

## **Breast Cancer—Local/Regional/Adjuvant**

Abstract e12500: Adverse effects of adjuvant tamoxifen treatment on bone mineral density in premenopausal breast cancer patients: A systematic review and meta-analysis.

First Author: Chihwan Cha, MD

Abstract e12501: Impact of a randomized weight loss trial on breast tissue markers in breast cancer survivors.

First Author: Christina Marie Dieli-Conwright, PhD, MPH

Abstract e12502: Impact of the COVID-19 pandemic on health care activities at a Uruguayan mastology teaching unit: Preliminary results.

First Author: Cecilia Castillo

Abstract e12504: Integrative oncology therapy for adverse treatment effects in young women with breast cancer.

First Author: Yancey Warren, MD, MAT

Abstract e12505: The effect of non-oncology drugs on clinical and genomic risk in early luminal breast cancer.

First Author: Barliz Waissengrin, MD

Abstract e12506: Abemaciclib, a CDK4 and 6 inhibitor with unique pharmacological properties for breast cancer therapy.

First Author: Raquel Torres-Guzmán

Abstract e12507: A simulation model-based clinical decision tool to guide personalized treatment based on individual characteristics: Does 21-gene recurrence score assay testing change decisions?

First Author: Jinani Jayasekera, PhD

Abstract e12508: Five-day accelerated partial breast irradiation (APBI) using intensity modulated radiation therapy (IMRT) in stage 0-II breast cancer: A report of 214 cases with up to 39 month follow-up.

First Author: Rufus J. Mark, MD

Abstract e12510: Advanced breast cancer at presentation (ABC-p) in octogenarian women (OW): Specific elderly-devoted risk tests (SEDRT) (CARG+CRASH) as new tools to prevent serious/irreversible adverse reactions (AR) in frail patients.

First Author: Ignazio Ugo Carreca, MD, MDCM, PhD

Abstract e12511: Application of RSCLin to guide treatment recommendations for premenopausal patients with early-stage hormone-positive breast cancer and intermediate risk

oncotype recurrence scores.

First Author: Brittney Shulman Zimmerman, MD

Abstract e12512: OncotypeDx scores according to race/ethnicity and age in a diverse cohort of breast cancer patients.

First Author: Eileen Chen, BS

Abstract e12513: Weight changes according to treatment in a diverse cohort of breast cancer patients.

First Author: Jami Aya Fukui, MD

Abstract e12514: Breast cancer as seen at the Nairobi Hospital.

First Author: Nicholas Anthony Othieno-Abinya, MBChB, M'Med, FRCP

Abstract e12515: Retrospective analysis of HER2-low in young breast cancer patients.

First Author: Abeid Mohamed Athman Omar, MD

Abstract e12516: Thromboembolism (TE) and adjuvant endocrine therapy (AET) in hormone receptor positive (HR+) early breast cancer (EBC): Did the evolution of treatment change the incidence of the adverse event? A metanalysis.

First Author: Luca Moscetti, MD

Abstract e12517: Study on the extract of Huangqi and Ezhu for the crosstalk of exosomes mediating tamoxifen resistance on LCC9 cells.

First Author: Shasha Cui

Abstract e12518: Impact of oncotype Dx score on treatment and long-term outcomes.

First Author: Surbhi Warrior, MD MPH

Abstract e12519: Association between estrogen receptor status and Oncotype Dx breast recurrence score.

First Author: Noman Ahmed Jang Khan

Abstract e12520: Comparing practice patterns and outcomes for early-stage hormone receptor-positive and node-positive breast cancer patients with high-intermediate-risk Oncotype Dx scores in the National Cancer Database.

First Author: Keerthi Tamragouri, MD

Abstract e12521: Concordance between 21-gene score (Oncotype DX) and clinical-pathologic prognostic models in early-breast cancer in Medellín, Colombia.

First Author: Mauricio Lujan

Abstract e12522: Trends in use of ovarian suppression (OS) for premenopausal patients with early-stage hormone positive breast cancer and Intermediate Risk (IR) Oncotype Recurrence

Scores (RS) from 2006-2020: A retrospective database analysis.

First Author: Sara Malin Hovstadius, BS

Abstract e12523: Projected long-term impact of adjuvant trastuzumab emtansine (T-DM1) on metastatic breast cancer occurrence in Turkey.

First Author: David J. Press, MPhil, PhD

Abstract e12524: Impact of RxPONDER on breast cancer treatment in an academic-community hospital.

First Author: Be Saito

Abstract e12525: Latent atherosclerosis as a risk factor in chemotherapy-induced cardiomyopathy.

First Author: Yuliya Paulenka

Abstract e12526: Integrated immune-related gene signature to predict clinical outcome for patients with luminal B breast cancer.

First Author: Xiaying Kuang, MD, PhD

Abstract e12528: Phase II double blinded randomized placebo-controlled trial of minocycline to ameliorate chemotherapy-induced cognitive changes in breast cancer (BC) patients.

First Author: Jessica M. Sharpe, MD, PhD

Abstract e12529: An analysis of lines of treatment and survival analysis in older Indigenous and Nonindigenous women of Western Australia with breast cancer.

First Author: Azim Khan, MBBS, AMC

Abstract e12531: Use of strain rate imaging for early detection of epirubicin-induced cardiotoxicity in patients with breast cancer.

First Author: Vasiliki Michalaki, MD, PhD

Abstract e12532: Tolerance of aromatase inhibitors in post-menopausal patients with early-stage hormone receptor positive (HR+) breast cancer: A real-world retrospective analysis in a large onco-type database.

First Author: Shana Berwick, MD

Abstract e12533: Clinical significance of crown-like structures to trastuzumab response in patients with primary invasive HER2+ breast cancer.

First Author: Constantinos Savva, MD, MRCP, MSc, PhD (c)

Abstract e12534: Metaplastic breast cancer: Disease characteristics and outcome in Arab women.

First Author: Adher Alsayed

Abstract e12535: Automated immunostaining-free prediction of breast carcinoma ER and PR status, Ki67 count, patient therapy stratification index and quantification of prognostic quiescence burden in TNBC from pretreatment H&E stained histopathology images in breast cancer.

First Author: Tathagata Dasgupta, PhD

Abstract e12536: Recurrence rate according to Oncotype Dx recurrence score (RS) in women with estrogen receptor (ER) positive, Her2 negative and 1 to 3 positive nodes: Real-world data in a Mexican private institution.

First Author: Geovani Amador, MD

Abstract e12537: Scalp cooling to reduce alopecia as a barrier to chemotherapy.

First Author: Isabel M. Pupo Wiss

Abstract e12538: Breast cancer after IVF: Can ovary stimulation and follicular response affect prognostic factors?

First Author: Maxim Izquierdo Sr., PhD

Abstract e12539: Transcriptomic mapping on Notch signaling in A luminal phenotype breast cancer.

First Author: Katerin Ingrid Rojas, MD

Abstract e12540: Association of blood inflammatory/immune markers with outcomes in (neo)adjuvant breast cancer: A large single institutional study.

First Author: Hanis Mariyah Mohd Ishak

Abstract e12542: Prediction of long-term prognosis over ten years in ER-positive HER2-negative early-stage breast cancer using <sup>18</sup>F-FDG PET/CT before treatment.

First Author: Hiroko Tsukada, MD, PhD

Abstract e12544: COVID-19 outcomes in patients with a history of breast cancer: A diverse multicenter Los Angeles cohort study.

First Author: Nikhita Kathuria-Prakash, MD

Abstract e12545: The role of C-reactive protein (CRP) as a prognostic biomarker in patients with early breast cancer (EBC) treated with neoadjuvant chemotherapy (NACT).

First Author: Hans-Christian Kolberg, MD, PhD

Abstract e12546: Association of triple negative breast cancer (TNBC) with high thermogenesis with worse survival and unfavorable tumor microenvironment (TME).

First Author: Shipra Gandhi, MD

Abstract e12547: Impact of body mass index on the prognosis of Japanese women with operable hormone receptor-positive breast cancer: A single institutional retrospective study.  
First Author: Jun Masuda, MD

Abstract e12548: Gasdermin D as a potential prognosis and treatment response prediction biomarker for invasive breast cancer.  
First Author: Xianghou Xia

Abstract e12549: Gender disparity in breast cancer: A population-based study in the U.S. Department of Veterans Affairs.  
First Author: Zainub Ajmal, MBBS

Abstract e12550: The intra-tumor heterogeneity of ER and HER2 expression in patients with ER-positive and HER2-positive breast cancer.  
First Author: Jie Ju, MD

Abstract e12551: Ki-67 and mitotic index in triple-positive breast cancer.  
First Author: Maria Mikhailovna Urezkova, MD

Abstract e12552: Final report of Breast Cancer Care Registry at the Kenyatta National Hospital, Nairobi.  
First Author: Nicholas Anthony Othieno-Abinya, MD

Abstract e12553: The role of Ki67 in involved lymph nodes as a predictive biomarker for response to neoadjuvant chemotherapy in patients with early breast cancer.  
First Author: Cornelia Kolberg-Liedtke, MD, PhD

Abstract e12554: Impact of updated 2013 human epidermal growth factor receptor-2 testing guidelines on HER2 positive invasive breast cancer diagnosis: A three year retrospective study.  
First Author: Hemendra Mhadgut

Abstract e12555: Racial disparity in OncotypeDX score in early stage, hormone receptor positive, HER-2 negative, node negative breast cancers: A systemic review and meta-analysis.  
First Author: Yi Lee, MD

Abstract e12556: Impact of pre-treatment derived neutrophil-lymphocyte-ratio on outcomes in patients with triple-negative breast cancer.  
First Author: Rakesh Kumar Sharma, MBBS, MD

Abstract e12557: Predominance of *RAD21* and *ERBB2* amplification and progesterone receptor positivity in tumors of the right breast support breast cancer lateralization.  
First Author: Zachary Spigelman, MD

Abstract e12558: Correlation of Trop-2 expression with clinicopathological characteristics, sTILs, AR expression and outcome in primary TNBC.

First Author: Hava Izci

Abstract e12559: Genetic instabilities as potential biomarkers for pregnancy-associated breast cancer.

First Author: B.B.M. Berendine Suelmann, MD,

Abstract e12560: High-early recurrence rate in a cohort of young women with breast cancer in Mexico.

First Author: Cynthia Villarreal-Garza, MD, DSc

Abstract e12561: Can high Ki67 predict distant recurrence in early-stage breast cancer with low Oncotype Dx score?

First Author: Parvaneh Fallah

Abstract e12562: Oncotype Dx score associated to pathological features to better prognosticate the risk of recurrence for breast cancer patients.

First Author: Fernando Namuche, MD

Abstract e12564: Study on relationship between chemokines and immune activation phenotype of breast cancer.

First Author: Yanru Wang, PhD, MD

Abstract e12565: Heterogeneity between core needle biopsy and synchronous axillary lymph node metastases in early breast cancer patients: Comparison of HER2, estrogen and progesterone receptor expression profiles during primary treatment regime.

First Author: Laura Weydandt

Abstract e12566: Assessment of the treatment results in patients with breast cancer coexisting with pregnancy: A single-center observational study.

First Author: Anna Skrzypczyk-Ostaszewicz

Abstract e12567: Potential determinants of radiation-induced lymphocyte decrease and lymphopenia in breast cancer patients by machine learning approaches.

First Author: Hao Yu

Abstract e12568: Genomic risk classification by the 70-gene signature and 21-gene assay in African American early-stage breast cancer patients.

First Author: Patricia A. Robinson, MD

Abstract e12569: Trastuzumab-dkst versus trastuzumab: Real-world pCR rates in patients with HER2+ breast cancer treated with neoadjuvant chemotherapy plus trastuzumab from Alberta,

Canada.

First Author: Charlie Yang

Abstract e12570: Prognostic subset of metastatic and non-metastatic luminal B breast cancer (LBBC) subtype based on Ki67 index.

First Author: Lalnun Puii

Abstract e12571: Predominance of the luminal B molecular subtype in a group of women with infiltrating breast ductal carcinoma in the Colombian coffee region: Analysis by immunohistochemistry.

First Author: Paula Toro

Abstract e12573: Can Intratumoral neutrophil lymphocyte ratio (NLR) be a prognostic biomarker in breast cancer patients?

First Author: Yoshihisa Tokumaru, MD

Abstract e12574: Creation of a primary breast cancer culture repository from patients with a BMI >30 kg/m<sup>2</sup>: A Mexican endeavor.

First Author: Daniela Shveid Gerson

Abstract e12575: A novel, computer-aided, scanning platform agnostic solution for grading carcinomas in breast biopsy whole slide images.

First Author: Nicolas M Orsi, MD. PhD

Abstract e12576: Low expression of microRNA-195 is a poor prognostic marker for ER-positive breast cancer patients.

First Author: Yoshihisa Tokumaru, MD

Abstract e12577: Composite scoring combining OncotypeDX risk with circulating tumor cell status improves prognostication.

First Author: Nadeem Bilani, MD

Abstract e12578: MELK is a downstream target of Del-1 and promotes breast cancer progression.

First Author: Soo Jung Lee, MD, PhD

Abstract e12579: Family history of breast and/or ovarian cancer (FHBOC) as an independent prognostic factor in triple negative breast cancer overall survival.

First Author: Patricia Rioja, M.D

Abstract e12580: Spatiotemporal loco-regional recurrence patterns after breast-conserving surgery.

First Author: Feilin Qu

Abstract e12581: Simplified lymphatic microsurgical preventing healing approach (SLYMPHA) for the prevention of breast cancer-related lymphedema after axillary lymph node dissection.  
First Author: Tolga Ozmen, MD

Abstract e12583: Developing and validating deep learning-based heterogeneous model to improve diagnostic performance of ultrasound elastography for axillary lymph node metastasis of early breast cancer.  
First Author: Jian Li, Dr. med

Abstract e12584: Laser ablation of multifocal breast carcinoma : Assessing viability for patients not accepting surgery.  
First Author: Rusy Bhalla

Abstract e12585: Anlotinib plus chemotherapy as neoadjuvant treatment of high-risk, early-stage triple-negative breast cancer: A prospective, single-arm, single-center, phase II clinical study.  
First Author: Xi Chen

Abstract e12586: Predictive value of topoisomerase II alpha protein for clinicopathological characteristics and prognosis in early breast cancer.  
First Author: Wu Yun

Abstract e12587: Aesthetic outcome and patient's quality of life in breast cancer patients undergoing mastectomy with or without immediate reconstruction.  
First Author: Sidra Afzal, MBBS FCPS

Abstract e12589: Breast cancer surgical delays in a racially and ethnically diverse California cancer registry cohort.  
First Author: Stephanie Navarro

Abstract e12590: H&E-like histology of unstained fresh and formalin fixed breast tissue with Photo Acoustic Remote Sensing (PARS) microscopy.  
First Author: John Robert Mackey, MD

Abstract e12591: Comorbidities at time of diagnosis as a predictor of more or less aggressive treatment modalities in early-invasive breast cancer.  
First Author: Sreejata Raychaudhuri, MD

Abstract e12592: Type of recurrence, cause of death and second neoplasms among 737 patients with ductal carcinoma in situ of the breast: 15-year follow-up.  
First Author: Anna Niwinska, Prof

Abstract e12593: Prior DCIS and overall mortality in women with stage I breast cancer.  
First Author: Rebecca A. Nelson

Abstract e12594: A deep learning survival model for triple-negative breast cancer patients.  
First Author: Yiyue Xu

Abstract e12595: Association of cytoplasmic HMGB1 (cHMGB1) expression with local tumor recurrence in triple-negative breast cancer.

First Author: landra Freire Oliveira

Abstract e12596: Association of pathological complete response rates and TILs in triple-negative breast cancer patients.

First Author: Mahmoud Kassem, MBBCh, MSc

Abstract e12597: Long-term outcomes and predictors of recurrence in patients with early-stage node negative breast cancer.

First Author: Izzet Dogan, MD

Abstract e12598: ASTRO suitability criteria assessment in early-stage breast cancer patients treated with intraoperative radiation therapy (IORT) plus 21 gene recurrence score (RS) assay result guided adjuvant medical therapy.

First Author: Barbara Stewart Schwartzberg, MD, MS

Abstract e12599: Geographical disparities of incidence and prevalence of triple-negative breast cancers: Multistate study data analysis.

First Author: Hyein Jeon, MD

Abstract e12600: A prognostic miRNA based signature in early-stage HER2-positive breast cancer patients.

First Author: Anna Adam-Artigues

Abstract e12601: Targeted axillary lymph node dissection in breast cancer patients using I-125 microseeds for prostate cancer brachytherapy.

First Author: Alexander Emelyanov

Abstract e12602: Targeted breast surgery: Non-direct approach.

First Author: Peter Kern, MD PhD

Abstract e12603: Sociodemographic and clinicopathologic features of elderly breast cancer patients in Brazil: A sub-analysis of AMAZONA III study (GBCAM 0115).

First Author: Carla Pavei

Abstract e12604: The effects of vitamin D (Vit D) replacement on pathological complete response (PCR) in breast cancer (BC) patients receiving neoadjuvant systemic chemotherapy (NAC).

First Author: Vahit Ozmen, MD, FACS

Abstract e12605: Combination of individual tumor gene expression profiles and quantitative ultrasound and mammography imaging to understand the response to neoadjuvant chemotherapy among Hispanic-Latina women with early stages of triple-negative breast cancer.  
First Author: Alexander Philipovskiy, MD, PhD

Abstract e12606: Similar decrease of proliferation employing Ki-67 after brief neoadjuvant hormonal treatment on invasive ductal carcinoma versus invasive lobular carcinoma.  
First Author: Martin Majer, MD

Abstract e12607: A nomogram to predict the value of mammary adipose index (MAI) for prediction of response to neoadjuvant chemotherapy in breast cancer patients.  
First Author: Wenxiu Xu

Abstract e12608: Outcome of neoadjuvant treatment in triple-negative breast cancer in a rural underserved community.  
First Author: Martin Majer, MD

Abstract e12609: Determination of endocrine sensitivity by response of the proliferative marker KI67 after short-term preoperative endocrine therapy and their correlation to oncotype score platform.  
First Author: Serafin Morales Murillo, MD

Abstract e12610: Tumor mutation burden and PIK3CA mutations are associated with pathological complete response in human epidermal growth factor receptor 2-positive breast cancer patients receiving pyrotinib combined with trastuzumab neoadjuvant treatment.  
First Author: Qiyun Shi, BM

Abstract e12611: Association between mammographic breast density and achievement of a pathologic complete remission (pCR) after neoadjuvant chemotherapy (NACT) for early breast cancer (EBC).  
First Author: Cornelia Kolberg-Liedtke, MD, PhD

Abstract e12613: Does fertility preservation affect the start of the oncological treatment and the response to neoadjuvant chemotherapy in breast cancer.  
First Author: Sonia Baulies, MD

Abstract e12614: Change in HER2 status after neoadjuvant chemotherapy (NAC) with trastuzumab and pertuzumab (HP) in patients with HER2-positive early-stage breast cancer.  
First Author: Emanuela Ferraro, MD

Abstract e12615: Chemotherapy-elicited exosomal miR-378a-3p and miR-378d to promote breast cancer stemness and chemoresistance via the activation of EZH2/STAT3 signaling.  
First Author: Jin Zhang, MD, PhD

Abstract e12616: Clinical and pathological response to neoadjuvant chemotherapy (NCT) in patients with triple-negative breast cancer (TNBC).

First Author: Petr Krivorotko, MD, PhD

Abstract e12617: Which therapeutic strategy is less cardiotoxic in the treatment of breast cancer: Using paclitaxel before or after doxorubicin?

First Author: Marcelo Dantas Tavares de Melo

Abstract e12618: Does pathological complete remission after neoadjuvant chemotherapy translate to longer relapse-free survival in patients with triple-negative breast cancer in the Indian population?

First Author: Rakesh Kumar Sharma, MBBS, MD

Abstract e12619: Efficacy and safety of neoadjuvant docetaxel, carboplatin, trastuzumab, and pertuzumab (TCH-P) in HER2-positive breast cancer: An Indian experience.

First Author: Ajay Gogia, MD, MBBS

Abstract e12620: Paclitaxel versus docetaxel-based neoadjuvant chemotherapy and risk of lymphedema in breast cancer patients.

First Author: Yirong Zhu, DO, PhD

Abstract e12621: Association of tumor infiltrating lymphocytes with pathological response after neoadjuvant therapy in breast cancer: A retrospective study.

First Author: Punita Grover, MBBS

Abstract e12622: Tumor infiltrating lymphocytes and programmed death ligand-1 can identify different prognostic profiles in breast cancer.

First Author: Omar Peña-Curiel, MD

Abstract e12623: Impact of pre-treatment lymphocyte monocyte ratio and neutrophil lymphocyte ratio on pathologic response in breast cancer patients receiving neoadjuvant chemotherapy.

First Author: Osama Mosalem, MD

Abstract e12624: Association between body mass index and pathologic complete response in different breast cancer molecular subtypes.

First Author: Bryan Vaca-Cartagena, MD

Abstract e12625: The predictive value of neutrophil-to-lymphocyte ratio on overall survival and pathological complete response in breast cancer patients receiving neoadjuvant chemotherapy.

First Author: Wenjie Tang

Abstract e12626: Intra- and inter-observer variability in tumor infiltrating lymphocyte scoring in breast cancer core needle biopsy.

First Author: Klara Geršak, Medical Oncology Resident

Abstract e12628: Micro-organospheres: An automated patient-derived model platform for rapid drug screening of breast cancer.

First Author: Zhaohui Wang

Abstract e12629: Neoadjuvant weekly carboplatin and paclitaxel followed by dose dense adriamycin/cyclophosphamide in locally advanced triple negative breast cancer: A single-center experience in a safety net hospital.

First Author: Nan Chen, MD, MS

Abstract e12630: Predictive factors associated with a pathologic complete response in a Mexican HER2+ breast cancer population.

First Author: Raul Alejandro Andrade Moreno, MD

### **Breast Cancer—Metastatic**

Abstract e13000: Analysis of disseminated tumor cells (DTCs) in primary breast cancer patients with various molecular subtypes.

First Author: Ivonne Nel

Abstract e13001: Evaluation of pathologic and genomic characteristics in female breast cancer patients.

First Author: Damien Mikael Hansra, MD

Abstract e13002: BRMS1L inhibits bone metastasis of breast cancer cells through epigenetic silence of CXCR4.

First Author: Yinghuan Cen

Abstract e13003: Survival outcomes of breast cancer patients with brain metastases: Single center experience from Northern India.

First Author: Hari Krishna Raju Sagiraju, MD, PhD, MPH

Abstract e13005: Baseline neutrophil-to-lymphocyte ratio and absolute lymphocyte count in patients with HER2-negative breast cancer treated with eribulin may predict overall survival.

First Author: Shigeto Maeda, MD, PhD

Abstract e13006: Analysis of circulating tumor DNA identifies homologous recombination repair molecular features of Chinese breast cancer.

First Author: Mingwei Li

Abstract e13008: Liquid biopsy for baseline evaluation of tumor burden in patients with hormone receptor-positive, HER2-negative metastatic breast cancer: A proof of principle study.  
First Author: Roberta Mazzeo

Abstract e13009: Cardiac function in patients receiving dual anti-Her2 antibodies (trastuzumab and pertuzumab) combined with chemotherapy for breast cancer in routine practice.  
First Author: Jamal Zekri, MD, FRCP(UK)

Abstract e13010: TDM-1 efficacy in trastuzumab-pertuzumab pre-treated HER2 positive metastatic breast cancer patients: A meta-analysis.  
First Author: Claudia Omarini

Abstract e13012: Pyrotinib in the treatment of women with advanced HER2 positive breast cancer: A multicenter, prospective, real-world study.  
First Author: Jifeng Feng

Abstract e13013: Modeling shows the NK3R antagonist, ACER-801, reduces treatment-induced vasomotor symptoms.  
First Author: Rebecca Baillie, PhD

Abstract e13015: Trastuzumab biosimilar (Kanjinti) in breast cancer patients: One-center retrospective observational study.  
First Author: Agnieszka I. Jagiello-Grusfeld, MD, PhD

Abstract e13016: Adherence to abemaciclib in patients receiving antidiarrheal medicine.  
First Author: Dipti Shah, PharmD

Abstract e13017: Everolimus and exemestane in hormone receptor-positive advanced breast cancer: A comprehensive cancer center's experience.  
First Author: Inês Moreira, MD

Abstract e13018: Australian real-world outcomes of ribociclib and aromatase inhibitor in hormone receptor (HR) positive, HER2 negative metastatic breast cancer (MBC): Results from KISQALI Access Registry for Metastatic breast cancer in Australia (KARMA) collected alongside a medicine access program.  
First Author: Vanessa Wong, FRACP, MBBS

Abstract e13019: Single center observational study of the efficacy of chemotherapy in breast cancer patients treated before and after the widespread use age of CD4/6 inhibitors: Is there evidence that chemotherapy response is impacted by prior use of CD4/6 inhibitors?  
First Author: Martin S. Hogg, MD

Abstract e13020: First-line treatment with a cyclin-dependent kinase 4/6 inhibitor combined with an aromatase inhibitor for hormone receptor-positive, human epidermal growth factor

receptor-2 negative metastatic breast cancer: Population-based outcomes for patients treated in Alberta, Canada.

First Author: Carla Pires Amaro, MD

Abstract e13021: Real-world starting dose and outcomes of palbociclib plus an aromatase inhibitor for metastatic breast cancer.

First Author: Debra A. Patt, FASCO, MBA, MD, PhD

Abstract e13022: Relative bioavailability of H3B-6545 tablets versus capsules and drug-drug interaction between H3B-6545 and pantoprazole.

First Author: Jianjun Alan Xiao, PhD

Abstract e13023: Everolimus combined with endocrine therapy in advanced HR-positive, HER2-negative Chinese breast cancer patients: A retrospective study.

First Author: Xia-Bo Shen

Abstract e13024: Initial real life experience with ribociclib in breast cancer: Outcome with focus on tolerance and cardiac toxicity.

First Author: Azhar Nawaz, PharmD

Abstract e13025: Phase 1b study of H3B-6545 in combination with palbociclib in women with metastatic estrogen receptor-positive (ER+), human epidermal growth factor receptor 2 (HER2)-negative breast cancer.

First Author: Stephen R. D. Johnston, MD, PhD

Abstract e13026: The effect of everolimus on body composition (BC) in patients with metastatic breast cancer (MBC).

First Author: Nadia Baka, MD

Abstract e13027: Development of orally bioavailable prodrugs of fulvestrant for the treatment of metastatic/advanced breast cancer.

First Author: Parva Purohit, PhD

Abstract e13028: Real-world Indian scenario of CDK4/6 inhibitors (palbociclib and ribociclib) with endocrine therapy in upfront hormone positive metastatic breast cancer.

First Author: Ajay Gogia, MD, MBBS

Abstract e13029: Neuroendocrine differentiation in metastatic breast cancer following CDK 4/6 inhibitors.

First Author: Sakina Sekkate

Abstract e13030: Real-world analysis of disease progression after CDK 4/6 inhibitor (CDKi) therapy in patients with hormone receptor positive (HR+)/HER2- metastatic breast cancer

(MBC).

First Author: Malinda West, MD

Abstract e13031: Real-world outcomes from the systemic use of CDK 4/6 inhibitors (CDKIs) in the management of ER positive (+) HER2 negative (-) metastatic breast cancer (mBC).

First Author: Karen DeSouza, MBBS, MSc, MRCP

Abstract e13032: Ki67 and PR to predict sensitivity of palbociclib: A real-world study.

First Author: Xi-Ying Shao

Abstract e13033: Effect of cyclin-dependent kinase 4 and 6 inhibitors (CDKIs) on body composition (BC) in patients (pts) with hormone receptor-positive, HER2-negative (HR+/HER2-) metastatic breast cancer (MBC).

First Author: Lisa Phuong, DO

Abstract e13034: Improved survival supports primary endocrine therapy in patients with hormone receptor positive/ HER-2 negative metastatic breast cancer.

First Author: Robert Shenk, MD

Abstract e13035: The effectiveness and safety of eribulin therapy in HR-positive HER2-negative metastatic breast cancer post-CDK4/6 inhibitor therapy in Russian clinical practice.

First Author: Irina Vladimirovna Kolyadina, PhD

Abstract e13036: Impact of race on the utilization and efficacy of CDK4/6i: Result from a real world database.

First Author: Shaheenah S. Dawood, PhD, FACP, FRCP

Abstract e13037: Relative risk of hepatotoxicity associated with cyclin-dependent kinase inhibitors (CDK4/6i): A systematic review and meta-analysis of phase 3 randomized controlled trials.

First Author: Nusrat Jahan

Abstract e13038: Real-world practice patterns in treatment of metastatic breast cancer in Washington State.

First Author: Poorni Manohar, MD

Abstract e13040: Plasma kallikrein-kinin system as markers of locally advanced breast cancer prognosis.

First Author: Natalia Yu. Samaneva

Abstract e13041: PI3K $\gamma$  inhibitor combined radiation enhances the antitumor immune effect of PD-1 blockade in syngenic triple negative breast cancer models.

First Author: In Ah Kim, MD, PhD

Abstract e13043: First-in-human phase 1/1b expansion of PMD-026, an oral RSK inhibitor, in patients with metastatic triple-negative breast cancer.

First Author: Muralidhar Beeram, MD, MBBS

Abstract e13045: CTNND1 to mediate bone metastasis of triple-negative breast cancer via regulating CXCR4.

First Author: Chang Gong

Abstract e13046: Treatment and prognosis of advanced triple-negative breast cancer patients with HER2-low expression: A 15-year retrospective study.

First Author: Jiangping Yang

Abstract e13047: Extracellular circular RNAs to promote the growth and metastasis of triple-negative breast cancer through remodeling the tumor immune microenvironment.

First Author: Sujin Yang, Dr.

Abstract e13049: Association of pathological clinical characteristics, PD L 1 receptor expression (sp 142), with tumor lymphocytic infiltration cells (TILs) in patients (pts) with triple negative breast cancer (TNBC) in Tucumán, Argentina.

First Author: Juan Jose Zarba, MD

Abstract e13051: Efficacy of platinum-based chemotherapy in advanced triple-negative breast cancer in association with homologous recombination deficiency.

First Author: Yimeng Chen

Abstract e13052: Preliminary data on antitumor activity of extracorporeal subtraction of soluble TNFRs to unleash the activity of endogenous TNF $\alpha$  combined with chemotherapy in treatment-refractory, advanced, triple-negative breast cancer patients.

First Author: Piotr Jan Wysocki, MD, PhD

Abstract e13053: Pre-clinical development of an anti-cancer drug ENZ302, a promising candidate for multiple cancer therapeutics.

First Author: Arindam Chakraborty, PhD

Abstract e13054: Surgery provides survival benefit over systemic therapy alone for stage IV triple negative breast cancer: A propensity matched analysis of the National Cancer Database.

First Author: Lifan Cao, MD PhD

Abstract e13055: Characterization of treatments and disease course for women with breast cancer brain metastases: Five-year retrospective single institution experience.

First Author: Sonya Chew

Abstract e13056: Survival outcomes in patients with IDC and ILC breast cancer: A well matched single institution study.

First Author: Michael Grimm, BA

Abstract e13057: Real-world effectiveness of eribulin in heavily pretreated patients with metastatic breast cancer in China: A multicenter retrospective study.

First Author: Yannan Zhao

Abstract e13058: Real-world clinical effectiveness of eribulin in metastatic breast cancer patients with visceral metastases in the United States.

First Author: Sarah Schellhorn Mougalian, MD

Abstract e13060: The common gamma-chain cytokines IL-2, IL-7 and IL-15 impact on proliferation of lymphocytes in vitro in breast cancer patients.

First Author: Sofia V. Timofeeva

Abstract e13061: SGK1 regulated apoptosis in invasive breast carcinoma.

First Author: Yuxin Song

Abstract e13062: Binimetinib activity in *PIK3R1*-mutant patient-derived xenografts (PDX) implanted into immunodeficient mice.

First Author: Melody A. Cobleigh, MD

Abstract e13063: Treatment patterns of older adults with metastatic breast cancer in community practices.

First Author: Melissa McShane, MD

Abstract e13065: Relationship between tumor size and metastatic site in patients with stage IV breast cancer: A large SEER-based study.

First Author: Qian Dong, MD, PhD

Abstract e13066: Genomic landscape of cell-free DNA in a diverse cohort of metastatic breast cancer patients.

First Author: Shirley Cheng

Abstract e13067: Change in management based on actionable mutations in metastatic breast cancer in an ethnically diverse cohort: Single institution experience.

First Author: Sarah Premji, MD

Abstract e13068: The prognostic value of cytoskeletal regulation and vesicle trafficking signaling pathway mutation in breast cancer.

First Author: Haiyan Liu, BD

Abstract e13069: Efficacy of everolimus-containing chemotherapy in HER2 negative metastatic breast cancer patients with PI3K/AKT/mTOR mutations: A retrospective study.

First Author: Rong Wang, PhD/MD

Abstract e13070: Oral etoposide in heavily pre-treated metastatic breast cancer: A retrospective study.

First Author: Agnieszka I. Jagiello-Grusfeld, MD, PhD

Abstract e13071: Novel treatment options in advanced adenoid cystic carcinoma of the breast.

First Author: Evan Wenig

### **Care Delivery and Regulatory Policy**

Abstract e13500: Team huddle, education and infection screening as effective tools in continuing cancer care delivery during the peak of COVID-19 pandemic in 2020 in the Bronx, NY: Experience from a public teaching hospital.

First Author: Surabhi Pathak, MBBS, MS

Abstract e13502: Development of the oncology opportunity cost assessment tool.

First Author: Nathan Handley, MD, MBA

Abstract e13503: Telemedicine use and satisfaction amongst radiation oncologists during the COVID-19 pandemic: Evaluation of current trends and future opportunities.

First Author: Alok Deshane

Abstract e13504: Patients' perceptions of care coordination among NCORP therapeutic clinical trial participants: A matched case-control study.

First Author: Izumi Okado, PhD

Abstract e13505: A medication acquisition program to facilitate access to nonstandard targeted oncologic therapies.

First Author: Vicki Doctor, RN, BSN, BSW, OCN

Abstract e13506: Incidence of asymptomatic COVID-19 positivity in cancer patients and effects on therapy.

First Author: Nicole Ross

Abstract e13507: Pathology molecular reflex testing improves turn-around-time and overall molecular testing rates in NSCLC.

First Author: David R. Braxton, MD

Abstract e13508: Optimizing chair time in infusion centers using intravenous cetirizine premedication for the prevention of hypersensitivity infusion reactions.

First Author: Julio Antonio Peguero, MD

Abstract e13509: Encouraging teamwork and innovative practices by creating proximity: A qualitative study of continuous improvements in the Quebec Cancer Network.

First Author: Dominique Tremblay, PhD, RN

Abstract e13510: Evaluation of patient navigation and delivery of head and neck cancer therapy during COVID-19 pandemic: A single institution experience.

First Author: Sherri Rauenzahn Cervantez, MD, BS

Abstract e13512: Impact of primary care providers (PCPs) on care receipt and satisfaction in adolescent and young adult (AYA) oncology patients.

First Author: Eric Hess

Abstract e13513: Multi-site practice and physician travel burden by oncology specialty.

First Author: Zachary AK Frosch, MD

Abstract e13514: The impact of COVID-19 on oncologists: Experience from Egyptian physicians.

First Author: Abeid Mohamed Athman Omar, MD

Abstract e13515: The use of quasi-experimental design methods to evaluate and improve the impact of acute care centers on oncologic emergencies.

First Author: John W. Sweetenham, FACP, FASCO, FRCP, MD

Abstract e13516: Oncology consults in admitted cancer patients: The ways to reduce length of stay.

First Author: Bohdan Baralo, MD

Abstract e13517: A solution to reducing avoidable emergency department visits:

Implementation of an outpatient oncology acute care clinic.

First Author: Sadaf Charania, MPAS, PA-C

Abstract e13518: Use of an online questionnaire as a follow-up tool for a cohort of health personnel and patients attending a chemoradiotherapy unit in Mexico.

First Author: Jorge Humberto Hernandez-Felix, MD

Abstract e13519: Implementation of a clinic to facilitate the transition from pediatric to adult cancer survivorship care.

First Author: Stephanie M Smith, MD, MPH

Abstract e13520: The impact of COVID-19 pandemic on oncology workload: The experience of an Italian Reference Cancer Center.

First Author: Carla Corvaja, MD

Abstract e13522: Association between primary care and acute care services utilization in the year following diagnosis of breast cancer.

First Author: Vincent Tran

Abstract e13523: Can acute care utilization be reduced by a risk score-based intervention alone?

First Author: Valerie Pracilio Csik, MPH

Abstract e13524: Efficacy of a clinical risk prediction tool to prioritize outreach for high-risk cancer patients.

First Author: Megan Croyle, MHA

Abstract e13525: New drug approvals and their effect on performance for participants in the Oncology Care Model.

First Author: Larry Edward Bilbrey

Abstract e13527: Impact of COVID19 pandemic on the hospitalization burden of cancer patients: Results of a quasi-experimental study.

First Author: Juan Cristobal Sanchez

Abstract e13529: Predicting symptom complexity: Using autoregressive integrated moving average (ARIMA) models to create responsive clinic scheduling.

First Author: Linda Watson

Abstract e13530: Feasibility of using data collected through the St. Jude Pediatric Oncology Facility integrated local evaluation (ProFILE) tool to determine previously defined levels of pediatric hematology-oncology care.

First Author: Aniek Udoko, MD, MSc

Abstract e13531: Trends in modifiable behaviorally related cancers: Who is affected the most?

First Author: John Chan, MD

Abstract e13532: Clinicians' perspectives on strategies to improve cross-institutional collaboration and coordination of pancreatic cancer care for rural patients.

First Author: Matthew DePuccio, PhD, MS

Abstract e13533: Results of a German survey among patients with gynecological malignancies during the COVID-19 pandemic.

First Author: Desislava Dimitrova

Abstract e13534: Patient quality criteria for a multidisciplinary integrated care pathway for von Hippel-Lindau syndrome.

First Author: Rachel H. Giles, MD, PhD

Abstract e13535: Geolocation of uterine cervical neoplasms (UCN) in the context of a prevention program in Tucumán, Argentina.

First Author: Silvia Victoria Holgado, MD PHD

Abstract e13536: Joven y Fuerte (J&F): Multidisciplinary distance care program in Mexico for young women with breast cancer (YWBC) during the COVID-19 pandemic.

First Author: Lucero Labra, MD

Abstract e13537: Distress screening for patients with a history of cancer during the COVID-19 pandemic.

First Author: Brooke Worster, MD

Abstract e13538: Utility and acceptability of the EXCEEDS algorithm for oncology stakeholders: Results of a Delphi study.

First Author: Kelley Renee Covington, MS

Abstract e13539: Early versus late patient discussions in multidisciplinary tumor boards: Quality time for quality care.

First Author: Sharif Ahmed, MD

Abstract e13540: Cancer care system strengthening (Pendharkar model) offers uninterrupted care continuum during COVID19 pandemic.

First Author: Dinesh Pendharkar, MD, PhD

Abstract e13541: Implementation and impact of a novel multidisciplinary immune-related adverse events tumor board for patients receiving immune checkpoint inhibitor therapy.

First Author: Abhilasha Pankaj Boruah, BA

Abstract e13542: The evaluation of a digital solution to improve the implementation of NCCN guidelines.

First Author: Matthew Stewart Prime, BSc, MBBS, MRCS, PhD

Abstract e13543: Right-censoring bias in trials shared at the Project Data Sphere platform.

First Author: Enrique Barrajon, MD, PhD

Abstract e13545: Evaluation of in silico tools for variant classification in clinically actionable NSCLC variants.

First Author: Eugene Kim

Abstract e13547: Extracting knowledge of NCI research directions from funding data using language processing.

First Author: Peter Beidler, BS, MAB

Abstract e13548: Quantifying the clinical severity of immune-related cutaneous adverse events in clinical trial patients: A prospective study using 3D-total body photography.

First Author: Yuna Oh

Abstract e13549: Global trends of COVID-19 research in cancer: A scientometric study.

First Author: Noha Sharafeldin, MBBCh, MSc, PhD

Abstract e13551: Determining the cancer diagnostic interval using administrative data in a cohort of patients with pancreatic ductal adenocarcinoma (PDAC).

First Author: Bailey Paterson

Abstract e13552: An assessment of the NAVIFY clinical trial match application using clinical simulation-based research methods.

First Author: Matthew Stewart Prime, BSc, MBBS, MRCS, PhD

Abstract e13553: Deep learning algorithm performance in mammography screening: A systematic review and meta-analysis.

First Author: Rosimeire Aparecida Roela, PhD

Abstract e13554: OEN: Multi-center, international, real-world evidence studies performed using health records without data pooling—The use of a common data model and shared analytical methods.

First Author: Bethany Levick, PhD

Abstract e13555: Predicting 180-day mortality for women with ovarian cancer using machine learning and patient-reported outcome data.

First Author: Chris Sidey-Gibbons, PhD

Abstract e13557: To determine correlation of inter reader variability in sum of diameters using RECIST 1.1 with end point assessment in lung cancer.

First Author: Manish Sharma, MD, DMRT, MBBS

Abstract e13558: Python-based preprocessing for applying machine learning in breast cancer metastasis prediction.

First Author: Yousri A. Rostom, MD, PhD

Abstract e13559: A systematic evaluation of models predicting short-term mortality for cancer patients to highlight uncertainty about model performance and high risk of bias.

First Author: Sheng-Chieh Lu, PhD

Abstract e13560: Using Fitbit data to predict clinical deterioration and unplanned treatment events in cancer outpatients.

First Author: Daniel France

Abstract e13561: Characteristics of the Multi Disciplinary Cancer Conference (Tumor Boards) in the COVID 19 era.

First Author: Lijo Simpson, MD

Abstract e13563: Improving consent forms for first-in-human trials through participant feedback.

First Author: Hannah Claire Sibold, BS

Abstract e13564: Comparing phase 3 “go” decisions (Ph3-GO) between single arm trials with real-world external control (SAT+rwEC) versus randomized phase 2 trials (rPh2).

First Author: Brian Hobbs, PhD

Abstract e13565: The Neat-HER virtual registry: Updated results on HER2+ breast cancer patients receiving neratinib as extended adjuvant therapy.

First Author: Gregory A. Vidal, MD, PhD

Abstract e13567: Oncology clinical research landscape in Middle East and North Africa (MENA) region: Challenges and proposed solutions.

First Author: Kareem Sameh, MD

Abstract e13569: Type of tissue biopsy and outcomes in diffuse large B-cell lymphoma (DLBCL).

First Author: Sanjal Desai, MD

Abstract e13570: Assessment of objective response rate (ORR) by investigator versus blinded independent central review in pivotal trials of drugs approved for solid tumor indications.

First Author: Marjorie E. Zettler, MPH, PhD

Abstract e13571: Cooperative group and pharmaceutical sponsored clinical trials: Perceptions of U.S. community oncologists.

First Author: Richard Scott Swain, PhD

Abstract e13572: Use of single-arm trials to support malignant hematology and oncology drug and biologic approvals: A 20-year FDA experience.

First Author: Sundeep Agrawal, MD

Abstract e13573: Conflicts of interest (COI) among the UpToDate oncology management authors.

First Author: Madhuri Chengappa, MBBS

Abstract e13576: Results from a global survey of clinical cancer researchers on clinical trial design and conduct during the COVID-19 pandemic and beyond.

First Author: Bruno Henrique Rala De Paula, MD

Abstract e13578: Expedited development and review pathways for novel oncology drugs.  
First Author: Lisa Ambrosini Vadola, PhD

Abstract e13579: Futility and toxicity monitoring without halting for interim analyses.  
First Author: Diana L Urbauer

Abstract e13580: Cancer COVID Watch: A feasibility study of intensive remote symptom monitoring via automated text messages with integrated nurse practitioner triage for patients with cancer and suspected or confirmed COVID-19.  
First Author: Cody Cotner

Abstract e13581: Advanced tumor progression detection by leveraging EHR based convolutional neural network boosting approaches.  
First Author: Guanhao Wei

Abstract e13582: Implementation of the Vinehealth application, a digital health tool, into the care of patients living with brain cancer.  
First Author: Andrew Gvozdanovic, MBBS, BSc

Abstract e13583: MLkit: A machine-learning-powered automatic workflow for classification of cancer samples.  
First Author: Qingyuan Li

Abstract e13584: The role of digital clinical measures in improving cancer care and research.  
First Author: Jennifer Goldsack, MBA

Abstract e13585: A precision dosing application for prostate cancer patients treated with docetaxel and G-CSF.  
First Author: Claire Villette

Abstract e13586: A prospective study of an AI-based breast cancer screening solution for resource-constrained settings.  
First Author: Richa Bansal, MBBS, MD (Radiology)

Abstract e13588: Leveraging machine learning technology to efficiently identify and match patients for precision oncology clinical trials.  
First Author: Laura Sachse

Abstract e13590: Electronic patient reported outcome in Brazil: Insurance provider impact on adherence.  
First Author: Thiago William Carnier Jorge, MD

Abstract e13591: Natural language processing (NLP) and machine learning (ML) model for predicting CMS OP-35 categories among patients receiving chemotherapy.

First Author: Anshul Saxena

Abstract e13592: Electronic patient reports outcomes and symptom monitoring for hematopoietic stem cell transplantation: A PILOT study.

First Author: Thiago William Carnier Jorge, MD

Abstract e13593: Assessing the impact of anti-PD-1/PD-L1 inhibitors on cancer care health and budget in Ireland.

First Author: Iseult Browne, MD

Abstract e13594: Impact of the COVID-19 pandemic on clinical activity during the lockdown in North France: A single center experience.

First Author: Ali Hammoudi

Abstract e13595: Flow redesign to improve prostate cancer access and care at the public healthcare system in Sao Jose dos Campos, Brazil.

First Author: Carlos Frederico Pinto, MD, MBA

Abstract e13597: Postmarketing requirements for drugs approved by the Food and Drug Administration for the treatment of solid tumor cancers, 2010-2019.

First Author: Yolaine Jeune-Smith, PhD

Abstract e13598: Building capacity and ensuring equity in clinical trials during the COVID-19 pandemic.

First Author: Helen Winter, DPhil

Abstract e13599: National survey on access to new oncology drugs pending health technology assessment and financial arrangements.

First Author: Sahar Barjesteh van Waalwijk van Doorn-Khosrovani

Abstract e13600: Cancer patients diagnosed with COVID-19 infection: A multicenter retrospective cohort of nine Brazilian cancer centers.

First Author: Tiago Costa de Padua, MD, MSc

Abstract e13601: Effect of digital technologies on mammographic screening in the Republic of Kazakhstan.

First Author: Murat Saktaganov

Abstract e13602: Breast cancer and molecular testing in Brazil.

First Author: Sabina B. Aleixo, MD

Abstract e13603: Oncologists' views on Expanded Access and Right-to-Try: The need for education and shared decision-making.

First Author: Zubin Master, PhD

Abstract e13604: Very low seroprevalence of sars-cov-2 among health care personnel (HCP) in a French northern comprehensive cancer center at the end of first national containment.

First Author: Philippe Doutrelant

Abstract e13605: Pediatric lymphadenopathy: Which patients need evaluation by an oncologist?

First Author: Kathryn A. Six, MD

Abstract e13606: Features of *Clostridioides difficile* infection (CDI) in patients with cancer: A seven-year study.

First Author: Inmaculada Gallego

Abstract e13607: Decrease of oncological patients' hospital visits during Covid-19 pandemic: The experience of a tertiary Romanian center.

First Author: Cristina Crisan

Abstract e13609: National survey on the effect of oncology drug shortages in clinical practice: A Hematology Oncology Pharmacy Association (HOPA) survey.

First Author: Sarah Hudson-Disalle, PharmD

Abstract e13610: Evaluation of the effectiveness of telephone consultations and the level of satisfaction of patients attending the Unidad Docente Asistencial de Mastología [Mastology Care Teaching Unit] using this method during the COVID health emergency.

First Author: Natalia Camejo, MD

Abstract e13611: Cancer Care during Covid-19: A multi-institutional qualitative study on physician and patient perspectives on telemedicine.

First Author: Bonnie O. Wong, MSc

Abstract e13612: The impact of converting to telehealth for cancer genetic counseling and testing during the COVID-19 pandemic.

First Author: Katherine Crawford

Abstract e13613: Key features to ensure sustainability of a tele-oncology program at a national cancer center.

First Author: Chevon Rariy, MD

Abstract e13615: Telehealth to increase access to transplant survivorship care for allogeneic stem cell transplant recipients regardless of distance to transplant center or neighborhood

income.

First Author: Nausheen Ahmed, MD

Abstract e13616: Teleoncology: Assessing online communication skills of millennial medical students.

First Author: Ernesto Gil Deza, MD

Abstract e13617: A nurse-led telephone triage for the prevention and control of COVID-19 spread in an oncology department.

First Author: Lorenzo Calvetti, MD

Abstract e13618: Virtual health in cancer care: Results from a semi-structured interview-survey of oncology health care providers.

First Author: Dan Le, MD, MHA

Abstract e13619: Evaluation of telehealth based nutrition counselling to improve dietary compliance and nutritional status of cancer patients.

First Author: Amit Kumar Jotwani, MD

Abstract e13620: Attributes and disease characteristics of patients seeking online second opinion for cancer.

First Author: Rakesh Shankar Goud, DNB

Abstract e13621: An analysis of the reasons and motives of patients seeking telehealth-based second opinion for cancer.

First Author: Rejil Rajan, DNB

Abstract e13622: Comparing implementation of Telemedicine compliance and feasibility among oncology patients across countries during the COVID 19 pandemic.

First Author: Sharon Pelles, MD

Abstract e13623: Feasibility and patient perception of a web-based exercise program during COVID pandemic in breast and ovarian cancer patients.

First Author: Marcos Iglesias Campos, MD

Abstract e13624: Telemedicine visits result in a significantly lower rate of cancellations compared to in-person visits for interventional oncology clinic patients.

First Author: Suken Shah, MD, MHCDS

## **Central Nervous System Tumors**

Abstract e14000: Ensuring the most effective strategy for cancer treatment of patients with brain tumors.

First Author: Elena A. Sheiko

Abstract e14001: Consistency of O6-methylguanine-DNA methyltransferase in intracranial and extracranial lesions and the therapeutic effect of temozolomide in patients with advanced lung cancer and brain metastasis.

First Author: Ying Fan

Abstract e14002: Effect of type and timing of systemic therapy on risk of radiation necrosis in patients with HER2+ breast cancer brain metastases.

First Author: Christine Park

Abstract e14003: Real-time drug testing using patient-derived organoids from resected breast cancer brain metastases.

First Author: Aki Morikawa, MD, PhD

Abstract e14004: The brain metastasis journey: Experience from patient, caregiver, and physician surveys on diagnosis and treatment of brain metastases.

First Author: Albert Eusik Kim, MD

Abstract e14005: Progression of tumors with development of cerebral metastases is accompanied by suppression of thyroid and glucocorticoid functions.

First Author: Valeria A. Bandovkina

Abstract e14006: A prospective data analysis of targeted therapy combined with concurrent radiation therapy for brain metastasis from NSCLC with driver gene mutation.

First Author: Xiaotong Duan

Abstract e14007: Association of serum brain-specific protein fragments and brain metastases in patients with metastatic breast cancer.

First Author: Sara Damaso, MD

Abstract e14008: Multicenter study for brain metastasis from breast cancer in Korea: The significance of molecular subtype (Korean Radiation Oncology Group 1612).

First Author: In Ah Kim, MD, PhD

Abstract e14009: Outcomes of ER, PR, HER2, and triple-negative mutated breast cancer with brain metastasis.

First Author: Patrick Joseph O'Shea

Abstract e14010: Nivolumab and stereotactic radiosurgery for patients with breast cancer brain metastases: A non-randomized, open-label phase Ib study.

First Author: Kamran A. Ahmed, MD

Abstract e14011: Successful salvage therapy with cetuximab-based modalities in the non-sensitive EGFR-mutant lung cancer patients with leptomeningeal metastasis who have heavily

pretreated histories.

First Author: Jinchun Wu

Abstract e14012: Treatment pattern and outcomes of leptomeningeal carcinomatosis in India: CRSF201901 study.

First Author: Gautam Goyal, MD, DM

Abstract e14013: Survival and disease control after upfront stereotactic radiosurgery for brain metastases from breast cancer.

First Author: Yan Wang, MD, PhD

Abstract e14014: Upfront stereotactic radiosurgery for brain metastases from triple-negative breast cancer.

First Author: Ran An, MD

Abstract e14015: Safety and efficacy of hypofractionated stereotactic radiosurgery with anlotinib targeted therapy for glioblastoma at first recurrence: A preliminary report.

First Author: Yun Guan

Abstract e14017: A prognostic model based on CGGA and TCGA databases for predicting outcome of glioma patients.

First Author: Hongbin Ni

Abstract e14018: Molecular characteristics of H3 K27M mutation gliomas in Chinese adults.

First Author: Peng Zhang

Abstract e14019: Anlotinib alone or in combination with temozolomide in recurrent high-grade glioma: A retrospective study.

First Author: Qun-ying Yang

Abstract e14020: The analysis of EGFR variants in Chinese adult glioblastoma patients.

First Author: Qiao Li, Master

Abstract e14021: Comparison of next-generation sequencing and FISH/IHC for molecular classification in glioma.

First Author: Deze Jia

Abstract e14022: MAPK pathway alteration may be a new integrated diagnosis term.

First Author: Chuandong Cheng

Abstract e14023: Preclinical evaluation of novel CDK4/6 inhibitor GLR2007 in glioblastoma models.

First Author: Lei Yin, PhD

Abstract e14024: Regorafenib in recurrent glioblastoma patients: A large real-life experience.  
First Author: Mario Caccese

Abstract e14025: Prognostic value of methylation status of MGMT gene promoter in patients with glioblastoma after combination treatment.

First Author: Stanislav G. Vlasov

Abstract e14026: Combination olaparib and durvalumab for patients with recurrent IDH-mutated gliomas.

First Author: Ronald Ramos, MD

Abstract e14027: Assessment of low-intensity transcranial magnetic stimulation (TMS) in treatment for high-grade glioma (HGG).

First Author: Ivan A. Popov

Abstract e14028: Concurrent chemoradiation in the management of newly diagnosed glioblastoma multiforme: Retrospective review of single center experience over a period of 10 years.

First Author: Louise Price

Abstract e14030: Formation of primary cell line collections of glial tumors for cancer research.

First Author: Tatiana V. Shamova

Abstract e14031: Alternative ways to improving the quality of life in combination treatment for high-grade glioma.

First Author: Ivan A. Popov

Abstract e14032: *MGMT* gene polymorphisms in patients with severe hematological toxicity treated with temozolomide for adult diffuse gliomas: Results from a tertiary-care comprehensive cancer center.

First Author: Prithwijit Moitra, MBBS

Abstract e14033: The mutational landscape of older patients with IDH wild-type glioblastoma (GBM).

First Author: Margaret O Johnson, MD, MPH

Abstract e14034: Clinical outcomes in patients with malignant brain tumors admitted to the ICU.

First Author: Sarah Maus

Abstract e14035: Measurement of treatment dependent glioblastoma cell density in T1-weighted contrast enhancement at autopsy.

First Author: Allison Lowman

Abstract e14036: Association of inoperable glioblastoma with a heterogeneous functional and survival outcome.

First Author: Vincent Harlay, MD

Abstract e14037: Single agent activity of ONC201 in non-midline H3 K27M-mutant diffuse gliomas.

First Author: Yazmin Odia, MD

Abstract e14038: RBM8A promotes growth and invasion through the Notch/STAT3 pathway in glioblastoma.

First Author: Yan Lin, Dr.

Abstract e14039: Integrated genomic and transcriptomic analysis identified *KRT18* mutation and *MTAP* loss as key genetic alterations related to the prognosis of astrocytoma and glioblastoma.

First Author: Zhiyong Li, MD

Abstract e14040: High-grade glioma of central nervous system: Single center treatment experience.

First Author: Nur Olgun

Abstract e14041: Integrated use of tumor AI volumetrics and advanced MRI to assess early response to Temferon in a phase 2 GBM trial: A novel paradigm.

First Author: Sotirios Bisdas, MD, PhD, MSc (Advanced Oncology)

Abstract e14042: Optic glioma in children: Turkish experience.

First Author: Inci Yaman Bajin

Abstract e14043: The relationship between expression of PD-L1 and HIF-1 $\alpha$  in glioma cells under hypoxia.

First Author: Xingchen Ding

Abstract e14044: Local progenitor cells shape the neoplastic vasculature and promote brain tumor growth.

First Author: Roland Kälin

Abstract e14045: BMP4 to increase connexin43 expression and interaction with  $\beta$ -catenin in glioblastoma stem cells.

First Author: Natalia Sutherland

Abstract e14046: Elderly glioblastoma patients: Survival analysis according adjuvant therapy and tumor molecular analysis.

First Author: Maria Angeles Vaz

Abstract e14047: Impact of surgery versus other treatment options in recurrent glioblastoma. Analysis of the Spanish Group of Neurooncology Research (GEINO) RETSINE database.  
First Author: María Ángeles Vaz Salgado, MD

Abstract e14048: Anti-PD-L1 treatment to enhance the response of glioblastoma to radiation and produce long-term survival in mice.  
First Author: Fei Wang, MBBS

Abstract e14049: Postoperative concurrent chemoradiotherapy plus apatinib in patients with malignant glioma: From one single research institute.  
First Author: Zhichao Fu

Abstract e14050: Reversing the Friday peak in metastatic cord compression referrals: Not as simple as previously thought?  
First Author: Olusola Michael Adeleke, MBBS, PhD, MRCP

### **Developmental Therapeutics—Immunotherapy**

Abstract e14500: Cutaneous adverse events associated with immune checkpoint blockade: A meta-analysis.  
First Author: Yiqun Han, MD

Abstract e14501: A first-in-human phase dose-escalation study of YH002, a recombinant humanized agonistic anti-OX40 IgG1 monoclonal antibody, in patients with advanced solid tumors.  
First Author: Vinod Ganju, FRACP, MBBS

Abstract e14504: Biosimilar trastuzumab active post marketing surveillance real world 2020 data update: Results from a patient support program for patients under treatment with the first biosimilar trastuzumab approved in Brazil.  
First Author: Allisson Monteiro da Silva, MD

Abstract e14505: Identification of a predictive biomarker and two pharmacodynamic biomarkers to ADG106 treatment, a novel anti-CD137 agonist antibody, in phase I clinical trials.  
First Author: Li Zhang, MD

Abstract e14506: Stem cell properties of GT101, a tumor infiltrating lymphocyte (TIL) product with multiple indications.  
First Author: Yarong Liu

Abstract e14507: CoupledCAR technology for treating thyroid cancer.  
First Author: Lei Xiao, PhD

Abstract e14510: Preclinical analysis of an autologous CD4-targeted chimeric antigen receptor T-cell (CAR-T) immunotherapy for relapsed or refractory peripheral T-cell lymphoma (PTCL) or cutaneous T-cell lymphoma (CTCL).

First Author: Eric Zeng

Abstract e14511: Allogeneic V $\delta$ 1 gamma delta T cells engineered with glypican-3 (GPC3)-specific CAR expressing soluble IL-15 have enhanced antitumor efficacy against hepatocellular carcinoma in preclinical models.

First Author: Amani Makkouk

Abstract e14512: A phase I study to evaluate the safety and effectiveness of neoantigen-based personalized dendritic cell vaccine in patients with advanced solid tumors.

First Author: Jianhui WU, MD

Abstract e14513: Phase I experience with first in class TnMUC1 targeted chimeric antigen receptor T-cells in patients with advanced TnMUC1 positive solid tumors.

First Author: Rodolfo Gutierrez, MD

Abstract e14514: Modification of intrinsic ovarian cancer tumor factors by Wnt-pathway agents influences macrophage recruitment and activity.

First Author: Jhalak Dholakia, MD

Abstract e14515: Generation of a HuTCR mouse platform-derived MAGE-A1-directed high-affinity TCR with superior potency versus human-derived TCRs.

First Author: Ioannis Gavvovidis, PhD

Abstract e14516: Immune effector cell therapies in oncology: A systematic analysis and forecast from ClinicalTrials.gov.

First Author: Jose Vicente Forero-Forero, MD

Abstract e14517: Activating chimeric receptor on IL-15 armored NK cells to improve in vitro and in vivo tumor response within the liver following regional delivery.

First Author: Joanne Tan, PhD

Abstract e14518: Landscape of hyper-progression related gene alterations among Chinese population and their impact on patients' survival after immunotherapy.

First Author: Wenfan Fu

Abstract e14520: Frequency of minimal residual disease as measured by ctDNA in mismatch repair deficient tumors following curative resection.

First Author: Melissa Amy Lumish, MD

Abstract e14521: The prevalence of HLA LOH in Chinese pan-cancer patients and its correlation with genomic alterations.

First Author: Jian Zhao

Abstract e14523: Impact of systemic corticosteroids for cutaneous immune-related adverse events on survival outcomes in patients with advanced cancer: A retrospective cohort study.

First Author: Jaewon Yoon, BA

Abstract e14524: The correlation between tumor microenvironment and the clonality of the T-cell repertoire in lung cancer and colorectal cancer.

First Author: Hua Cao

Abstract e14525: Immune checkpoint inhibitor induced hepatitis: Risk factors, outcomes, and impact on survival.

First Author: Abdul Miah, MD

Abstract e14526: A pan-cancer profiling of somatic mutations and tumor microenvironment to reveal mutation dependent immunophenotypic signature differences in KRAS.

First Author: Lee McDaniel Jr., MD, MSE

Abstract e14527: Systemic and local inflammation characteristics in patients with cancer after lung transplantation.

First Author: Ariane Steindl, MD

Abstract e14528: Gene expression profiling signatures for immunophenotyping of tumor microenvironment using HTG EdgeSeq Precision Immuno-Oncology Panel.

First Author: Melba C. Jaramillo

Abstract e14530: Modelling treatment benefit for bexmarilimab (an anti-Clever-1 antibody and a novel macrophage checkpoint inhibitor) using phase I first-in-man trial data.

First Author: Petri Bono, MD, PhD

Abstract e14532: Tumor-derived GDF-15 to suppress t-lymphocyte recruitment to the tumor microenvironment resulting in resistance to ANTI-PD-1 treatment.

First Author: Joerg Wischhusen, Prof. Dr.

Abstract e14534: Artificial intelligence-powered spatial analysis of tumor infiltrating lymphocytes (TIL) to reflect target gene expressions of novel immuno-oncology agents.

First Author: Chan-Young Ock, MD, PhD

Abstract e14535: Unaltered IL-2 encapsulated in acoustically active lipid microspheres for systemic but targeted microdose delivery to tumor microenvironment.

First Author: Clayton Larsen

Abstract e14537: INTASYL self-delivering RNAi therapy specifically dual-targeting BRD4 and PD-1 to elicit complete tumor responses and evidence of synergy in a subcutaneous Hepa1-6 model of murine hepatoma in C57BL/6N mice.

First Author: Benjamin Cuiffo

Abstract e14543: Highly selective and potent p16-CDK-RB-E2F targeted oncolytic virus therapies.

First Author: Clodagh O'Shea, PhD

Abstract e14544: Pre-clinical evaluation of PV-10 for *in vitro* anti-tumor activity in refractory and high-risk adult solid tumors.

First Author: Son Tran

Abstract e14545: Phase I study of BJ-001, a tumor-targeting interleukin-15 fusion protein, in patients with solid tumor.

First Author: Ki Y. Chung, MD

Abstract e14546: MDNA11 is a long-acting IL-2 superkine that potentiates durable immune response in mouse tumor models and non-human primates.

First Author: Minh D. To, PhD

Abstract e14547: Updated safety and efficacy of MSB2311 (an anti-programmed death-ligand 1 antibody) in Chinese patients with advanced solid tumors and hematological malignancies from a phase 1 study.

First Author: Lin Shen, MD, PhD

Abstract e14549: Immune checkpoint inhibitor-related thrombocytopenia: Incidence, risk factors, and effect on overall survival.

First Author: Tyler Haddad, DO

Abstract e14550: Side effects of extended interval dosing of checkpoint inhibitors among patients during COVID-19 pandemic at the Moncton and the Miramichi hospitals.

First Author: Mahmoud Abdelsalam, MD, PhD (c)

Abstract e14551: Investigating the impact of immune related adverse events, glucocorticoids use and immunotherapy interruption on long-term survival outcomes.

First Author: Charline Lafayolle de la Bruyère

Abstract e14552: Interim analysis of first-in-human phase 1 study to assess safety and efficacy of YBL-006, an anti-PD-1 antibody in advanced solid tumor with exploratory biomarker analysis of tumor mutational burden and artificial intelligence (AI)-powered spatial analysis of tumor-infiltrating lymphocytes.

First Author: John J. Park, MBBS, MPH, FRACP

Abstract e14553: Impact of cancer type on the incidence of cutaneous toxicities after immune checkpoint inhibitor therapy: A population-level analysis.

First Author: Vartan Pahalyants, BA

Abstract e14555: Can radiomics combined with clinical data predict checkpoint inhibitor pneumonitis?

First Author: Christopher Montoya, MD

Abstract e14556: Efficacy of KD033, an anti-human-PD-L1-IL-15 bispecific protein, in human-PD-L1 positive and negative murine tumor models.

First Author: Stella Martomo

Abstract e14558: Nephrotoxicity in patients with cancer treated with immune checkpoint inhibitors.

First Author: Evangelos Eleutherakis Papaiakevou

Abstract e14559: Tissue tumor mutational burden (TMB) as a biomarker of efficacy with immune checkpoint inhibitors (ICI) in metastatic gastrointestinal (mGI) cancers.

First Author: Robert William Lentz, MD

Abstract e14560: CARG-2020, an oncolytic artificial virus co-delivering three immunomodulators, to regress and cure established tumors in mice.

First Author: Bijan Almassian, PhD

Abstract e14561: Personalized DNA neoantigen vaccine in combination with plasmid IL-12 for the treatment of a patient with anaplastic astrocytoma.

First Author: Tanner Michael Johanns, MD, PhD

Abstract e14562: Case series on the safety of mRNA COVID19 vaccines in cancer patients undergoing treatment.

First Author: Faysal Haroun, MD

Abstract e14563: A peptide-based neoantigen vaccine for patients with advanced pancreatic cancer refractory to standard treatment.

First Author: Liu Yang

Abstract e14564: Repurposing infectious diseases vaccines against cancer.

First Author: Gauthier Bouche, MD, MPH

Abstract e14565: Development and characterization of a HCMV multiantigen therapeutic vaccine for GBM using the UNITE platform.

First Author: Amit Adhikari, PhD

Abstract e14566: Outcome of concurrent treatment with a-CTLA4 and metronidazole in murine model of colon adenocarcinoma.

First Author: Yusra B. Medik, MD

Abstract e14567: Association of immune checkpoint inhibitors (ICI) and venous thromboembolism (VTE): A single healthcare system experience.

First Author: Aneesha Ananthula, MD

Abstract e14568: Safety of immune checkpoint inhibitors in patients with preexisting autoimmune disorders.

First Author: Rohit Kumar, MD

Abstract e14569: HMBD-002 is a novel, neutralizing, anti-VISTA antibody exhibiting strong preclinical efficacy and safety, being developed as a monotherapy and in combination with pembrolizumab.

First Author: Leah DiMascio

Abstract e14571: The incidence of occult endocrinopathies in patients with cancer undergoing immunotherapy in community practice.

First Author: Ahmed Abdalla, MD

Abstract e14572: SYK gene mutations with TMB-H and MSI-H in solid tumors.

First Author: Jian Shi

Abstract e14573: <sup>125</sup>I seed combined with DCS loaded with tumor antigen to convert irradiated liver cancer into effective in situ vaccine.

First Author: Peng Zeng, MD, Ph.D

Abstract e14574: Initial results from a first in human trial incorporating accelerated dose titration of a novel immune stimulating oncolytic virus - VG161.

First Author: Ronghua Zhao

Abstract e14575: Exploration of the TMB and hypermutation landscape in Chinese pan-cancer patient by next-generation sequencing.

First Author: Shuo Wang

Abstract e14576: Exploration of the MSI landscape in Chinese pan-cancer patient by Next-Generation Sequencing.

First Author: Xinlu Liu

Abstract e14577: Combination therapy with vincristine, immunoglobulin and glucocorticosteroid (VIG regimen) is very effective for the management of grade 3/4 or steroid-refractory immune-related adverse events (irAE) secondary to PD-1 blockade.

First Author: Zhan-Hong Chen, PHD

Abstract e14578: Six-gene model based on expression predicts distinct disease-free survival in early-stage microsatellite stability (MSS) endometrial, colorectal and stomach tumors.

First Author: Tufeng Chen

Abstract e14579: Myocarditis in patients treated with anti-programmed death-1/programmed death ligand 1 therapy.

First Author: Hanping Wang, MD

Abstract e14580: Immune-related adverse events associated with immune-checkpoint inhibitors therapy in Mexican patients: Experience at a single center.

First Author: Iván Romarico Romarico Gonzalez Espinoza, MD

Abstract e14581: Preclinical monotherapeutic and anti-PD-1 synergistic anti-tumor efficacy of MNC-168, a novel human-derived live biotherapeutic product.

First Author: Chuan-Sheng Lin

Abstract e14582: Venous thromboembolism in patients on check point inhibitors.

First Author: Upama Giri, MD

Abstract e14583: Corticosteroid use and its impact on the efficacy of immunotherapy in multiple tumor types.

First Author: Blessie Elizabeth Nelson, DMRT, MBBS

## **Developmental Therapeutics—Molecularly Targeted Agents and Tumor Biology**

Abstract e15000: Prediction of clinical efficacy by plasma concentration of apatinib in patients with solid tumor.

First Author: Hongtao He

Abstract e15001: *PIK3CA-TP53* co-mutation as a biomarker of overall survival in malignant tumor.

First Author: Hongyan Wang, Ph D

Abstract e15002: The landscape of intergenic-breakpoint fusion in lung cancer.

First Author: Hua Liang, master

Abstract e15003: Bevacizumab biosimilar (MB02) and reference bevacizumab in patients with stage IIIB/IV non-squamous non-small cell lung cancer (NSCLC) (STELLA study): Multiple Imputation analysis.

First Author: Dmytro Trukhin, MD, PhD

Abstract e15004: Identification and analysis of immune microenvironment characterization and key signal pathways in liver metastasis.

First Author: Xiaoxia Zhu, MD

Abstract e15005: Anti-PITPNM3 small molecular compounds reverse breast cancer metastasis by targeting PITPNM3.

First Author: Chang Gong

Abstract e15007: The mechanism of the growth inhibitory effect of paclitaxel on gefitinib-resistant non-small cell lung cancer (NSCLC) cells during the COVID-19 pandemic.

First Author: Md Mohiuddin

Abstract e15008: Antitumor efficacy of 2-(6,8-dimethyl-5-nitro-4-chloroquinoline-2-yl)-5,6,7-trichloro-1,3-tropolone in lung cancer xenografts.

First Author: Ekaterina A. Lukbanova

Abstract e15009: The inhibitory effect of cisplatin, paclitaxel, and pemetrexed on the growth of PC9GR cells resistant to NK cell-mediated cytotoxicity during the COVID-19 pandemic.

First Author: Md Mohiuddin

Abstract e15010: Effect of Wnt pathway inhibitor on ovarian cancer tumors.

First Author: M. V. Mindar

Abstract e15011: Antitumor efficiency of combination of bortezomib and therosolomide on subcutaneous PDX-model of human glioblastoma.

First Author: A. V. Volkova

Abstract e15012: Deep learning to identify and predict cardiotoxicities of anticancer drugs.

First Author: Mayur Sarangdhar, PhD

Abstract e15013: Expression of epidermal growth factor receptor (EGFR) in blood and tumor in patients with breast carcinoma: Prognostic analysis.

First Author: Rogerio Agenor De Araujo, MD

Abstract e15014: Association of genes copy number in extracellular DNA in patients with prostate cancer and sensitivity to radiotherapy.

First Author: Denis S. Kutilin, PhD

Abstract e15015: Investigation of TLR4 and pSTAT3 expression on tumor and immune cells in the peripheral blood (PB) of patients with breast cancer (BC).

First Author: Maria A Papadaki, PhD

Abstract e15016: Phase Ib/II study of capecitabine 7/7 schedule with neratinib in patients with HER2-positive metastatic breast cancer (MBC).

First Author: Rui Wang, MD

Abstract e15018: Genomic profiling by cell-free circulating tumor DNA in patients with recurrent adenoid cystic carcinoma (ACC) and the potential activity of selective fibroblast

growth factor receptor (FGFR) inhibitors.

First Author: Cesar Augusto Perez, MD

Abstract e15019: MosaicNeedles: A tool for multi-omic liquid biopsy sensitivity and specificity enhancement.

First Author: Qimin Quan, PhD

Abstract e15020: Translational relevance of baseline NLR and LMR ratio in predicting response of EGFR-TKI.

First Author: Hrishi Varayathu

Abstract e15021: Clinical and immunological allergy assessment in cancer patients.

First Author: Bruno Gustavo Muzzi Carvalho Carneiro, MD, PhD

Abstract e15022: Cell-surface vimentin positive circulating tumor cells as a diagnostic and prognostic indicator in pediatric sarcoma patients.

First Author: Long Dao

Abstract e15023: Differential expression of long noncoding RNAs in patients with metastatic and nonmetastatic colorectal cancer.

First Author: Denis S. Kutilin, PhD

Abstract e15024: Targeting DNAJC19 overcomes tumor growth and metastasis in NSCLC by regulating AKT1 signaling.

First Author: Tao Ren

Abstract e15025: Likelihood of benefit from large panel genetic profiling in a community hospital system.

First Author: Jordan Alana Ciuro, MD

Abstract e15026: Pretreatment <sup>18</sup>F-FDG uptake heterogeneity predicts response to pyrotinib in patients with metastatic HER2-positive breast cancer.

First Author: Cc Gong

Abstract e15027: A micro-organosphere potency assay for adoptive T-cell therapy.

First Author: Naveen Natesh, BA

Abstract e15028: Significance of molecular detection in diagnosis of benign and malignant thyroid nodules in China.

First Author: Yuntao Song

Abstract e15029: Consistent performance of highly multiplexed RNA fusion detection with low RNA input and limit of detection.

First Author: David Debruyne, Ph.D

Abstract e15031: Circulating tumor cell proportion scoring (CTPS) based PD-L1 assessment and clinical application of circulating tumor cells (CTCs) on stage IV non-small cell lung cancer (NSCLC) through liquid biopsy.

First Author: Mi Young Choi, Ph.D

Abstract e15033: Analysis of the relative copy numbers of TP63, YAP1 and KMT2D genetic loci and EGFR expression in orthotopic patient-derived xenografts of cardioesophageal cancer in immunodeficient mice.

First Author: Anna S. Goncharova

Abstract e15034: Correlation of SOX-2 and NOTCH1 copy numbers with vimentin expression in orthotopic patient-derived xenografts of cardioesophageal cancer in immunodeficient mice.

First Author: Anna S. Goncharova

Abstract e15036: Development of a DNA damage response (DDR) therapeutics platform for oncology.

First Author: Debanu Das

Abstract e15037: Towards the clinical validity of tumor organoid drug screens: Establishing a framework for organoid disease models.

First Author: Jessica Slostad, MD

Abstract e15038: Preliminary results of BEAVER: An investigator-initiated phase II study of binimetinib and encorafenib for the treatment of advanced solid tumors with non-V600E BRAF mutations (mts).

First Author: April A. N. Rose, MD, PhD

Abstract e15039: PCSK9 inhibitor evolocumab to increase anticancer activities and reduce cardiotoxicity during doxorubicin and trastuzumab, as sequential treatment, through MyD88/NF- $\kappa$ B/mTORC1 pathways.

First Author: Vincenzo Quagliariello, PhD

Abstract e15040: Characterization of NTRK gene fusion events in solid tumors among Chinese patients.

First Author: Xuhui Zhang, M.D

Abstract e15041: The SGLT-2 inhibitor dapagliflozin reduces cell death and apoptosis in cardiomyocytes exposed to trastuzumab and doxorubicin through NLRP3-mediated pathways.

First Author: Nicola Maurea

Abstract e15042: Cytoprotective effects of spirulina extract against doxorubicin-induced cardiotoxicity: Biochemical evidences and translational perspectives in cardio-oncology.

First Author: Nicola Maurea

Abstract e15043: New tropolone derivative to inhibit cell motility in colorectal cancer cells.  
First Author: Irina V. Mezhevova

Abstract e15045: Antimigratory effect of berberine in T98G, U87MG and primary glioma cell culture.

First Author: Irina V. Mezhevova

Abstract e15046: Transcriptome (RNA next generation sequencing) for personalizing of cancer treatment: A correlation with previous clinical resistance.

First Author: Manuel Sureda, PhD, MD

Abstract e15047: Co-loading of an anthracycline analogue Pirarubicin and Salinomycin in a 1:3 ratio into Quatramer biodegradable polymeric nanoparticles synergistically inhibit growth of triple-negative breast cancer.

First Author: Surender Kharbanda, PhD

Abstract e15048: The functional significance of ATM phosphorylation of Bub3 on Serine 135 in sensitivity to DNA damaging agents.

First Author: Siyue Zhang

Abstract e15050: The development of a computational machine learning tool to decipher malignant cell gene expression from complex tumor tissue.

First Author: Maksim Chelushkin, MS

Abstract e15051: A phase 1 study evaluating preliminary safety, pharmacokinetic and pharmacodynamic of pemigatinib in Chinese patients with advanced malignancy.

First Author: Yi Ba

Abstract e15052: Anti-tumor activity of SKLB-0322, a novel EZH2 covalent inhibitor, in ovarian cancer.

First Author: Yongxia Zhu

Abstract e15054: Organotin compounds as effective antimetastatic substances in the treatment of epidermoid lung carcinoma Lewis (LLC) in an experiment.

First Author: Margarita Avdeevna Dodokhova, PhD

Abstract e15056: Bispecific anti-PD-1/PD-L1 antibody CTX-8371 to promote cellular clustering and PD-1 shedding, antitumor activity and tolerability.

First Author: Diana I. Albu, PhD

Abstract e15057: Sequential usage of imidazole followed by tamoxifen to enhance the anticancer effect of tamoxifen in estrogen receptor-positive breast cancer cell lines.

First Author: Tarik Inci, BSc

Abstract e15058: Mechanism of inhibitory effect of terpenoid compound from *Achillea millefolium* on human lung cancer cell proliferation.

First Author: Siming Wang

Abstract e15059: Inhibitory effect of lignans from *Ailanthus altissima* on proliferation of human lung cancer cells and its mechanism.

First Author: Yu Wang

Abstract e15060: An open-label, fixed-sequence study to evaluate the effect of encephalid (HM30181) an oral P-gp inhibitor, on the pharmacokinetics of dabigatran etexilate (a P-gp substrate) in healthy male volunteers.

First Author: Christopher G. C. A. Jackson, FRACP

Abstract e15061: Cardiovascular toxicities associated with ibrutinib in elderly patients.

First Author: Jason Yudiono, PharmD

Abstract e15062: Discovery of HBW-3-10: A potent, orally active, reversible Bruton's tyrosine kinase (BTK) inhibitor with antitumor activity in mice.

First Author: Ning Lee, PhD

Abstract e15063: Effect of secondary metabolites of *Berberis vulgaris* and *Petasites hybridus* on apoptosis and cell cycle of HeLa cell line.

First Author: Yaroslav S. Enin

Abstract e15064: Synthetic lethality of LP-184, a next generation acylfulvene, in ex vivo PDX models with homologous recombination defects.

First Author: Aditya Kulkarni

Abstract e15065: Polydatin reduces cardiotoxicity of tyrosine kinase inhibitor sunitinib by decreasing pro-oxidative stress, pro-inflammatory cytokines and NLRP3 inflammasome expression.

First Author: Massimiliano Berretta, MD, PhD

Abstract e15066: Tissue distribution and brain penetration of niraparib in tumor bearing mouse models and its clinical relevance.

First Author: Keyur Gada, PhD

Abstract e15067: Pharmacologic characterization of TACH101, a first-in-class KDM4 inhibitor for development as a cancer therapeutic.

First Author: Sanghee Yoo, PhD

Abstract e15068: Discovery of HBW-3-20, the first potent reversible inhibitor of Bruton's tyrosine kinase (BTK) with high brain exposure.

First Author: Ning Lee, PhD

Abstract e15069: A small molecule LN435a targeting TGF $\beta$ R1 exerts promising antitumor effects on breast cancer.

First Author: Yuzhu Zhang, PhD, MD

Abstract e15070: TrxR1 to promote adriamycin resistance in MCF-7 breast cancer cells by upregulating both gene expression level and enzyme activity: Reversed by shikonin.

First Author: JinQing Yang

Abstract e15072: Oncogenic FGFR3 gene fusions in solid tumors among Chinese cancer patients.

First Author: Libin Xu

Abstract e15073: Frequency of homologous recombination deficiency gene mutations in melanoma and its relevance to the immunotherapeutic response.

First Author: Huanhuan Liu

Abstract e15074: A pan-cancer study on characteristic of *CDK4/6* amplification between Chinese and Western patients.

First Author: Yamin Zhang, Doctorate

Abstract e15076: AKT1 in Asia: A landscape analysis of 11,813 Chinese tumor samples.

First Author: PingPing Gan

Abstract e15077: Accurately estimating the homologous recombination deficiency based on low-pass whole-genome sequencing and target sequencing.

First Author: Fang Lv

Abstract e15078: AcornHRD: A novel tool to identify homologous recombination deficiency events in whole genome sequencing data.

First Author: Kai Liu

Abstract e15079: Prognostic value of tumor-infiltrating lymphocytes in signet-ring cell carcinoma of the rectum and sigmoid colon.

First Author: Jiaolin Zhou, MD

Abstract e15080: Integration of molecular cancer classification and next-generation sequencing to identify metastatic patients eligible for PARP inhibitors.

First Author: Lowell L. Hart, MD, FACP

Abstract e15081: Gamma-interferon inducible lysosomal thiolreductase (GILT) effect on breast tumor microenvironment through regulating CXCR6/CXCL16 axis.

First Author: YinJiao Fei

Abstract e15083: Synergizing microdissection with ddPCR to advance precision oncology.  
First Author: Donald Joseph Johann Jr., MD

Abstract e15084: Transformation from non-small cell lung cancer to small cell lung cancer: A report of clinicopathological characteristics and prognoses.  
First Author: Jun Wang

Abstract e15085: Analytical and clinical validation of the BostonGene tumor portrait assay.  
First Author: Katerina Nuzhdina

Abstract e15086: Genomic aberrations in African American patients with solid tumors: A comparative institutional study.  
First Author: Manan Shah, MD

Abstract e15087: Association of PIK3CA, PTCH1, FGF6, and NRAS mutations with venous thromboembolism in advanced lung and gastrointestinal cancer.  
First Author: Satish Maharaj, MBBS

Abstract e15088: NTRK genomic alterations in Latin-American cancer patients.  
First Author: Daniel Carvajal

Abstract e15090: Clinical application of next-generation sequencing in cancer patients.  
First Author: Valentina Shamrikova

Abstract e15091: Antitumor effects of local anesthetic agents in vitro and in vivo.  
First Author: Lucillia Bezu, MD, PhD

Abstract e15092: Profiling receptor tyrosine kinase fusions in Chinese breast cancers.  
First Author: Zhonghua Tao

Abstract e15093: Comprehensive analysis of somatic reversion mutations in homologous recombination repair genes in a large cohort of Chinese pan-cancer patients.  
First Author: Wen-Ming Cao, PhD/MD

Abstract e15094: Potential of 1,3-diethylbenzimidazolium triiodide in experimental therapy for lung cancer.  
First Author: Alla I. Shikhlyarova

Abstract e15095: Levels of the IGF system components in malignant lesions of the lungs with preventive effect of 1,3-diethylbenzimidazolium triiodide in the experiment.  
First Author: Lidia K. Trepitaki

Abstract e15096: Assessment of ethnic difference in the incidence of thrombocytopenia induced by trastuzumab emtansine (T-DM1): A meta-analysis.

First Author: Jingyi Zhang

Abstract e15097: Experience on the diagnosis and treatment of multiple active primary cancers in our Institution.

First Author: Shiyu Jiang

Abstract e15098: The clinicopathological characteristics, gene mutation characteristics and survival analysis of carcinoma of unknown primary origin.

First Author: Yanzhi Cui, MD

Abstract e15099: Significance of scores generated by a cancer therapy matching engine for patient outcomes.

First Author: Eden Romm

Abstract e15100: Comparing of pan-cancer tumor immune microenvironment.

First Author: Jiaan Ye

Abstract e15102: The imprecise promise of the Precision Medicine Initiative (PMI): Where we got it wrong and how can we fix it?

First Author: Natasha Clinton, MSN, AOCNP, APRN

## **Gastrointestinal Cancer—Colorectal and Anal**

Abstract e15500: Neoadjuvant PD-1 blockade combined with chemotherapy followed by concurrent immunoradiotherapy for locally advanced anal canal squamous carcinoma patients: Antitumor efficacy, safety and biomarker.

First Author: Weiwei Xiao

Abstract e15501: Interim analysis of a phase II study of simultaneously integrated boost intensity modulated radiation therapy (SIB-IMRT) in combination with 5-FU and mitomycin-C among patients with locally advanced anal canal cancer.

First Author: Carmen Florescu, MD

Abstract e15502: External validation of a radiomic signature to predict HPV (p16) status from standard CT images of anal and vulvar cancer patients.

First Author: Ralph T.H. Leijenaar

Abstract e15503: Phase 2 study of second-line FOLFIRI-aflibercept in prospectively stratified, RAS wild type, anti-EGFR resistant, metastatic colorectal cancer patients: The DISTINCTIVE trial.

First Author: Eleonora Lai, MD

Abstract e15504: Association of the anorectal microbiome and patient-reported gastrointestinal outcomes in patients with anal cancer.

First Author: Ramez Kouzy, MD

Abstract e15505: Healthcare utilization and outcomes in HIV versus non-HIV patients with anal cancer: A nationwide analysis.

First Author: Ikechukwu Achebe, M.D

Abstract e15506: Definitive chemoradiotherapy for squamous cell carcinoma of the anal canal (SCCAC) with cisplatin and capecitabine: A prospective cohort—preliminary results.

First Author: Abraão Dornellas, MD

Abstract e15507: LDL receptor related protein 2 to promote colorectal cancer metastasis via enhancing GSK3 $\beta$ / $\beta$ -catenin signaling.

First Author: Xiaobin Zheng, MD, PhD

Abstract e15508: Circulation of tumor cells to destroy correlations in immune system of colorectal cancer patients.

First Author: Anastasia O. Sitkovskaya

Abstract e15509: Relationship between circulating tumor cells and ZEB1 expression in tumor cells in colorectal cancer.

First Author: Inna A. Novikova

Abstract e15510: Peripheral blood levels of tumor-infiltrating lymphocytes (TILs) and circulating tumor cells (CTCs) in patients with colorectal cancer.

First Author: Inna A. Novikova

Abstract e15511: Methylated DNA markers for monitoring palliative chemotherapy response in advanced colorectal cancer.

First Author: Mojun Zhu, MD

Abstract e15512: MYC as a candidate upstream controller involved in *TYMS* gene expression and 5-FU/folate treatment efficacy in colorectal cancer.

First Author: David A. Drubin, PhD

Abstract e15513: Correlation between driver mutation and immune microenvironment in colorectal cancer patients.

First Author: Xiaochen Cai

Abstract e15514: Novel molecular classification of colorectal cancer and correlation with long-term survival.

First Author: Fayaz Hussain Mangi Jr.

Abstract e15515: Pooled analysis of *POLE*-mutant colorectal cancer characteristics.

First Author: Sharon Li, MD

Abstract e15516: Clinicopathologic variables and outcomes in elderly colorectal cancer patients with microsatellite instability and multiple primary malignancies.

First Author: Suleyman Yasin Goksu, MD

Abstract e15517: Dihydropyrimidine dehydrogenase deficiency in patients treated with 5FU or capecitabine based regimens: A single center experience from South India.

First Author: Keechilat Pavithran, DM, FCRP, MD

Abstract e15518: Analysis of the relationship between different prognosis factors in patients with advanced colon cancer and progression-free survival.

First Author: Eduardo Richardet, MD, PhD

Abstract e15519: Associations of mutation profiles with clinical outcomes among metastatic colorectal cancer patients at the United States-Mexico border.

First Author: Reshad Ghafouri

Abstract e15520: Deep learning to identify a gene signature associated with molecular subtypes that predicts prognosis in colorectal cancer.

First Author: Du Cai

Abstract e15521: Analysis of LRP1B as a potential biomarker for colorectal cancer immunotherapy.

First Author: Ruiting Liu

Abstract e15522: Somatic and germline mutation profiles of Chinese young colorectal cancer patients.

First Author: Hongxia Li

Abstract e15523: Global *BRAF* testing practices in metastatic colorectal cancer (mCRC).

First Author: Jayesh Desai, FRACP

Abstract e15524: Genetic alterations in MSS and TMB-H Chinese colorectal cancer patients.

First Author: Shuangyi Ren, Doctor of Medicine(MD)

Abstract e15525: Landscape of homologous recombination-related (HRR) genes mutations in colon cancer.

First Author: Tuanjie Zhao

Abstract e15526: ZEB1 expression in different stages of colorectal cancer.

First Author: Evgeniya M. Nepomnyashchaya

Abstract e15527: Genomic profiles of BRAF inhibitor resistance mechanisms in metastatic colorectal cancer.

First Author: Ting Xu, MD

Abstract e15528: TRIM29 expression and its survival predictor value in colorectal cancer with different primary tumor location.

First Author: Jing Han

Abstract e15529: The expression of THOX2 in colorectal mucinous adenocarcinoma and its relationship with prognosis.

First Author: Xue Zhang

Abstract e15530: Functional plasticity of putative *TP53* gain of function mutations in human gastrointestinal tract adenocarcinomas.

First Author: David R. Braxton, MD

Abstract e15531: Clinicopathological and genomic characteristics of *POLE*-mutated colorectal cancer in a Chinese population.

First Author: Xuhui Zhang

Abstract e15532: Discovery of a potential predictive marker for eribulin treatment and novel target genes in *BRAF* V600E mutant metastatic colorectal cancer using an AI-driven RNA-seq analysis platform: Translational research of the BRAVERY study (EPOC1701).

First Author: Toshiki Masuishi, MD, PhD

Abstract e15533: Application of a colorectal cancer ctDNA methylation test in endocrine cancers.

First Author: Jean M. Winter

Abstract e15534: LincRNA-p21 as predictive response marker for preoperative chemoradiotherapy in rectal cancer.

First Author: Jose Carlos Benitez, MD, MSc

Abstract e15535: VEGFR2 expressions in Th1 and CD8+ cytotoxic T lymphocytes (CTL) in colon cancer patients.

First Author: Mehmet Artac, MD

Abstract e15536: Proteome and phospho-proteome profiling for deeper phenotype characterization of colorectal cancer heterogeneity.

First Author: Jakob Vowinckel, PhD

Abstract e15537: Prevalence of *NTRK1/3* fusions in mismatch repair-deficient (dMMR)/microsatellite instable (MSI) tumors of patients with metastatic colorectal cancer

(mCRC).

First Author: Magali Svrcek, MD, PhD

Abstract e15538: Antiangiogenic drug-induced proteinuria as a predictive factor in metastatic colorectal cancer.

First Author: Mihai Vasile Marinca, MD, PhD

Abstract e15539: Detailed incidence and mortality trends of early-onset colorectal cancer in Canada.

First Author: Dylan E. O'Sullivan, PhD

Abstract e15540: The impact of myosteatosis on outcomes following surgery for gastrointestinal malignancy: A systematic review and meta-analysis.

First Author: Andrew MacCormick

Abstract e15541: Prognostic role of apolipoprotein and lactate dehydrogenase levels in resectable colorectal cancer.

First Author: Yifei Ma

Abstract e15542: Associations between age and stage at presentation among black and white colorectal cancer patients.

First Author: Victoria Starks

Abstract e15543: Treatment dependent improvements in survival of stage 2/3 rectal cancer patients treated with trimodality therapy between 2006-2016, an NCDDB analysis.

First Author: Hagen Fritz Kennecke, FRCPC, MD, MHA

Abstract e15544: A cohort study on the molecular mechanism of distinct therapeutic effects and prognosis in Chinese colorectal cancer patients who underwent neoadjuvant or surgical therapies.

First Author: Ye Xu, MD

Abstract e15545: Predicting biomarkers of hepatic metastasis in Chinese colorectal cancer patients.

First Author: Honghua Peng, MD

Abstract e15546: KRAS, NRAS and BRAF mutational status and first line treatment patterns in Slovenian population with metastatic colorectal carcinoma: Five year results.

First Author: Tanja Mesti, MD, PhD

Abstract e15547: Clinicopathologic features and impact of metastasectomy in patients with BRAF-mutant metastatic colorectal cancer.

First Author: Jianwei Zhang, MD

Abstract e15548: Differential gene expression of tight-junction proteins and their correlation with PRSS8 and prognosis in colorectal cancer.

First Author: Wancai Yang, MD

Abstract e15549: Metastasectomy in colorectal carcinoma (CRC) patients (pts) with mBRAF: Prospective database analysis.

First Author: Mikhail Fedyanin, MD

Abstract e15550: Update results from ALTER-C-001: Efficacy and safety of anlotinib plus XELOX regimen as first-line treatment followed by maintenance monotherapy of anlotinib for patients with mCRC-A single-arm, multicenter, phase II clinical trial.

First Author: Jin Yan

Abstract e15551: A phase Ib trial of assessing the safety and preliminary efficacy of a combination therapy of geptanolimab (GB 226) plus fruquintinib in patients with metastatic colorectal cancer (mCRC).

First Author: Yuxian Bai, MD, PhD

Abstract e15552: A phase II trial of pembrolizumab and poly-ICLC in patients with metastatic mismatch repair-proficient colon cancer.

First Author: Nabin Raj Karki, MBBS

Abstract e15553: A phase I study of SHR7390 plus camrelizumab in advanced/metastatic colorectal cancer.

First Author: Xiao-li Wei, MD

Abstract e15554: Dual-targeted therapy with pyrotinib and trastuzumab for HER2-positive advanced colorectal cancer: Preliminary results from a multicenter phase 2 trial.

First Author: Ying Yuan

Abstract e15555: Fruquintinib in patients with metastatic colorectal cancer failed in previously bevacizumab-based therapy: A monocentric retrospective study.

First Author: Xiaoqiang Gu

Abstract e15556: Early clinical experience with trifluridine/tipiracil for refractory metastatic colorectal cancer: The ROS study.

First Author: Pilar Garcia-Alfonso, MD

Abstract e15557: Variation in the use of genomic testing in patients with metastatic colorectal cancer.

First Author: Sarah C. Markt, ScD, MPH

Abstract e15558: The role of site of metastatic resection (MR) in metastatic colorectal cancer (mCRC) patients (PTS): A mono-institutional cohort study.

First Author: Marta Ribelli, MD

Abstract e15559: Chemotherapy and bevacizumab prescription in routine management of metastatic colorectal cancer in Uruguay: Is clinical practice following the evidence?

First Author: Santiago Fontes, MD, MSc

Abstract e15560: A single-arm study on the efficacy and safety of regorafenib plus sintilimab as salvage-line treatments in non-MSI-H metastatic colorectal cancer.

First Author: Rui Liu

Abstract e15561: Real-world treatment outcomes from nationwide ONCO-colon Turkey registry in RAS wild-type patients treated with biologics first-line metastatic colorectal cancer.

First Author: Umut Kefeli, MD

Abstract e15562: DNA mismatch repair and microsatellite instability in colorectal tumors: An observational study in the Veterans Affairs Health Care System.

First Author: Zachary William Abraham Klaassen, MD, MSc

Abstract e15563: A retrospective study of local hepatic artery infusion chemotherapy combined with regorafenib in the treatment of advanced colorectal cancer with predominant liver metastases.

First Author: Guang Cao

Abstract e15564: Updated results of ALTER-C002: Anlotinib combined with CAPEOX in first-line treatment of patients with RAS/BRAF wild-type unresectable metastatic colorectal cancer.

First Author: Ke-Feng Ding, MD, PhD

Abstract e15565: Identifying an immune-related gene-pair for prognosis prediction of metastatic colorectal cancer.

First Author: Qiqi Zhu

Abstract e15566: Angiopoietin-2 early increase to predict benefit from regorafenib in metastatic colorectal cancer (mCRC) patients: The prospective REGOLAND study.

First Author: Federica Marmorino, MD

Abstract e15567: Functional precision medicine in colorectal cancer based on patient-derived tumoroids and in-vitro sensitivity drug testing.

First Author: Lars Henrik Jensen, MD, PhD

Abstract e15568: Real-world time on treatment and overall survival in patients with metastatic colorectal cancer receiving cetuximab in second line after failing irinotecan or oxaliplatin-based

regimens.

First Author: Wambui Gathirua-Mwangi

Abstract e15569: Efficacy, treatment modalities, and safety of regorafenib in Chinese metastatic colorectal cancer patients: A multiple centers real-world study.

First Author: Zhichao Jiang, MD

Abstract e15570: Impact of RAS status and prior targeted therapy on the activity of aflibercept plus FOLFIRI in patients with metastatic colorectal cancer (mCRC) in daily practice. Final results of the QoLiTrap prospective non-interventional study.

First Author: Ralf Dieter Hofheinz, MD

Abstract e15571: FORECAST-1: Feasibility of organoid response assessment to define effective treatments for patients with colorectal cancer after failure of standard therapy.

First Author: Grace Gard, MBBS

Abstract e15573: Phase I dose-escalation study of desynchronized irinotecan plus bevacizumab, oxaliplatin, 5-fluorouracil, and folinic acid (bFOLFIRINOX-3) administration in chemorefractory metastatic colorectal cancer patients.

First Author: Jean-David Fumet, MD

Abstract e15574: Efficacy of an anti-EGFR after ctDNA conversion from mutated RAS status of metastatic colorectal cancer: Results of a pilot study.

First Author: Mohamed Bouchahda

Abstract e15575: A retrospective analysis of real-world time on treatment and overall survival in patients with metastatic colorectal cancer receiving cetuximab in third line.

First Author: Wambui Gathirua-Mwangi

Abstract e15576: Trop-2 inactivates E-cadherin and drives colon cancer metastasis.

First Author: Saverio Alberti, MD, PhD

Abstract e15577: Landscape of COVID-19 vaccine uptake in the colorectal cancer community: Responding to community needs.

First Author: Andrea Dwyer, None

Abstract e15578: Association of TP53 mutation with decreased prevalence of MSI-high, RAS and PI3KCA mutations in metastatic colorectal cancer.

First Author: Minggui Pan, MD, PhD

Abstract e15579: Open-label phase 1 study evaluating the tolerability and anti-tumor activity of selinexor and pembrolizumab in colorectal cancer.

First Author: Talia Golan, MD

Abstract e15580: Phase I trial of regorafenib, hydroxychloroquine, and entinostat in metastatic colorectal cancer.

First Author: Timothy J Brown, MD

Abstract e15581: A cost-utility analysis of combined durvalumab and tremelimumab in patients with refractory metastatic colorectal cancer (mCRC) and high plasma tumour mutation burden (pTMB): A Canadian Cancer Trials Group (CCTG) study.

First Author: Monish Ahluwalia, BSc

Abstract e15582: Retrospective pilot study of regorafenib combined with ICIs in the third-line treatment of advanced colorectal cancer.

First Author: Hangyu Zhang

Abstract e15583: The importance of maintenance chemotherapy in the first and second lines of treatment of metastatic colorectal cancer.

First Author: Danila Gridnev

Abstract e15584: Effectiveness and tolerability of FOLFOXIRI regimen in the third- and subsequent lines of therapy in patients with metastatic colorectal cancer.

First Author: Kseniya Yakimovich

Abstract e15585: Regorafenib plus PD-1 inhibitors in Chinese patients with microsatellite stable/mismatch repair proficient metastatic colorectal cancer: A real-world study.

First Author: Kaili Yang

Abstract e15586: Efficacy and prognostic significance of triflurodine/tipiracil beyond oxaliplatin and irinotecan based chemotherapy in patients with refractory metastatic colorectal cancer: An observational multicenter study.

First Author: Mohamed Alghamdi, MD

Abstract e15587: The temporal evaluation of RAS and BRAF mutation by liquid biopsy at progression after bevacizumab combinations in patients with metastatic colorectal cancer (mCRC).

First Author: Irem Bilgetekin, MD

Abstract e15588: Responsibility of immune microenvironment for poor response to immune checkpoint inhibitors in CRC patients with KRAS mutation.

First Author: Qiyu Liu

Abstract e15589: Rationale for the utilization of biological targeted agents (bTAs) in the treatment of metastatic colorectal cancer (mCRC), single tertiary cancer center experience.

First Author: Ivan Barrera, MD

Abstract e15590: Predictors of lymph node metastasis in T1 colorectal cancer in young patients: Results from a national cancer registry.

First Author: Jameel Kenneth Singh, MD, MSc

Abstract e15592: Clinical, pathologic, and demographic characteristics of colorectal cancer in patients under age 50 in a third level Mexican cancer center.

First Author: Omar Serrano Villamayor, MD, MD

Abstract e15593: "No problem" health-related quality of life (HRQoL) in patients treated with regorafenib (Reg) for relapsed metastatic colorectal cancer (mCRC).

First Author: Yun Su, MD, MPH, MS

Abstract e15594: Demographic differences of colorectal cancer in the community and academic setting in patients over the age of 75 compared to those aged 50 to 75.

First Author: Kafayat Adebukola Busari, MD

Abstract e15595: Comparison of colorectal cancer location and metastasis site in patients aged 50 to 75 versus age 75 and older in community and academic practice.

First Author: Kafayat Adebukola Busari, MD

Abstract e15596: Type of 5-fluorouracil and risk of cardiovascular events in early-stage colon cancer.

First Author: Wen Kuan Huang, PhD

Abstract e15597: Chemotherapy completion rate for locally advanced rectal cancer at a safety-net hospital.

First Author: Jordan Wlodarczyk

Abstract e15598: Neoadjuvant chemotherapy for locally advanced colon cancer patients: Long-term results from a single institutional experience.

First Author: Lucia Cenicerros, MD

Abstract e15599: Postoperative PET-CT in patients (pts) with pathological stage III colon cancer (CC): Interim results from the first prospective validation study.

First Author: Roi Tschernichovsky, MD

Abstract e15600: Is shift-work associated with increased risk of rectal cancer? A meta-analysis.

First Author: Chenyu Sun, MSc, MD

Abstract e15601: Clinical outcomes following definitive treatment of young-onset, locally advanced rectal cancer: A single institution experience.

First Author: Nicolette Taku, MD, MPH, MPhil

Abstract e15602: Pd1 antibody sintilimab for dMMR/MSI-H locally advanced rectal cancer: An open-label, phase 2, single-arm study (cohort A).

First Author: Gong Chen, MD, PhD

Abstract e15603: Effect of hyperlipidemia in patients with a history of colon cancer.

First Author: Zahid Tarar, MD

Abstract e15604: Retrospective cohort of total neoadjuvant therapy (TNT) in high-risk locally advanced rectal cancer (HR-LARC): Additional sintilimab (PD-1) in tri-modality approach.

First Author: Yingjie Li

Abstract e15605: Association of colon adenocarcinoma in situ in polyp with subsequent colon cancer: A population-based retrospective study.

First Author: Shuai Wang, MD

Abstract e15607: A study on the genomic alterations of transformation from colorectal adenoma to colorectal cancer.

First Author: Qingjian Chen, PhD

Abstract e15608: Mutation profile of DNA damage response genes in Chinese colorectal cancer patients and its association with TMB and MSI.

First Author: Meiling Yang

Abstract e15609: Association of antibiotic exposure with the mortality in bevacizumab-treated metastatic colorectal cancer: A secondary analysis from Dryad database.

First Author: Chenyu Sun, MSc, MD

Abstract e15610: Effect of prolonged exposition to growth factors differently on proliferation of CRC cell cultures encapsulated in alginate.

First Author: Svetlana Yu. Filippova

Abstract e15611: Clinical and mutational profile of ARID1A-mutated gastrointestinal cancers: Duration of response to platinum-based chemotherapy.

First Author: Sara J. Khosrowjerdi, MD

Abstract e15612: System inflammation markers of resectable colorectal cancer patients with different mismatch repair gene status.

First Author: Li Jingjing

Abstract e15613: A novel outpatient regimen in management of fluoropyrimidine-induced cardiotoxicity.

First Author: Anup Kasi, MD, MPH

## **Gastrointestinal Cancer—Gastroesophageal, Pancreatic, and Hepatobiliary**

Abstract e16000: Clinical features, treatments and survival of HER2 positive gastric cancer with elevated alpha-fetoprotein: An analysis of 16 cases.

First Author: Shaohua Ge

Abstract e16001: Intratumoral T cell clonality and survival in a randomized phase II study of preoperative autophagy inhibition in combination with gemcitabine and nab-paclitaxel treatment in patients with resectable pancreatic cancer.

First Author: Pranav Murthy, MS

Abstract e16002: Effects of prognostic nutrition index on side effects and prognosis of radiotherapy and chemotherapy after radical gastrectomy.

First Author: Jiyu Liu

Abstract e16004: Adjuvant chemotherapy for gastric cancer patients with mismatch repair deficiency or microsatellite instability.

First Author: Run-Cong Nie, PhD

Abstract e16005: The preliminary efficacy of KN026 (Anti-HER2 BsAb) in advanced gastric and gastroesophageal junction cancer patients with HER2 expression.

First Author: Jianming Xu, MD

Abstract e16006: A phase 1b multicenter study of trifluridine/tipiracil (FTD/TPI) in combination with irinotecan (IRI) in patients (pts) with metastatic or unresectable gastric and gastroesophageal adenocarcinoma (mGEC) after at least one line of treatment with a fluoropyrimidine and platinum (FP) containing regimen.

First Author: Farshid Dayyani, MD, PhD

Abstract e16007: Survival impact among occidental patients with metastatic gastric cancer (mGC) treated with ramucirumab as second line treatment (2L): Local experience of a teaching hospital in Chile.

First Author: Carlos Salinas, MD

Abstract e16008: A real-world clinical study of camrelizumab in the treatment of esophageal cancer.

First Author: Guoping Sun

Abstract e16009: Pyrotinib combined with SHR6390 in the treatment of refractory advanced HER2 positive gastric cancer or solid tumors: Safety and efficacy results from a phase Id trial.

First Author: Dan Liu, MD

Abstract e16010: Preoperative chemotherapy combined with PD-1 inhibitor in locally advanced operable or potentially resectable esophageal squamous cell carcinoma: A real world study.  
First Author: Puyuan Wu, MD

Abstract e16011: Polymorphism of genes of hemostasis system and methionin exchange in patients with gastrointestinal tumors.  
First Author: Oleg I. Kit

Abstract e16012: The anti-cancer effect of statins in obese esophageal cancer patients undergoing esophagectomy.  
First Author: Eihab N Abdelfatah, MD

Abstract e16013: Update results of paclitaxel and cisplatin in combination with anlotinib as first-line regimen for patients with advanced ESCC: A multicenter, single-arm, open-label phase II clinical trial.  
First Author: Junsheng Wang

Abstract e16014: PD-1 antibody (Camrelizumab) for metastatic EBV positive gastric cancer: A prospective single-arm, open-label, phase 2 trial.  
First Author: Miaozen Qiu, MD

Abstract e16015: Efficacy and safety of toripalimab combination with SOX regimen as a first-line treatment in patients with unresectable locally advanced or recurrent/metastatic gastric/gastroesophageal junction cancer: Preliminary data from a single-armed, exploratory study.  
First Author: Xiaolin Lin

Abstract e16016: The microbial characteristics of patients with esophageal squamous cell carcinoma before and after immunotherapy.  
First Author: Jing Zuo, MD, PhD

Abstract e16017: Camrelizumab combined with SOX regimen in the first-line treatment of unresectable advanced or recurrent gastric cancer: A single-arm, prospective, open clinical study.  
First Author: Zhengxiang Han

Abstract e16018: Efficacy and safety of intermittent versus continuous dosing schedule of apatinib combined with docetaxel as second-line treatment for advanced gastric cancer.  
First Author: Yifu He

Abstract e16019: A prospective, randomized, controlled, multicenter study of apatinib combined with S-1 plus docetaxel as adjuvant therapy for locally advanced gastric cancer.  
First Author: Zhili Shan

Abstract e16020: Efficacy and safety of camrelizumab combined with FLOT versus FLOT alone as neoadjuvant therapy in patients with resectable locally advanced gastric and gastroesophageal junction adenocarcinoma who received D2 radical gastrectomy.

First Author: Ning Liu

Abstract e16021: Camrelizumab combined with albumin paclitaxel and cisplatin as neoadjuvant therapy for locally advanced esophageal squamous cell carcinoma (ESCC).

First Author: Huilai Lv

Abstract e16022: Apatinib plus paclitaxel versus placebo plus paclitaxel as second-line therapy in patients with gastric cancer with peritoneal carcinomatosis: A double-blind, randomized phase II trial.

First Author: Fenghua Wang, MD, PhD

Abstract e16023: Real-world clinical effectiveness and safety of camrelizumab in esophageal squamous cell carcinoma.

First Author: Qiwei Yao

Abstract e16024: Lymph node metastases of gastric cancer and blood cell circuit.

First Author: Oleg Kshivets, MD, PhD

Abstract e16025: Association of genomic characterization with clinical benefits of anti-PD-1 antibody combined with FOLFOX as neoadjuvant therapy on locally advanced gastric or gastroesophageal junction adenocarcinoma.

First Author: Ying Liu, MD

Abstract e16026: Detection of genes related to peritoneal metastasis of primary gastric cancer based on large-panel Next Generation Sequencing.

First Author: Si Tao

Abstract e16027: Discovery and validation of methylation signatures in circulating cell-free DNA for early detection of esophageal cancer: A case-control study.

First Author: Weitao Zhuang

Abstract e16028: Correlation of E- and N-cadherin expressions as a prognostic factor in metastatic and nonmetastatic gastric tumors.

First Author: Elena P. Ulianova

Abstract e16029: Phase-II study of toripalimab combined with neoadjuvant chemotherapy for the treatment of resectable esophageal squamous cell carcinoma.

First Author: Delin Liu

Abstract e16030: Changes in neutrophil /lymphocyte ratio and platelet count after chemotherapy correlate with chemotherapy response and prediction of prognosis in patients

with advanced gastric cancer.

First Author: Yibing Liu, doctorate

Abstract e16032: Efficacy and safety of PD-1 inhibitors as first- and second- line treatments for advanced gastroesophageal cancers: A network meta-analysis of phase III clinical trials.

First Author: Laercio Lopes Da Silva, MD

Abstract e16033: Camrelizumab combined with paclitaxel and nedaplatin as neoadjuvant therapy for locally advanced esophageal squamous cell carcinoma (ESPRIT): A phase II, single-arm, exploratory research.

First Author: Jianqun Ma

Abstract e16034: Safety and efficacy of apatinib as third or later line treatment for advanced gastric cancer or gastroesophageal junction adenocarcinoma: A post-marketing phase IV study.

First Author: Jin Li

Abstract e16035: The association of renal function with safety and efficacy of cisplatin plus S-1 (CS) therapy and docetaxel plus cisplatin plus S-1 (DCS) therapy in patients with advanced gastric cancer (AGC): An additional analysis of JCOG1013.

First Author: Shuichi Hironaka, MD, PhD

Abstract e16037: Clinical effectiveness of apatinib at different doses in patients with advanced gastric cancer as the third-line or further treatment: Results from a post-marketing phase IV study.

First Author: Jin Li

Abstract e16038: A nutritional management algorithm in older patients with locally advanced esophageal cancer.

First Author: Ryan H. Moy, MD, PhD

Abstract e16040: Phase II trial of surufatinib plus toripalimab for disease progression after first-line chemotherapy with platinum and fluoropyrimidine in advanced gastric or gastroesophageal junction adenocarcinoma.

First Author: Lin Shen, MD

Abstract e16041: CO-STAR: Surgical conversion feasibility trial of sintilimab (PD-1 inhibitor) combined with Nab-PTX, S-1 and apatinib for the first-line treatment of stage IV gastric cancer (GC).

First Author: Qiang Xue

Abstract e16042: Genomic profiling of esophageal squamous cell carcinoma to reveal actionable genetic alterations.

First Author: Fang Liu, MD

Abstract e16043: The efficacy and safety of toripalimab combined with definitive chemoradiotherapy for patients with locally advanced esophageal squamous cell carcinoma.  
First Author: Mian Xi, MD

Abstract e16045: Impact of PD-L1 combined positive score (CPS) on clinical response to nivolumab in patients with advanced esophageal squamous cell carcinoma.  
First Author: Yuki Matsubara, MD

Abstract e16046: Safety and efficacy of anti-EGFR monoclonal antibody (SCT200) as second-line therapy in advanced esophageal squamous cell cancer.  
First Author: Ming Bai

Abstract e16047: Impact of low skeletal muscle mass and density on outcomes of locally advanced esophageal cancer patients treated with radical radiotherapy.  
First Author: Jiahua Lv

Abstract e16048: Association between timely targeted therapy initiation and clinical outcomes in patients with advanced HER2+ gastroesophageal adenocarcinoma.  
First Author: Kelsey S. Lau-Min, MD

Abstract e16051: Effects of formula composed of active monomers of removing heat and phlegm prescription on malignant phenotypes and growth signaling in esophageal carcinoma cells.  
First Author: Fuchun Si Sr., PhD

Abstract e16052: Effects of Qingre Huatan Huoxue prescription on biological characteristics and cell cycle proteins of esophageal cancer stem cells.  
First Author: Fuchun Si Sr., PhD

Abstract e16053: Molecular characterization of amplification of 11q13 region in patients with operable esophageal squamous cell carcinoma.  
First Author: Shuoyan Liu

Abstract e16054: Time to review the role of intraluminal brachytherapy for dose escalation after concurrent chemoradiation in cancer esophagus: A retrospective audit.  
First Author: Ankita Mehta, MD

Abstract e16055: Investigation of prognostic factors for second-line treatment with nivolumab for unresectable or recurrent esophageal cancer.  
First Author: Takashi Ogata, MD, PhD

Abstract e16057: Minimally invasive or open oesophagectomy for localized oesophageal cancer: Results of the ROMIO phase 3 randomized controlled trial.  
First Author: Jane M. Blazeby, MD

Abstract e16059: A phase 1 multicenter, dose expansion study of ARX788 as monotherapy in patients with HER2-positive advanced gastric and gastroesophageal junction adenocarcinoma (ACE-Gastric-01).

First Author: Yang Zhang, MD

Abstract e16060: Predictors of survival after metastasectomy of oligometastatic recurrence following gastroesophageal cancer treatment.

First Author: Malcolm MacKenzie, MD

Abstract e16061: TRG as indicator of efficacy of FLOT versus FOLFOX in perioperative chemotherapy for resectable gastric cancer patients (single institution experience).

First Author: Natalia P. Beliak

Abstract e16062: Assessment of the prognostic significance of clinical and morphological factors on the survival of patients with locally advanced gastric cancer after radical surgical treatment: The experience of the Russian Center.

First Author: Natalia P. Beliak

Abstract e16063: Phase 2 study of zolbetuximab plus mFOLFOX6 in claudin 18.2-positive locally advanced or metastatic gastric or gastroesophageal junction adenocarcinoma (G/GEJ): ILUSTRO cohort 2.

First Author: Samuel J Klempner, MD

Abstract e16064: Prevalence-adjusted trends in U.S. healthcare spending on upper gastrointestinal cancers, 1996 to 2016.

First Author: Igor Stukalin, MD

Abstract e16065: HERIZON: A phase 1B/2 open-label study of imu-131 HER2/neu peptide vaccine PLUS standard of care chemotherapy with randomization in phase 2 in patients with HER2/neu overexpressing metastatic or advanced adenocarcinoma of the stomach or gastroesophageal junction.

First Author: Rita Laeufle, MD, PhD

Abstract e16066: Profiling genomic characteristics related to immunotherapy for gastric cancer with amplified *MET*.

First Author: Yiyi Yu

Abstract e16067: Predictors of clinical outcomes in patients undergoing curative treatment for esophageal or gastroesophageal junction adenocarcinoma.

First Author: Tara Magge, MD

Abstract e16068: Optimizing the program of sequential chemotherapy for advanced gastric cancer based on gene-level CNVs called from ctDNA.

First Author: Wenqi Xi

Abstract e16070: Prognostic value of subclassification of pT2 stage in patients with gastric cancer.

First Author: Kang He

Abstract e16071: Development and validation of a nomogram for distant metastasis in esophageal cancer based on radiomics and clinical factors.

First Author: Zhu Chao, MD

Abstract e16072: Camrelizumab in combination with preoperative chemotherapy for locally advanced esophageal squamous cell carcinoma: A single-arm, open-label, phase II study.

First Author: Feng Wang

Abstract e16073: Analysis of DNA damage response gene signature for prognosis prediction of esophageal squamous cell carcinoma.

First Author: Weitao Zhuang

Abstract e16074: Digital histological markers based on routine H&E slides to predict benefit from maintenance immunotherapy in esophagogastric adenocarcinoma.

First Author: Quoc Dang Vu

Abstract e16075: Neutrophil to lymphocyte ratio (NLR), platelet to lymphocyte ratio (PLR) and hemoglobin (Hb) predict immunotherapy outcomes in patients with advanced or metastatic gastric cancer.

First Author: Miaomiao Gou

Abstract e16076: Neoadjuvant programmed death-1 blockade plus chemotherapy in locally advanced esophageal squamous cell carcinoma.

First Author: Xu Zhang, MD, PhD

Abstract e16077: Molecular characteristic of proximal and distal esophagogastric junction adenocarcinomas.

First Author: Lin Xu Sr., Doctor

Abstract e16078: Effect of ethnicity and chemotherapy (mFOLFOX6) on zolbetuximab pharmacokinetics in patients with claudin 18.2-positive locally advanced or metastatic gastric or gastroesophageal junction adenocarcinoma (G/GEJ).

First Author: Keun-Wook Lee, MD

Abstract e16079: Cost-effectiveness analysis of gastric cancer management using perioperative chemotherapy versus adjuvant chemoradiation therapy.

First Author: Vishnu Prasath, MS

Abstract e16080: Chemotherapy (paclitaxel or irinotecan), plus apatinib and sintilimab as second-/third-line treatment for advanced gastric cancer.

First Author: Ting Deng

Abstract e16082: Clinical relevance of clonal hematopoiesis in metastatic gastrointestinal malignancies.

First Author: Bill DiPlas, MD, PhD

Abstract e16083: Role of adjuvant therapy in esophageal cancer patients after neoadjuvant therapy and curative esophagectomy: A systematic review and meta-analysis.

First Author: Yung Lee, MD

Abstract e16084: A noninvasive gastric cancer Her2 test using surrogate methylation markers.

First Author: Xin Liu

Abstract e16085: Treatment outcomes for stage T1b-2 esophagogastric adenocarcinomas.

First Author: Maria Diab, MD

Abstract e16086: HER2-low and gastric cancer: A prognostic biomarker?

First Author: Bruno Cezar de Mendonça Uchôa Jr., MD

Abstract e16089: Income-inequality and rate of doctors per inhabitant and their influence on esophageal cancer mortality in Brazil.

First Author: Jean Henri Schoueri, MD

Abstract e16091: Cellworks Omics Biology Model (CBM) to predict therapy response and identify novel biomarkers for 5FU-based combination therapy in gastric cancer patients.

First Author: Michael Castro, MD

Abstract e16092: Irradiated esophageal squamous cell carcinoma cells induced the increase of Treg by TGF-beta.

First Author: Yuan Wang, master

Abstract e16093: Improved lymph node metastasis prediction from preoperative esophageal squamous cell cancer CT by graph attention convolutional neural network (GACNN).

First Author: Mingjun Ding

Abstract e16094: Sensitive and dynamic CTCs measurement for prediction and monitoring of PD-1 therapy in GC/EGJC patients: Results from a pilot phase 2 study.

First Author: Qing Wei

Abstract e16095: The epidemiological trend of esophageal cancer in Mumbai, India over the past two decades.

First Author: Anbarasan Sekar, MBBS, MD

Abstract e16096: Integrated DNA and RNA sequencing to reveal early drivers of metastasis in gastric cancer.

First Author: Jieyun Zhang, MD

Abstract e16097: Phase I study of liposomal irinotecan (LY01610) in patients with advanced esophageal squamous cell carcinoma.

First Author: Yun Liu, MD

Abstract e16098: Matched therapies for advanced gastric cancer based on genotype: A real-world study in China.

First Author: Qin Liu, M.D, Ph.D

Abstract e16099: Phase II study of combining immunotherapy and pulsed low dose rate radiotherapy for abdominal metastasis of gastric cancer.

First Author: Yang Yang, MD, MS

Abstract e16100: Contemporary trends and survival outcomes of females with esophageal cancer in the United States.

First Author: Camille Baumrucker, BSc

Abstract e16101: Germline HLA-B evolutionary divergence to influence efficacy of immune checkpoint blockade therapy in gastrointestinal cancer.

First Author: Zhihao Lu, MD

Abstract e16102: LDH as prognostic factor in second line treatment for advanced gastric cancer: The LINE study.

First Author: Anna Michelotti, MD

Abstract e16104: Clinical experience: FOLFIRI/XELIRI after failure of a fluoropyrimidine/platinum combination regimen in advanced gastroesophageal adenocarcinoma.

First Author: Inês Leão, MD

Abstract e16105: Clinicopathological characteristics of patients with HER2-positive gastric and gastroesophageal junction cancer in a single tertiary hospital.

First Author: Efrain Isaias Camarin Sanchez, MD

Abstract e16106: A nationwide analysis of inpatient outcomes and healthcare utilization in HIV versus non-HIV patients with esophageal cancer.

First Author: Syed Ali Amir Sherazi, MD

Abstract e16107: Pre-treatment status of inflammation-based biomarkers in the patients with advanced gastric cancer who will be treated with nivolumab.

First Author: Tetsuya Kusumoto, FACS, MD, PhD

Abstract e16108: Genomic profiling of Chinese esophageal squamous cell carcinoma patients and difference of genomic mutation between Chinese and American cohorts.

First Author: Lin Li, MM

Abstract e16109: Predictors of 30-day readmission rate after total gastrectomy in patients with gastric malignancy.

First Author: Miguel Salazar

Abstract e16110: Prolonged overall survival observed in patients with locally advanced gastric cancer receiving prophylactic simplified heated intraperitoneal chemotherapy after D2 surgery.

First Author: Junchi Cheng

Abstract e16111: Preoperative pembrolizumab for MSI high, EBV positive or PD-L1 positive locally advanced gastric cancer followed by surgery and adjuvant chemoradiation with pembrolizumab: Interim results of a phase 2 multi-center trial (*NCT03257163*).

First Author: Timothy Kennedy, MD

Abstract e16113: Clinical efficacy and safety of proton beam or photon radiation in combination with immune checkpoint inhibitors in patients with advanced hepatocellular carcinoma.

First Author: Chung Wei Su

Abstract e16114: Camrelizumab in combination with TACE for the treatment of unresectable hepatocellular carcinoma (HCC): A multicenter, single-arm, prospective real-world study.

First Author: Ran You

Abstract e16115: Liver regeneration after radiotherapy in patients with hepatocellular carcinoma: A simple-to-use model and nomogram.

First Author: Ting-Shi Su, MD

Abstract e16116: Transjugular intrahepatic portosystemic shunt plus sequential systemic therapy for advanced hepatocellular carcinoma with tumor thrombus-related symptomatic portal hypertension: A multicenter retrospective study.

First Author: Zhenkang Qiu, MD

Abstract e16117: Combining radiation therapy with anti-PD-1 for patients with advanced hepatocellular carcinoma: An open-label, single-center, single-arm clinical study.

First Author: Jian-Xu Li

Abstract e16118: A multicenter observational study of lenvatinib for unresectable hepatocellular carcinoma in Japan.

First Author: Namiki Izumi, MD, PhD

Abstract e16119: Impact of bodyweight (BW)-based starting doses on safety and efficacy of lenvatinib (LEN) in patients (pts) with hepatocellular carcinoma (HCC).

First Author: Takuji Okusaka, MD

Abstract e16120: Correlation of patient characteristics with clinical outcomes of camrelizumab combined with apatinib for unresectable hepatocellular carcinoma (uHCC): An observational retrospective analysis.

First Author: Gang Liu

Abstract e16121: A real-world study of camrelizumab in the treatment of hepatocellular carcinoma.

First Author: Yong-Yi Zeng

Abstract e16122: Landmark analysis of overall survival (OS) by objective response (OR) in previously treated patients (pts) with advanced hepatocellular carcinoma (aHCC): Post hoc analysis of the randomized, phase 3 KEYNOTE-240 study.

First Author: Andrew X. Zhu, MD, PhD

Abstract e16123: A single-arm, multicenter, open-label phase 2 trial of surufatinib in patients with unresectable or metastatic biliary tract cancer.

First Author: Yuxian Bai, MD, PhD

Abstract e16124: Triple combination therapy comprising angiogenesis inhibitors, anti-PD-1 antibodies, and hepatic arterial infusion chemotherapy in patients with advanced hepatocellular carcinoma.

First Author: Ti Zhang

Abstract e16125: Preliminary results of the phase II ALTER-H004: Anlotinib combined with TACE as adjuvant therapy in hepatocellular carcinoma patients at high risk of post surgery recurrence.

First Author: Zheng Wu

Abstract e16126: Efficacy and biomarker analysis of neoadjuvant carrizumab plus apatinib in patients with local advanced biliary tract cancers.

First Author: Jian-hua Rao

Abstract e16127: A retrospective study on the efficacy and safety of sorafenib or lenvatinib combined with sintilimab in patients with advanced hepatocellular carcinoma.

First Author: Zhen Zeng

Abstract e16128: Comprehensive molecular characterization of Chinese patients with intrahepatic and extrahepatic cholangiocarcinoma.

First Author: Bin Yi

Abstract e16129: Real-world effectiveness of lenvatinib monotherapy among previously treated unresectable hepatocellular carcinoma patients in United States clinical practices.

First Author: Amit G. Singal, MD

Abstract e16130: Updated results of the phase II ALTER-H003 trial: Anlotinib plus toripalimab as a first-line treatment for patients with unresectable hepatocellular carcinoma.

First Author: Haifeng Lin

Abstract e16131: PRIME-HCC: Phase Ib study of neoadjuvant ipilimumab and nivolumab prior to liver resection for hepatocellular carcinoma.

First Author: David James Pinato, MD, PhD, MRCP

Abstract e16132: Conversion hepatectomy for hepatocellular carcinoma with inadequate future- remnant- liver after portal vein ligation in combination with apatinib plus camrelizimab: A single-arm prospective pilot study (PLACES).

First Author: Zhiming Zeng

Abstract e16133: Trends in primary gallbladder cancer incidence and incidence-based mortality in the United States, 1973 to 2015.

First Author: Soon Khai Low, MBBS

Abstract e16134: The PATH score based on pathological grade predicts survival of patients with advanced hepatocellular carcinoma after hepatic arterial infusion chemotherapy.

First Author: Jinfa Lai, MA.Sc

Abstract e16135: Upfront or add-on combination therapeutic strategy exploration in unresectable hepatocellular carcinoma using sorafenib plus sintilimab: A retrospective analysis of real-world evidence.

First Author: Jiamin Cheng

Abstract e16136: A phase 2 trial of apatinib combined with intensity modulated radiation therapy for patients with unresectable hepatocellular carcinoma.

First Author: Shaobo Ke

Abstract e16137: Acceleration of blood-based circulating cell-free DNA epigenetic age among HIV-infected patients with hepatocellular carcinoma in Nigeria.

First Author: Yinan Zheng

Abstract e16138: Lenvatinib plus pembrolizumab versus lenvatinib in patients with unresectable hepatocellular carcinoma: A real world study.

First Author: I-Cheng Lee

Abstract e16139: A novel sub-staging system for prognosis prediction of Barcelona clinic liver cancer C stage hepatocellular carcinoma: 10 years observational study.

First Author: Zhiqiang Mo

Abstract e16140: Molecular characteristics of patients with resectable hepatocellular carcinoma.

First Author: Daobing Zeng

Abstract e16141: Utilization of hepatocellular carcinoma surveillance programs in patients with cirrhosis: A systematic review and meta-analysis.

First Author: Jameel Kenneth Singh, MD, MSc

Abstract e16142: Impact of lenvatinib (LEN) dose-intensity and starting dose on survival among patients with advanced hepatocellular carcinoma (HCC): Results from a Canadian multicenter database (HCC CHORD).

First Author: Carla Pires Amaro, MD

Abstract e16143: Evaluation of somatic and germline mutations in Chinese patients with gallbladder carcinoma reveals clinically actionable targets.

First Author: Wenhui Yang, MD

Abstract e16144: Radiological response as a predictor of pathological response to combined tyrosine kinase inhibitor (TKI) and anti-PD-1 antibodies in hepatocellular carcinoma (HCC).

First Author: Hui-Chuan Sun

Abstract e16146: Sintilimab plus anlotinib as first-line therapy in patients (pts) with advanced hepatocellular carcinoma (aHCC).

First Author: Xiaofeng Chen

Abstract e16147: Treatment patterns and outcomes of locally advanced gall bladder cancer: A National Cancer Database (NCDB) analysis.

First Author: Pragnan Kancharla, MBBS

Abstract e16149: Healthcare utilization and costs in hepatocellular carcinoma (HCC) patients treated at a large referral center in Washington (WA) State.

First Author: Veena Shankaran, MD

Abstract e16150: A pilot study of the combination of checkpoint inhibition with ablation in subjects with biliary tract cancer.

First Author: Rebecca Wetzel, DO

Abstract e16151: The comparative efficacy of atezolizumab and bevacizumab versus lenvatinib in patients with unresectable hepatocellular carcinoma (uHCC).

First Author: David Trueman, MSc

Abstract e16152: Combined treatment with iodine-125 (125I) seed strand and transarterial chemoembolization (TACE) plus lenvatinib with anti-PD-1 antibodies in patients with unresectable hepatocellular carcinoma (uHCC) and portal vein tumor thrombus (PVTT): Real-world experience in China.

First Author: Zi-Han Zhang

Abstract e16153: Epigenomic analysis of biliary tract cancer identifies subtypes with different immune characteristics and clinical outcomes.

First Author: Zhiquan Qiu

Abstract e16155: A new staging system for radiotherapy-based treatment of hepatocellular carcinoma: A multicenter cohort study.

First Author: Ting-Shi Su, MD

Abstract e16156: Serum neutrophil/lymphocyte ratio as a potential predictor of treatment response for immune checkpoint inhibitors in patients with advanced hepatocellular carcinoma.

First Author: Jian He

Abstract e16157: A prognostic model to predict survival after hepatic arterial infusion chemotherapy for hepatocellular carcinoma with portal vein invasion.

First Author: Jian He

Abstract e16158: Blood tests to predict one- to two-year survival of patients with difficult cancers.

First Author: Robert L. De Jager, MD, FACP

Abstract e16159: Analysis of DNA damage repair pathway genes as a predictive biomarker for HAIC in hepatocellular carcinoma.

First Author: Qicong Mai

Abstract e16160: Moderate dose serial therapy for aged and resistant patients with cholangiocarcinomas.

First Author: Howard Bruckner, MD

Abstract e16161: Novel systemic therapies in the treatment of fibrolamellar carcinoma.

First Author: Sara Gottlieb

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First Author: Sunghwan Yoo

Abstract e16163: Phase II study of lenvatinib in combination with GEMOX chemotherapy for advanced intrahepatic cholangiocarcinoma.

First Author: Guo-Ming Shi

Abstract e16164: Comparative mutational analysis of biliary tract cancers.  
First Author: Zhiquan Qiu

Abstract e16165: Association of gut microbiota and metabolites with tumor response to immune checkpoint inhibitors in patients with unresectable hepatocellular carcinoma.  
First Author: Pei-Chang Lee

Abstract e16166: Characteristics, management and outcomes of patients with hepatocarcinoma in a low-income country.  
First Author: Jennifer Dominguez, MD

Abstract e16167: Improving the diagnostic yield of biliary stricture biopsies using a directional atherectomy device.  
First Author: Glynn Weldon Gilcrease, MD

Abstract e16168: Impact of hospital type and surgical volume on outcomes of biliary cancer resection.  
First Author: Jasmeet Kaur, MD

Abstract e16169: Computational extraction and analysis of de-identified medical records to characterize hyperammonemia in patients with fibrolamellar carcinoma (FLC).  
First Author: Travis Zack

Abstract e16170: Toripalimab with chemotherapy as first-line treatment for advanced biliary tract tumors: Update analytic results of an open-label phase II clinical study (JS001-ZS-BC001).  
First Author: Wei Li

Abstract e16172: Prognostic value of dickkopf-1 and  $\beta$ -catenin expression according to the antitumor immunity of CD8-positive tumor-infiltrating lymphocytes in biliary tract cancer.  
First Author: Seoree Kim

Abstract e16173: PD-1 inhibitor combined with lenvatinib for unresectable liver cancer as the conversion therapy: An open-label, non-randomized, phase IV study.  
First Author: Wenwen Zhang, MD, PhD,

Abstract e16175: First-in-human phase I, pharmacokinetic (PK), and pharmacodynamic (PD) study of oral GNS561, a palmitoyl-protein thioesterase 1 (PPT1) inhibitor, in patients with primary and secondary liver malignancies.  
First Author: James J. Harding, MD

Abstract e16176: Molecular alterations, tumor microenvironment and clinical correlations in Thai cholangiocarcinoma patients.  
First Author: Panuchai Bamrungwong, MD

Abstract e16177: Unexpected gallbladder cancer as the source of some unknown primary cancers.

First Author: Xiaowei Zhang

Abstract e16178: Neoadjuvant radiotherapy to improve overall survival in resectable hepatocellular carcinoma.

First Author: Zhiwen Luo

Abstract e16179: Cabozantinib in advanced HCC patients previously treated with immune checkpoint inhibitors: A territory-wide cohort study.

First Author: Jeffrey Sum Lung Wong

Abstract e16180: Comprehensive genomic profiling analysis of HBV-infected hepatocellular carcinoma patients.

First Author: Xiaoliang Liu

Abstract e16181: Outcomes of tyrosine kinase inhibitors after immunotherapy in advanced hepatocellular carcinoma: A multi-center study.

First Author: Thomas Yau, MD

Abstract e16182: The efficacy and safety of lenvatinib for advanced hepatocellular carcinoma in China: A retrospective, real-world study.

First Author: Xin-Rong Yang, MD, PhD

Abstract e16183: A phase I study of nivolumab (NIVO) in combination with TheraSphere (Yttrium-90) in patients with advanced hepatocellular cancer.

First Author: Sarah Elizabeth Fenton, MD, PhD

Abstract e16184: Nivolumab/pembrolizumab in Child-Pugh grade B/C patients with advanced HCC.

First Author: Jeffrey Sum Lung Wong

Abstract e16185: Detection of FGFR fusions in intrahepatic cholangiocarcinoma using targeted RNA sequencing.

First Author: Maria Farooq

Abstract e16186: Association between antibiotic exposure and survival in patients with hepatocellular carcinoma treated with nivolumab.

First Author: Kanan Alshammari

Abstract e16187: Genomic profiling of biliary tract cancers to reveal clinically actionable genes and therapeutic biomarkers.

First Author: Yang Shao

Abstract e16188: Anchored matching-adjusted indirect comparison (MAIC) of regorafenib (REG) versus cabozantinib (CAB) in advanced hepatocellular carcinoma (HCC).

First Author: Irina Proskorovsky, MSc

Abstract e16189: Healthcare utilization and outcomes in HIV versus non-HIV patients with hepatocellular cancer: A nationwide analysis.

First Author: Jennifer C Asotibe, MD

Abstract e16190: Metronomic oral cyclophosphamide & low dose nivolumab for advanced hepatocellular carcinoma (HCC).

First Author: Jo-Pai Chen

Abstract e16191: Immune related biomarkers in biliary tract cancers (BTC).

First Author: Zoya Sandhu

Abstract e16192: Real-world efficacy and safety of lenvatinib-base therapy for patients with unresectable hepatocellular carcinoma in China: A multicenter retrospective analysis.

First Author: Qicong Mai

Abstract e16193: Predictors of 30-day readmission rate after liver transplant in patients with hepatocellular carcinoma.

First Author: Miguel Salazar

Abstract e16194: Efficacy of immunotherapy in hepatocholangiocarcinoma (HCC-CC): Proof of concept.

First Author: Osama Diab, MD

Abstract e16195: Application of radiotherapy before or during immunotherapy to enhance its efficacy in metastatic and recurrent liver cancer: A pilot study from the real-world data.

First Author: Bo Chen

Abstract e16196: Study of microsatellite instability in neuroendocrine tumors of pancreas and colon.

First Author: Vladimir S. Trifanov, MD, PhD

Abstract e16197: Methylation status of eight tumor suppressors in neuroendocrine pancreatic tumors.

First Author: Oleg I. Kit

Abstract e16198: <sup>177</sup>Lu-DOTATATE peptide receptor radionuclide therapy (PRRT) in patients with somatostatin-expressing neuroendocrine tumors: A real-world retrospective review of efficacy and safety from an Australian tertiary cancer Center.

First Author: Mark Nalder, FRACP, MBBS

Abstract e16199: Surufatinib in combination with toripalimab in patients with advanced neuroendocrine carcinoma: Results from a multicenter, open-label, single-arm, phase II trial.  
First Author: Lin Shen, MD

Abstract e16200: Treatments and ongoing monitoring for patients with neuroendocrine tumors, monitored by medical oncologists: Scan comparative data between advanced economies (AE) and emerging and developing economies (EDE).  
First Author: Christine Rodien-Louw, MA

Abstract e16201: Dual immune checkpoint blockade in advanced well-differentiated neuroendocrine tumors, a phase II clinical trial.  
First Author: Susan Combs Scott, MA, MD

Abstract e16202: Long-term survival and toxicity in patients with progressive advanced neuroendocrine tumors treated with lutetium peptide radiolabelled radiotherapy: A Western Australian long-term follow-up study.  
First Author: Kim Robyn Kennedy

Abstract e16203: Adjuvant chemotherapy in nonmetastatic goblet cell carcinomas: A population-based analysis.  
First Author: Valentina Tateo, MD

Abstract e16204: Randomized blinded study comparing injection site pain from octreotide long-acting-release (LAR) versus lanreotide during the treatment of well differentiated neuroendocrine tumors (WDNETs).  
First Author: Nitya Prabhakar Raj, MD

Abstract e16205: INTENSIVE: InterNaTional rEgistry oN Sars-cov-2 posItive nEuroendocrine neoplasm patients.  
First Author: Francesca Spada, PhD, MD

Abstract e16206: Survey results of patients with neuroendocrine cancer to find an overall high satisfaction with telemedicine and identify weaknesses of telemedicine unique to patients with rare cancers.  
First Author: Yvette Bren-Mattison, PhD

Abstract e16207: Molecular profiling of pancreatic neuroendocrine neoplasms (panNENs): A single-institution experience.  
First Author: Ibrahim Azar, MD

Abstract e16208: Incidence and patterns of secondary malignancies in patients with neuroendocrine neoplasms: A SEER database analysis.  
First Author: Meena Sadaps, MD

Abstract e16209: Outcomes of pancreatic ductal adenocarcinoma (PDAC) patients treated with neoadjuvant stereotactic body radiation therapy (SBRT) or conventionally fractionated radiation therapy (CFRT).

First Author: Fan Zhu, MD

Abstract e16210: A phase I open-label dose-escalation study of AL2846 in combination with gemcitabine in patients with locally advanced or metastatic pancreatic adenocarcinoma.

First Author: Rui Liu

Abstract e16211: Correlation of NFE2L2 mutation with higher tumor mutation burden (TMB), microsatellite instability (MSI) and PD-L1 expression in 3,716 cases of Chinese pan-cancer.

First Author: Bin Wu

Abstract e16212: Immunoregulation related gene of *CSMD2* and RNA activity as potential predictor of 2-year survival in pancreatic cancer: A DNA and RNA sequencing analysis.

First Author: Jiafei Yan

Abstract e16213: Toripalimab with nab-paclitaxel/gemcitabine as first-line treatment for advanced pancreatic adenocarcinoma: Updated results of a single-arm, open-label, phase Ib/II clinical study.

First Author: Ke Cheng

Abstract e16214: Prophylactic anticoagulation in pancreatic adenocarcinoma patients: A single tertiary care center retrospective quality improvement project.

First Author: Chelsea Peterson, DO

Abstract e16215: Digital PCR-based cell-free DNA K-Ras mutations analysis and clinical implication in pancreatic cancer.

First Author: Nahid Forouzandeh, MD

Abstract e16216: Development of DNA methylation markers for predicting the prognosis of pancreatic cancer.

First Author: Jian Zhou

Abstract e16217: Real-world neo-adjuvant with or without adjuvant treatment patterns among pancreatic ductal adenocarcinoma patients in the U.S.

First Author: Prakash Navaratnam, MPH, PhD

Abstract e16218: Anti-PD-1 antibody combined with albumin-bound paclitaxel and gemcitabine (AG) as first-line therapy and Anti-PD-1 monotherapy as maintenance in metastatic pancreatic ductal adenocarcinoma (PDAC).

First Author: Jiujiu Cui

Abstract e16219: Pancreatic cancer outcomes in Nova Scotia: Searching for small windows of opportunity.

First Author: Peiran Sun, BSc

Abstract e16220: Predictors of venous thromboembolic complications in patients with pancreatic cancer.

First Author: Oksana V. Katelnitskaya

Abstract e16221: New method of hepatic artery reconstruction after its injury or resection.

First Author: Oksana V. Katelnitskaya

Abstract e16224: Association of *TP53* mutation status and *GATA6* amplification with clinical outcome of pancreatic cancer.

First Author: Jung-In Yang, MD

Abstract e16226: Primary pancreatic adenocarcinoma (PPDA) and metastatic pancreatic adenocarcinoma (MPDA): Are they genomically distinct?

First Author: Sunny R. K. Singh, MD

Abstract e16228: Safety, tolerability and preliminary efficacy of CAN04, a first in class monoclonal antibody against IL1RAP, in combination with nab-paclitaxel and gemcitabine (NG) in subjects with pancreatic cancer.

First Author: Ahmad Awada, MD, PhD

Abstract e16229: The impact of first-line chemotherapy in elderly patients (pts) with advanced pancreatic cancer (APC): A mono-institutional retrospective study.

First Author: Marta Chiaravalli, MD

Abstract e16230: Neutrophil extracellular traps (NETs) and thrombosis (Thr) in pancreaticobiliary cancer (PBC).

First Author: Christos Fountzilias, MD, FACP

Abstract e16231: Hyaluronan heterogeneity in pancreatic ductal adenocarcinoma, primary tumors, and sites of metastasis.

First Author: Veronica Placencio-Hickok, PhD

Abstract e16232: Molecular subtypes of pancreatic adenocarcinoma stratified based on copy number variation profile.

First Author: Qian Zhan, PhD

Abstract e16233: Clinical outcomes in pancreatic ductal adenocarcinoma (PDAC) patients with underlying autoimmune disease (AID).

First Author: Gulrayz Ahmed

Abstract e16234: Homologous recombination repair gene mutations in Chinese pancreatic ductal adenocarcinoma patients.

First Author: Nengwen Ke, MD, PhD

Abstract e16235: Pancreatic hormones response-generated machine learning model to help distinguish sporadic pancreatic cancer from new-onset diabetes cohort.

First Author: Jiantong Bao, MD

Abstract e16236: Adjuvant therapy in patients with resected pancreatic adenocarcinoma: Analysis of treatment patterns in a Canadian provincial institution.

First Author: Manik Chahal, MD, PhD

Abstract e16237: Evaluating survival in patients with pancreatic adenocarcinoma and lung metastasis.

First Author: Jason Cham, MD

Abstract e16238: Clinical performance of blood-based RNA signatures (GemciTest) for the gemcitabine response in advanced pancreatic cancer.

First Author: David Piquemal, PhD

Abstract e16239: Phase I/II study of LDE225 in combination with gemcitabine and nab-paclitaxel in patients with metastatic pancreatic cancer.

First Author: Esther N. Pijnappel, MD

Abstract e16240: BRCA mutations and their clinical relevance in unselected pancreatic cancer population.

First Author: Viola Barucca

Abstract e16242: Improving outcomes and shared decisions in pancreatic cancer using animated pancreas patient (APP) visual formats of learning: A National Pancreas Foundation (NPF) patient education initiative.

First Author: Satish Munigala, MBBS, MPH

Abstract e16243: Positive association between *Helicobacter pylori* infection and pancreatic cancer: A case-control study.

First Author: Steve Otieno, MD, PhD

Abstract e16244: Dispersion in total cost of care for Medicare fee-for-service (FFS) patients with metastatic pancreatic cancer receiving FDA-approved/NCCN Category 1 regimens at teaching versus non-teaching institutions.

First Author: Helen Latimer, MPH

Abstract e16245: An internal review of rates of palliative medicine referral for patients with advanced pancreatic cancer.

First Author: Deanna Huffman

Abstract e16246: Cost-effectiveness analysis of platinum-based chemotherapy treatment options for germline BRCA-mutated locally advanced/borderline resectable pancreatic cancer.

First Author: Myles Ingram, BA

Abstract e16247: Surgical outcomes and rate of pathological response in resectable/borderline resectable pancreatic cancer patients undergoing neoadjuvant gemcitabine/nab-paclitaxel versus FOLFIRINOX: A retrospective institutional analysis.

First Author: Abraham Attah Attah

Abstract e16248: Real-world safety and medication use of second-line (2L) 5-fluorouracil (5-FU)-based regimens among patients (pts) with metastatic pancreatic ductal adenocarcinoma (mPDAC).

First Author: George P. Kim, MD

Abstract e16249: Real-world treatment and outcomes of frontline chemotherapy in patients with metastatic pancreatic cancer.

First Author: Salwan Al Mutar, MD

Abstract e16250: Real-world overall survival of patients diagnosed with recurrent versus de novo metastatic pancreatic ductal adenocarcinoma (PDAC).

First Author: Eileen Mary O'Reilly, MD

Abstract e16251: The association between real-world CA19-9 level monitoring patterns and with clinical outcomes among patients with metastatic pancreatic ductal adenocarcinoma (mPDAC) in the second- and third-line of therapy.

First Author: Ben George, MD

Abstract e16252: Assessing real-world survival outcomes of patients (pts) with metastatic pancreatic ductal adenocarcinoma (mPDAC) treated with first-line FOLFIRINOX compared to patients from a phase 1/2 trial treated with NALIRIFOX.

First Author: Xuelian Zhu, PhD

Abstract e16253: Pancreatic acinar cell carcinoma: A multi-center series on clinical characteristics and treatment outcomes.

First Author: Vishwajith Sridharan, MD, MBA

Abstract e16254: Impact of time to treatment initiation on real-world (RW) outcomes in metastatic pancreatic cancer (mPC) in the United States.

First Author: Olumide B. Gbolahan, MBBS

Abstract e16255: Anticoagulation outcomes in patients with venous thromboembolism following Whipple surgery for pancreatic cancer: Single center experience.  
First Author: Nino Balanchivadze, MD

Abstract e16256: Gasdermin C as a potential prognostic biomarker and its correlation with immune infiltration in pancreatic ductal adenocarcinoma.  
First Author: Xianghou Xia

Abstract e16257: Sindilimab combined with nab-paclitaxel plus gemcitabine as first-line treatment for patients with advanced pancreatic cancer.  
First Author: Huayun Zhu

Abstract e16258: An internal review of chemotherapy toxicities in patients with pancreatic cancer.  
First Author: Karthik Shankar

Abstract e16259: Clinical features and outcomes of colloid carcinoma of pancreas compared to pancreatic ductal adenocarcinoma.  
First Author: Lana Khalil, MD

Abstract e16260: Assessment of compliance with national guidelines in genetic testing and tumor profiling in patients diagnosed with pancreatic adenocarcinoma: A retrospective review.  
First Author: Karthik Shankar

Abstract e16261: Clinical outcomes and efficacy of endoscopic ultrasound guided ablation of pancreatic cancer a systematic review and a meta-analysis.  
First Author: Hamid Ehsan, MD

Abstract e16262: Humanized anti-DEspR monoclonal antibody to improve overall survival in xenograft pancreatic peritoneal carcinomatosis nude rat model.  
First Author: Christopher Gromisch

Abstract e16263: Prevalence of germline mutations in pancreatic carcinoma patients (PCP) unselected for family history (FH).  
First Author: Livia Munhoz Rodrigues, PhD student

Abstract e16264: G2M checkpoint signaling among six-cell proliferation-related pathway as a biomarker for prediction and prognosis in pancreatic cancer.  
First Author: Masanori Oshi, MD

Abstract e16265: Pancreatic cancer detection using EpiDetect signatures in plasma-derived cell free DNA in high-risk patients with new onset diabetes.  
First Author: Gulfem Guler, PhD

Abstract e16266: Efficacy of olaparib therapy in metastatic pancreatic ductal adenocarcinoma (PDAC) with homologous recombination deficiency (HRD).

First Author: Elaine Tan, MD

Abstract e16267: Kras mutation as a risk factor for venous thromboembolism in patients with metastatic pancreatic cancer.

First Author: Elena Serrano, Resident physician

Abstract e16268: A phase 1 study of neoadjuvant chemotherapy followed by concurrent chemoradiation with gemcitabine, sorafenib, and vorinostat in pancreatic cancer.

First Author: Andrew Stewart Poplepovic, MD

Abstract e16269: Relative dose intensity (RDI) of nab-P in gem+nab-P combination in pancreatic cancer treatment and the prognostic role of baseline NLR.

First Author: Hrishi Varayathu

Abstract e16271: Lipid and neutrophil accumulation and active inflammasome in high BMI tumor regions of human pancreatic ductal adenocarcinoma.

First Author: Ahmed Khattab, BS, MD

Abstract e16272: The role of selective internal radiation therapy for liver metastases from pancreatic adenocarcinoma after progression on prior chemotherapy.

First Author: Jonathan O Hackett, MBBCh

Abstract e16273: Early detection of pancreatic cancers by novel nanobiosensor-based protease biomarkers using hierarchical decision structure.

First Author: Anup Kasi, MD, MPH

Abstract e16274: Updated single institution outcome data from the first-in-human CEND-1 trial in metastatic pancreatic cancer.

First Author: Andrew Peter Dean, MD

Abstract e16276: Utility of chemotherapy given before and/or after cytoreductive surgery and hyperthermic intraperitoneal chemotherapy for appendiceal adenocarcinoma with peritoneal metastases.

First Author: Tyler Friedrich

Abstract e16277: Patient's characteristics and outcome of small bowel adenocarcinoma in Saudi Arabia.

First Author: Bader I Alshamsan, MBBS, MD

Abstract e16278: Efficacy and safety of MUC1 targeted CIK cells for the treatment of advanced liver cancer.

First Author: Yin Ying Lu

Abstract e16279: The comprehensive genomic profiling and PD-L1 expression of primary lymphoepithelioma-like carcinoma of the stomach.

First Author: Zhi Li

Abstract e16280: Circulating tumor DNA as a prognostic factor in peritoneal carcinomatosis after hyperthermic intraperitoneal chemotherapy.

First Author: Zongyuan Li

Abstract e16281: Frequency and risk factors for metastasis in newly diagnosed appendiceal carcinoma.

First Author: Ahmed Minhas, MD

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Abstract e16500: Accuracy of an urine-based liquid biopsy genetic test in detecting renal pelvic cancer.

First Author: Yansheng Xu

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First Author: Bruna Bighetti

Abstract e16502: Primary urachal carcinoma: A systematic review.

First Author: Dawood Findakly, MD

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First Author: Tao Zeng, PhD

Abstract e16504: Role of adjuvant chemotherapy in the treatment of patients with node-positive bladder adenocarcinoma: An analysis of the National Cancer Database.

First Author: Akshay G Reddy, B.S.

Abstract e16506: Is first-line immune checkpoint inhibitors (ICI) beneficial to platinum-eligible patients (pts) with advanced urothelial carcinoma (aUC)? a meta-analysis.

First Author: Ce Cheng, DO

Abstract e16507: The process of urinary bladder cancer recurrence in 33 patients with 113 tumors, analyzed by changes in IHC features of 80 pairs of subsequent tumors.

First Author: Sven Kurbel, MD, PhD

Abstract e16508: Parameters of local cellular immunity in patients with bladder cancer.

First Author: Lyubov I. Belyakova

Abstract e16509: A multicenter, prospective evaluation of a urine-based assay for bladder cancer diagnosis.

First Author: Liang Wang

Abstract e16510: Updated results of phase II trial using escalating doses of neoadjuvant atezolizumab for cisplatin-ineligible patients with nonmetastatic urothelial cancer (NCT02451423).

First Author: Divya V Natesan, BS

Abstract e16511: Cancer stem cells as markers of bladder cancer recurrence.

First Author: Lyubov I. Belyakova

Abstract e16512: The importance of evaluating long term responder fraction using complementary statistical approaches in immune checkpoint inhibitors phase III trials: An in-silico study using keynote 045 study.

First Author: Fanny Mathevet

Abstract e16513: Relationship between neutrophils/lymphocytes and tumor infiltrating lymphocytes stroma in patients with invasive muscle bladder cancer and the response to treatment.

First Author: Martin Eduardo Richardet, MD

Abstract e16514: Tracking minimal residual disease with urine tumor DNA in muscle-invasive bladder cancer after neoadjuvant chemotherapy.

First Author: Kevin Chen, BS

Abstract e16515: Efficacy of anti-PD(L)1 therapy for patients (Pts) with advanced urothelial carcinoma (aUC) with primary resistance to platinum-based chemotherapy (PC).

First Author: Tyler F. Stewart, MD

Abstract e16516: Patient outcomes following disease progression with enfortumab-vedotin (EV) in metastatic urothelial carcinoma (mUC).

First Author: Mohammed Ateeb Khan

Abstract e16517: Opioid use in locally advanced or metastatic urothelial carcinoma patients and matched non-cancer controls.

First Author: Simrun Kaur Grewal

Abstract e16518: Pathologic validation of artificial intelligence-powered prediction of combined positive score of PD-L1 immunohistochemistry in urothelial carcinoma.

First Author: Jeong Hwan Park

Abstract e16519: Detection of FGFR3 alt in plasma cfDNA in metastatic UC patients receiving Erda therapy.

First Author: Michal Sarfaty, MD

Abstract e16520: Prognostic value of galectin-1 and galectin-3 expression in local urothelial bladder cancer.

First Author: Jason Zhu, MD

Abstract e16521: Bladder cancer in young adults: Disease and treatment characteristics of patients treated at tertiary cancer center.

First Author: Ramiz Ahmad Abu-Hijlih, MD

Abstract e16522: Methotrexate, vinblastine, adriamycin, and cisplatin (MVAC) versus gemcitabine, and cisplatin (GC) as neoadjuvant chemotherapy in muscle-invasive bladder cancer, a systematic review and meta-analysis.

First Author: Raed Benkhadra

Abstract e16523: Meta analysis of arsenic exposed genes expression profiles to develop a bladder cancer predictor.

First Author: Sonalika Singhal

Abstract e16524: Three versus four cycles of neoadjuvant gemcitabine cisplatin for muscle invasive bladder cancer (MIBC).

First Author: Catherine Kendall Major, BBA

Abstract e16526: Outcomes of patients (pts) with advanced urothelial carcinoma (aUC) treated with immune checkpoint inhibitors (ICIs): Associations with age, race, sex and smoking history.

First Author: Dimitrios Makrakis, MD

Abstract e16527: Genome-wide circulating tumor DNA monitoring for bladder cancer treatment management and organ preservation.

First Author: Iver Nordentoft, MSc, PhD

Abstract e16528: *RNF43* mutations to predict survival from treatment with immune checkpoint inhibitors and are associated with a high tumor mutation burden in bladder cancer.

First Author: Liping Li

Abstract e16529: Clinical safety and activity of cabozantinib (CABO) plus durvalumab (DURVA) in patients (pts) with advanced urothelial carcinoma (UC) after platinum chemotherapy (ARCADIA): Preliminary results from a nonrandomized, open-label, phase 2 trial.

First Author: Patrizia Giannatempo, MD

Abstract e16530: Role of partial cystectomy for muscle invasive bladder cancer: Impact on morbidity and overall survival, a population-based study, 2006-2017.

First Author: Natasza Posielski, MD

Abstract e16531: Patterns and predictors of treatment in muscle-invasive bladder cancer (MIBC): A real-world study.

First Author: Zengqi Lu

Abstract e16532: FGFR testing from matched tissue and urine samples within the prospective real world clinico-pathological register trial BRIDGister.

First Author: Ralph M. Wirtz, Ph.D

Abstract e16533: Association of FGFR alterations with FGFR 1-4 gene expression in TUR biopsies and matched NMP22 urine levels in early bladder cancer of the prospective real world clinico-pathological register trial: BRIDGister.

First Author: Ralph M. Wirtz, Ph.D

Abstract e16534: Impact of clinicopathological features on survival in patients treated with immune-based combinations for metastatic urothelial carcinoma: A meta-analysis of randomized clinical trials.

First Author: Veronica Mollica, MD

Abstract e16535: Retrospective analysis of multiparametric MRI to predict complete pathologic response after neo-adjuvant chemotherapy for muscle invasive bladder cancer.

First Author: Daan De Maeseneer, MD

Abstract e16536: Tolerability of axitinib in advanced renal cell carcinoma: A meta-analysis.

First Author: Bareia Chaudhry

Abstract e16537: Subclassification of the intermediate-risk group in patients with advanced renal cell carcinoma.

First Author: Maria Zapata-Garcia, MD

Abstract e16538: Assessment of the alignment between research funding allocation and consensus research priority areas in kidney cancer.

First Author: Steven Lu

Abstract e16539: Cabozantinib versus other TKIs after CPI treatment in the real-world management of patients with mRCC.

First Author: Florence Marteau, MSc

Abstract e16540: Plasma and urine free glycosaminoglycans as monitoring and predictive biomarkers in metastatic renal cell carcinoma: A prospective observational study.

First Author: Francesco Gatto, MSc, PhD

Abstract e16542: Lenvatinib (LEN) + pembrolizumab (PEMBRO) treatment in patients (pts) with metastatic clear cell renal cell carcinoma (RCC): Final results of a phase 1b/2 trial.

First Author: Chung-Han Lee, MD, PhD

Abstract e16545: Feasibility of multiple immunoexpression assay for immune tumor microenvironment (I-TME) on matched metastatic and primary renal cell carcinoma (RCC) for patient prognostication and predictiveness to immunotherapy (preliminary analyses of the Meet URO 18 study).

First Author: Matteo Brunelli, MD, PhD

Abstract e16546: Baseline modified Glasgow prognostic score (mGPS) in patients with metastatic renal cell carcinoma (mRCC) treated with immune checkpoint inhibitors (ICI).

First Author: Jacqueline T Brown, MD

Abstract e16549: Comparative effectiveness of combination first-line therapies for metastatic renal cell carcinoma (mRCC).

First Author: Rebecca C. Shay, DO

Abstract e16550: Association of chronic use of proton pump inhibitors with an increased risk of immune checkpoint inhibitor-induced colitis in renal cell carcinoma.

First Author: Roy Elias, MD

Abstract e16553: TIVO-3: Age-related tolerability outcomes of tivozanib versus sorafenib in metastatic relapsed or refractory renal cell carcinoma, a subgroup analysis of the TIVO-3 clinical trial.

First Author: Bernard Escudier, MD

Abstract e16554: Prognostic and predictive value of vessels encapsulating tumor clusters (VETC) in renal cell carcinoma (RCC).

First Author: Salvatore Lorenzo Renne, MD

Abstract e16555: Exploring the synergistic effects of cabozantinib (cabo) and a programmed cell death protein 1 (PD1) inhibitor in metastatic renal cell carcinoma (mRCC) with artificial intelligence (AI).

First Author: Ignacio Duran, MD, PhD

Abstract e16556: Prediction of response to sunitinib in patients with advanced renal cell carcinoma (RCC) using mass spectrometry-based (phospho) proteomics.

First Author: Hanneke van der Wijngaart, MD

Abstract e16557: Nephrectomy after response to immune checkpoint inhibitors for metastatic renal cell carcinoma (mRCC): A surgical challenge allowing favorable oncological outcomes.

First Author: Geraldine Pignot, MD, PhD

Abstract e16558: Does concurrent COX inhibition and immune checkpoint blockade improve clinical outcome in patients with metastatic renal cell carcinoma?

First Author: Yumeng Zhang, MD

Abstract e16559: Clinicopathologic features of Xp11.2 translocation renal cell carcinoma and its response to target therapy.

First Author: Xieqiao Yan, MD

Abstract e16560: Thirty day readmissions and outcomes following radical nephrectomy in renal cell carcinoma: A nationwide analysis.

First Author: Trilok Shrivastava, MD

Abstract e16561: Real-world treatment patterns and overall survival in previously treated advanced renal cell carcinoma patients receiving nivolumab in the UK.

First Author: Tom Waddell

Abstract e16562: Sunitinib in metastatic clear cell renal cancer (CCRC): A real life Chilean single institution experience.

First Author: Luis J. Orlandi Sr., MD

Abstract e16563: Association of BMI, body composition and outcomes in Chinese patients with metastatic renal cell carcinoma treated with immunotherapy: A retrospective, multicohort analysis.

First Author: Jun Wang

Abstract e16564: FDG-PET avidity as a prognostic biomarker for overall survival in renal cell carcinoma.

First Author: Justin Ferdinandus, MD

Abstract e16565: *Fusion 3D* gross sampling method to overcome heterogeneity in clear cell renal cell carcinoma (ccRCC) and grading angiogenic versus immune signatures.

First Author: Matteo Brunelli, MD, PhD

Abstract e16566: Prognosis impact of serous metastases (SMs) in clear cell renal cell carcinoma patients in the GETUG-AFU-26 NIVOREN phase II trial.

First Author: Florian Bardet

Abstract e16567: Salvage immune checkpoint inhibitor (ICI) plus tyrosine kinase inhibitor (TKI) combination therapy for metastatic renal cell carcinoma (mRCC).

First Author: Anish B. Parikh, MD

Abstract e16568: Potential role of dose escalation in overcoming acquired resistance to cabozantinib in metastatic renal cell carcinoma (mRCC).

First Author: Akanksha Sharma, MD

Abstract e16569: Baseline neutrophil-to-eosinophil ratio (NER) and its association with clinical outcomes in patients with metastatic renal cell carcinoma (mRCC) treated with immune checkpoint inhibitors (CPI).

First Author: Deepak Ravindranathan

Abstract e16570: Clinical outcomes in metastatic renal cell carcinoma (mRCC) treated with combination of nivolumab and cabozantinib (nivo-cabo) in the salvage setting.

First Author: Deepak Ravindranathan

Abstract e16572: Bone-targeted therapy in patients with renal cell carcinoma bone metastases undergoing palliative surgery.

First Author: Benjamin Garmez, MD

Abstract e16574: First-line therapy in patients with metastatic renal cell carcinoma (mRCC): Results from consecutive patients over 25 years in a single institution.

First Author: Niels Frstrup, MD, PhD

Abstract e16575: Hot clear cell renal cell carcinoma immune status: Illusion or reality?

First Author: Xingang Bi, MD, PhD

Abstract e16576: Combination of immunotherapy and tyrosine kinase inhibitor in first-line metastatic renal cell carcinoma: A real-world Indian experience.

First Author: Amit Rauthan, MD

Abstract e16577: Diagnostic ability of four cell-free miRNA signatures pre- and post-nephrectomy concordantly found in the tumor and blood from patients with renal cell carcinoma.

First Author: Matias Bustos, PhD

Abstract e16578: Value of cabozantinib in the treatment of advanced metastatic clear cell renal cell carcinoma (ccRCC): Real-world data from a single Korean institution.

First Author: Seoyoung Lee

Abstract e16580: Analysis of metabolism-related gene signature for prognosis prediction of clear cell renal cell carcinoma.

First Author: Dalong Cao

Abstract e16581: What happened to the preserved renal parenchyma after partial nephrectomy?

First Author: Steven Campbell, MD, PhD

Abstract e16582: Comparative analyses of survival differences in patients with urothelial versus non-urothelial upper tract carcinomas: Results from the National Cancer Database (NCDB).

First Author: Jeanny B. Aragon-Ching, FACP, MD

Abstract e16583: The genomic landscape of Chinese patients with upper tract urothelial carcinoma.

First Author: Shengming Jin, MD

## **Genitourinary Cancer—Prostate, Testicular, and Penile**

Abstract e17000: Prostate-specific antigen testing in the disabled population: A cross-sectional analysis of the Health Information National Trends Survey (HINTS).

First Author: Joon Yau Leong, MD

Abstract e17001: Clonal hematopoiesis in prostate cancer inferred from somatic tumor profiling.

First Author: Catherine Handy Marshall, MD, MPH

Abstract e17002: Post radical prostatectomy prostate-specific antigen doubling-time kinetics: Observations of increasing versus decreasing doubling times.

First Author: Linda My Huynh, MSc

Abstract e17003: A prospective phase 2/3 study of PSMA-targeted <sup>18</sup>F-DCFPyL-PET/CT in patients (pts) with prostate cancer (PCa) (OSPNEY): A sub-analysis of disease staging changes in PCa pts with recurrence or metastases on conventional imaging.

First Author: Jeremy C. Durack, MD, MS

Abstract e17004: Genomic characteristics of homologous recombination deficiency in prostate cancer.

First Author: Yu Wei, MD

Abstract e17006: Phase 2b trial results of padeliporfin (WST11 or Tookad) vascular-targeted photodynamic therapy for partial gland ablation in men with intermediate-risk prostate cancer.

First Author: Jonathan Coleman, MD

Abstract e17007: Inpatient outcomes of pathological fractures in metastatic prostate cancer.

First Author: Kriti Ahuja

Abstract e17008: A morphological subset of circulating tumor cells in advanced prostate cancer reveals a potential biomarker for clinical outcomes.

First Author: Jasmine Jiemei Wang, MD

Abstract e17009: Phase II study of gemcitabine, carboplatin and veliparib in multiple relapsed/refractory germ cell tumors (GCTs).

First Author: Michal Mego, MD, PhD

Abstract e17010: Predictive factors for choriocarcinoma syndrome development in high-risk patients with germ cell tumors (GCTs).

First Author: Katarina Rejlekova, MD, PhD.

Abstract e17011: Sub-centimeter lymphadenopathy in germ cell testicular cancer: An ongoing surveillance challenge.

First Author: Ruth Kieran

Abstract e17012: Nationwide trends in in-patient chemotherapy hospitalizations, cost, and mortality for patients with testicular carcinoma.

First Author: Saqib Abbasi, MD

Abstract e17013: Phase 2 analysis on Covid-19-adopted etoposide (E) and cisplatin (P) regimens for patients (pts) with an advanced germ cell tumor (GCT): The CovGCT study.

First Author: Nabeel Naban

Abstract e17014: Burden of chemotherapy-induced peripheral neuropathy and associations with long-term sexual impairment in testicular germ cell tumor survivors.

First Author: Michal Chovanec, MD, PhD

Abstract e17016: Immune checkpoint inhibitor plus anti-EGFR target therapy plus chemotherapy in patients with locally advanced penile squamous cell carcinoma.

First Author: Hui Han

Abstract e17018: Serial ctDNA profiling in patients with metastatic prostate cancer undergoing treatment with radium-223.

First Author: Dena Blanding, MD

Abstract e17019: The association of *ATM* alterations with clinical and molecular features in metastatic castration-resistant prostate cancer.

First Author: Guo Xi

Abstract e17020: A phase 1/2 study of olaparib and radium-223 in men with metastatic castration-resistant prostate cancer (mCRPC) with bone metastases (COMRADE): Results of the phase 1 study.

First Author: Rana R. McKay, MD

Abstract e17022: Characteristics and comorbidities of veterans treated with enzalutamide or abiraterone.

First Author: Mukti Patel, MD

Abstract e17023: Association of elevated serum CEA with visceral metastasis and distinctive circulating tumor DNA alterations in castrate-resistant prostate cancer.

First Author: Alexander Bray, MD, PhD

Abstract e17025: A phase 1b study of novel immunogenic cell death inducer PT-112 plus PD-L1 inhibitor avelumab in metastatic castrate-resistant prostate cancer (mCRPC) patients.

First Author: Alan Haruo Bryce, MD

Abstract e17026: Prognostic role of inflammatory biomarkers from peripheral blood and clinical factors in metastatic castration-resistant prostate cancer (mCRPC) patients (pts) treated with radium-223 (Ra-223) (BIO-Ra-223 study).

First Author: Sara Elena Rebuzzi, MD

Abstract e17027: Prostate cancer intensive, non-cross reactive therapy (PRINT) for CRPC: Interim analysis of efficacy endpoints.

First Author: Bobby Chi-Hung Liaw, MD

Abstract e17030: Effect of immunotherapy on survival outcomes in prostate cancer: Systematic review and meta-analysis.

First Author: Vinod solipuram

Abstract e17032: Presence of CTCs and its prognostic potential compared to AR-V7 expression in mCRPC undergoing androgen-deprivation therapy.

First Author: Katrin Schlack

Abstract e17033: Real-world outcomes among prostate cancer patients with *BRCA2* gene variants compared to variants in other homologous DNA repair genes.

First Author: Meghan Price, BS

Abstract e17034: Predicting benefit of radium 223 based on biochemical response and site of metastasis: A real life multicenter UK study.

First Author: Prantik Das, MD

Abstract e17035: Plasma circulating tumor DNA (ctDNA) fraction and real-world overall survival (rwOS) in metastatic castration resistant prostate cancer (mCRPC).

First Author: Daniel G. Stover, MD

Abstract e17038: Rate of skeletal-related events (SREs) for abiraterone acetate (AA) versus enzalutamide (ENZ) in prostate cancer: A population-based study using the SEER-Medicare database.

First Author: Daniel H Kwon, MD

Abstract e17039: Schlafen 11 (SLFN11), a putative predictive biomarker of platinum/PARPi response, is frequently detected on circulating tumor cells (CTCs) in advanced prostate cancer.

First Author: Howard I. Scher, MD, FASCO

Abstract e17043: PTEN loss as a potential biomarker in patients with castration resistant prostate cancer M0.

First Author: Javier Puente, PhD

Abstract e17044: Patients with undetectable PSA 2 years after docetaxel for metastatic castration sensitive prostate cancer (mCSPC).

First Author: Mohammad O. Atiq, MD

Abstract e17046: Evaluating the prevalence and nature of sleep disturbances in prostate cancer patients receiving androgen deprivation therapy using a combination of actigraphy and sleep questionnaires.

First Author: Stephen Mangar, FRCP FRCR MSc MD MA

Abstract e17047: Comparative efficacy of docetaxel versus novel hormonal agent in de novo metastatic hormone-sensitive prostate cancer: Real-world data curated by deidentified chart abstraction.

First Author: Bobby Chi-Hung Liaw, MD

Abstract e17049: Association of basophil to lymphocyte ratio (BLR) with clinical outcomes in metastatic hormone sensitive prostate cancer.

First Author: Katherine Emilie Rhoades Smith, MD

Abstract e17052: Radiation oncologist consultations prior to prostatectomy in Ontario, Canada: Disparities and opportunities.

First Author: Mark T Corkum, MD, MSc

Abstract e17053: Patient-reported financial toxicity following management of localized prostate cancer.

First Author: Brandon S. Imber, MD, MA

Abstract e17054: Stereotactic body radiation therapy (SBRT) versus conventionally fractionated external beam radiation therapy in unfavorable intermediate-risk prostate cancer: An inverse propensity matched analysis.

First Author: Neal Andruska, MD PhD

Abstract e17055: Survival outcomes of primary mediastinal germ cell malignancies based on clinicopathological characteristics: A SEER database analysis.

First Author: Trilok Shrivastava, MD

Abstract e17056: Associations of pre-existing cardiovascular disease (CVD) with treatment patterns and survival outcomes in patients with metastatic prostate cancer: A real-world, population-based study.

First Author: Atul Batra, MD

Abstract e17057: The impact of COVID-19 on delivery of systemic anti-cancer treatment in urological cancer patients: A comparison with 2019 data from Guy's Cancer Center.

First Author: Christina Karampera

Abstract e17059: Threatening incidence trends of genitourinary small cell cancer.

First Author: Bohdan Baralo, MD

## **Gynecologic Cancer**

Abstract e17501: Propensity score matching analysis of ovarian cancer patients with multiple primary malignant neoplasms using multicenter real-world data.

First Author: Qing-lei Gao

Abstract e17502: Trends in glassy cell cervical cancer in the United States from 1973-2015: Analysis based on SEER database.

First Author: Anahat Kaur, MD

Abstract e17503: Features of genes copy number in normal, primary tumor, and lymph nodes metastases cells in patients with cervical cancer.

First Author: Madina M. Kecheryukova

Abstract e17504: Accelerated epigenetic age among HIV-infected Nigerian women with invasive cervical cancer.

First Author: Jonah Musa

Abstract e17505: Morbidity and mortality of pelvic exenteration for cervical cancer at a German referral center.

First Author: Jelena Boekhoff, MD

Abstract e17506: Preliminary results of niraparib and brivanib dual therapy evaluation in recurrent, metastatic and persistent cervical cancer (CQGOG0101): An open-label, phase II clinical trial.

First Author: Haixia Wang, Ph.D

Abstract e17507: A novel treatment for recurrent localized cervical cancer using point-of-care ethyl cellulose ethanol ablation with concurrent cytotoxic therapy.

First Author: Júlia Sroda Agudogo, BSE

Abstract e17508: Intensity of free-radical reactions in metastasizing cervical cancer.

First Author: Natalia V. Chernikova

Abstract e17509: A retrospective study of anlotinib in patients with cervical cancer after chemoradiotherapy.

First Author: Liu Tan

Abstract e17510: Efficacy and safety evaluation of HLX10 (a recombinant humanized anti-PD-1 monoclonal antibody) combined with albumin-bound paclitaxel in patients with advanced cervical cancer who have progressive disease or intolerable toxicity after first-line standard chemotherapy: A single-arm, open-label, phase 2 study.

First Author: Lingying Wu, MD, PhD

Abstract e17511: Association of alterations in DNA damage repair and Notch pathways with high tumor mutational burden in patients with cervical cancer.

First Author: Dongling Zou

Abstract e17512: The diagnostic value of core needle biopsy in cervical cancer: A retrospective analysis.

First Author: Massimiliano Lia

Abstract e17513: Global line-1 hypomethylation as novel biomarker for cervical cancer in Nigerian women living with HIV.

First Author: Yinan Zheng

Abstract e17514: Experience of low-intensity LED radiation (LILED) in combination treatment of radiation-induced rectal injuries.

First Author: Olga G. Rodionova

Abstract e17515: Combination ozone therapy as an effective method of radiomodification in chemoradiation treatment of patients with cervical cancer.

First Author: Olga G. Rodionova

Abstract e17516: Dynamics of oxidative blood status and activity of antioxidant system of erythrocytes in patients with cervical cancer receiving combination therapy with dendritic cell vaccine.

First Author: Irina A. Goroshinskaya, PhD, Professor

Abstract e17518: A multicenter analysis of treatment and outcomes in neuroendocrine carcinoma of the uterine cervix (NCUC).

First Author: Ashley Deanelle Hickman, MD

Abstract e17519: The outcomes of '8' suture suspension laparoscopic radical hysterectomy for early-stage cervical carcinoma.

First Author: Huaiwu Lu, MD

Abstract e17520: Cervical cancer screening: Twelve years experience of the Kazakhstan National Screening program.

First Author: Raikhan Bolatbekova, BA

Abstract e17521: Utilization and outcome of systemic chemotherapy for high-risk early-stage cervical cancer.

First Author: Munetaka Takekuma, MD, PhD

Abstract e17522: Healthcare utilization and outcomes in cervical cancer with and without HIV: National inpatient sample analysis.

First Author: Vedavyas Gannamani, MD

Abstract e17523: Investigating reasons for discontinuation of first-line adjuvant chemotherapy among ovarian cancer patients in the midwestern United States.

First Author: Kristin S. Weeks

Abstract e17524: Anlotinib in patients with recurrent platinum-resistant or refractory ovarian carcinoma: A prospective, single-arm, single-center, phase II clinical study.

First Author: Huaying Wang, MD, Ph.D

Abstract e17525: Mutational profiles of ovarian cancer in Chinese patients revealed potential therapeutic targets and prognostic markers.

First Author: Weiwei Feng

Abstract e17526: L-MOCA: An open-label study of olaparib maintenance monotherapy in platinum-sensitive relapsed ovarian cancer.

First Author: Qing-lei Gao

Abstract e17527: Amount of cancer stem cells in tumors of patients with ovarian cancer with different responses to platinum-containing chemotherapy.

First Author: Aleksandr B. Sagakyants

Abstract e17528: Levels of some cytokines in tumors of ovarian cancer patients with different responses to platinum-containing chemotherapy.

First Author: Aleksandr B. Sagakyants

Abstract e17529: Integrative genomic and transcriptomic analysis reveals prognostic markers and immune subtype in Chinese ovarian clear cell carcinoma.

First Author: Huijuan Yang

Abstract e17530: Expression of multidrug resistance marker MDR1 in patients with ovarian cancer and its possible predictive significance.

First Author: Elena P. Ulianova

Abstract e17531: Frequency of homologous recombination repair alterations in ovarian cancer in Chinese population.

First Author: Tongtong Yang

Abstract e17532: Preliminary results of anlotinib and niraparib dual therapy evaluation in platinum-resistant recurrent ovarian cancer.

First Author: Guochen Liu

Abstract e17534: Impact of pleural effusion in ovarian cancer: A retrospective study in Lleida, Spain.

First Author: Eleonor Paola Murata, MD

Abstract e17535: Factors of VEGF, IGF, and TGF- $\beta$ 1 families in omentum tissues to mark premetastatic niches in ovarian cancer.

First Author: Anna P. Menshenina

Abstract e17536: IL-17A and CCL2 in blood serum and circulating neutrophils in patients with ovarian tumors.

First Author: Snezhanna Gening, MD

Abstract e17537: Impact on survival of surgical therapeutic strategy in the initial management of advanced ovarian cancer: A study from the Cote d'Or gynaecological cancer registry from 1998 to 2015.

First Author: Alix Amet

Abstract e17538: Determinants of response to checkpoint inhibition in ovarian cancer.

First Author: Andrea Leigh Buras

Abstract e17539: Chemotherapy response score: Validation of a three-tier system to quantify histopathologic response to neoadjuvant chemotherapy in ovarian carcinoma.

First Author: Kari Kubalanza, MD

Abstract e17540: Variance of HRD score from primary to recurrent in high-grade serous ovarian cancer.

First Author: Xiaoxiang Chen

Abstract e17541: Identification of signal transduction pathway activity with potential clinical target in high-grade serous ovarian and tubal carcinoma.

First Author: Phyllis van der Ploeg, MD

Abstract e17542: Stem-like markers in the circulating tumor cells assessment in ovarian cancer.

First Author: Snezhanna Gening, MD

Abstract e17543: Homologous recombination deficiency associated with response to poly (ADP-ribose) polymerase inhibitors in ovarian cancer patients: The first real-world data from China.

First Author: Xiaoxiang Chen

Abstract e17544: Classification of molecular subtypes of high-grade serous ovarian cancer by MALDI-Imaging.

First Author: Wanja Nikolai Kassuhn, PhD

Abstract e17545: Final survival follow-up and translational associations using interval indirect immunization with oregovomab (O) and poly ICLC in patients (pts) with recurrent platinum-resistant ovarian cancer (PROC).

First Author: Robert W. Holloway, MD

Abstract e17547: Integrating the genomic and TCR repertoire signatures predicts prognosis in primary epithelial ovarian cancer.

First Author: Yang Xiang, MD

Abstract e17549: Tumor infiltrating lymphocytes (TILs) in endometrioid and clear cell ovarian carcinoma: Characterization, association with mismatch repair system deficiency and endometriosis, and prognostic implications.

First Author: Alejandro Gallego, MD

Abstract e17550: Laboratory cross-comparison of homologous recombination repair mutation analysis in tumor in a multicenter epithelial ovarian cancer series: The BORNEO GEICO 60-0 study.

First Author: Ignacio Romero, MD

Abstract e17551: The role of polymorphisms occurring in *BRCA1/2* genes in determining ovarian cancer risk.

First Author: Marta Castiglia

Abstract e17552: Efficacy and safety of weekly paclitaxel in elderly patients with heavily pretreated platinum-resistant ovarian carcinoma.

First Author: Rodrigo Sanchez-Bayona, MD

Abstract e17553: Is age-related worsening in ovarian cancer prognosis linked to changes in body composition and pharmacokinetics?

First Author: Martine Extermann, MD, PhD

Abstract e17555: Retrospective analysis of ovarian cancer patients treated with PARP inhibitors.

First Author: Connie Liang

Abstract e17556: Functional status of patients suffering from ovarian cancer: A cross-sectional study.

First Author: Marcos Iglesias Campos, MD

Abstract e17557: Evaluation of immunohistochemical expression of mismatch repair proteins in endometrioid and seromucinous borderline ovarian tumors a 10-year experience in a large

health care institution.

First Author: Hector Chavarria

Abstract e17558: Using 3D perfusion bioreactor system to studying cell biology of ovarian cancer.

First Author: Alba Martínez, MS

Abstract e17559: Upregulation of HSPB1 heat shock gene and ERCC1 gene on serous ovarian cancer cell line in HIPEC in vitro model.

First Author: Warne Pedro Andrade, MD

Abstract e17560: Feasibility of ovarian preservation as a stage in correcting the quality of life in young patients after gynecologic surgeries.

First Author: Natalia V. Chernikova

Abstract e17561: Characteristics of local inflammation in patients with uterine fibroids and endometrial cancer.

First Author: Tatiana A. Zykova

Abstract e17562: Overall survival differences between women and men with leiomyosarcomas.

First Author: Ashna Wadhawan, MD

Abstract e17563: MicroRNAs as predictors of future endometrial malignancies in endometrial hyperplasia without atypia.

First Author: Chyong-Huey Lai, MD

Abstract e17564: Prognosis of endometrial cancer depends on intracrine ratio of sex steroids.

First Author: Tatiana I. Moiseenko

Abstract e17565: Risk and distribution of venous thromboembolic events during treatment for advanced endometrial cancer.

First Author: Julia Rose Salinaro, BA

Abstract e17566: Outcomes of curative intent treatment in advanced gynecological cancer with recurrent, distant lymph node, or visceral organ metastasis: Retrospective study from a single community center.

First Author: Sujatha Narayanamoorthy, MD

Abstract e17567: Characteristics of early-stage endometrial cancer and factors that influence disease recurrence.

First Author: Su Yun Chung

Abstract e17568: Clinicopathologic characteristics of distinct molecular subtypes of endometrial carcinoma in Chinese population.

First Author: Qing Zhang, M.D

Abstract e17569: Genomic characteristics of endometrial cancer in China.

First Author: Hong Zheng, MD, PhD

Abstract e17570: A longitudinal study of the adherence to PORTEC-2 based adjuvant radiotherapy in high-intermediate-risk endometrial adenocarcinoma and associated oncologic outcomes.

First Author: Hadi Erfani, MD, MPH

Abstract e17571: Systematic literature review of the real-world burden and use of chemotherapies for treatment of advanced or recurrent endometrial carcinoma.

First Author: Qi Zhao

Abstract e17572: Disparities in adjuvant treatment of high-grade endometrial cancer.

First Author: Logan Corey

Abstract e17573: ALDH1 expression in primary and recurrent vulvar carcinoma.

First Author: Nina M. Abdullaeva

Abstract e17574: Vaginal biocenosis in patients with gynecological cancers.

First Author: Vera P. Nikitina

Abstract e17575: Prevalence and variety of HPV types in dependence on gender and age.

First Author: Tatiana A. Zykova

Abstract e17576: Cachexia in treatment-naïve gynecological cancer patients: Prevalence, predictors, and clinical associations.

First Author: Niamh O'Donoghue, PhD

Abstract e17577: Invasive Paget's disease of the breast versus genitalia versus skin: What are the demographic and prognostic differences?

First Author: Ashley S. Moon, MD

## **Head and Neck Cancer**

Abstract e18000: Radiomic features in recurrent/metastatic platinum refractory head and neck squamous cell carcinoma treated with immunotherapy.

First Author: Giuseppe Anile, MD

Abstract e18001: Efficacy and safety of systemic treatments for patients with recurrent/metastatic head and neck squamous cell carcinoma: A systematic review and

network meta-analysis.

First Author: Lingbin Meng, MD, PhD

Abstract e18002: Real-world outcomes for patients with recurrent or metastatic squamous cell carcinoma of the head and neck treated with nivolumab: A Galician multicentric study (Spain).

First Author: Leticia Iglesias Rey

Abstract e18003: Identification of factors related to immunotherapy prognosis in patients with advanced head and neck squamous cell carcinoma.

First Author: Lin Zhang

Abstract e18004: Impact of ECOG performance status on recurrent/metastatic head and neck squamous cell carcinomas treated with anti-PD1 inhibitors.

First Author: Cameron Chalker, MD

Abstract e18005: MVX-ONCO-1 in advanced refractory cancers: Safety, feasibility, and preliminary efficacy results from all HNSCC patients treated in two ongoing clinical trials.

First Author: Eugenio Fernandez, MD

Abstract e18006: Patterns of failure after definitive treatment for T4a larynx cancer in the Veterans Affairs Health System.

First Author: Rohith S. Voora, BS

Abstract e18007: Comparison of triweekly cisplatin regimens in definitive chemoradiotherapy for locally advanced head and neck cancer: A propensity score matching analysis.

First Author: Yu Fujiwara, MD

Abstract e18008: Cytokines performance during nivolumab treatment: A subgroup analysis of NIVACTOR study.

First Author: Nerina Denaro, MD

Abstract e18010: Novel biomarkers for head and neck squamous cell carcinoma: A retrospective study.

First Author: Shengjin Dou

Abstract e18011: Circulating tumor cells demonstrate a positive biomarker in head and neck squamous cell carcinoma (HNSCC) in tobacco consuming population of Bangladesh.

First Author: Alain D'Souza, PhD

Abstract e18012: Network meta-analysis (NMA) of pembrolizumab for first-line (1L) treatment of recurrent/metastatic (R/M) head and neck squamous cell carcinoma (HNSCC).

First Author: Karthik Ramakrishnan

Abstract e18013: Cost-effectiveness (CE) analysis of pembrolizumab as first-line (1L) treatment for recurrent or metastatic head and neck squamous cell carcinoma (R/M HNSCC) in the United States (US).

First Author: Karthik Ramakrishnan

Abstract e18014: Outcomes with definitive local treatment to the primary site in non-nasopharyngeal head and neck squamous cell carcinoma patients with synchronous distant metastasis.

First Author: Steven Borson

Abstract e18015: Treatment patterns for patients with metastatic or recurrent head and neck cancer in a large integrated health-care system.

First Author: Tiffany Seto

Abstract e18016: Frequency of DNA repair gene mutations and impact on prognosis in HNSCC.

First Author: Kimberly Burcher, MD

Abstract e18018: Early efficacy prediction of nasopharyngeal carcinoma based on 3D-ADC value acquired during radiotherapy: A phase II prospective study.

First Author: Lu Yan

Abstract e18020: Survival results of phase I dose escalation of stereotactic body radiation therapy and concurrent cisplatin for re-irradiation of unresectable, recurrent head and neck squamous cell carcinoma.

First Author: Michelle Echevarria, MD

Abstract e18021: Analysis of outcomes and disposition in hospitalized patients with head and neck cancer over 15 years.

First Author: Achuta Kumar Guddati, PhD

Abstract e18022: Low-dose ultra-fractionated radiotherapy as a chemosensitizer of neoadjuvant chemotherapy for locally advanced nasopharyngeal carcinoma: A preliminary results of the phase II trial.

First Author: Mei Feng

Abstract e18023: NTRK, ALK and RET rearrangements in salivary gland cancer.

First Author: Svetlana Kutukova

Abstract e18024: Genomic characterization of p16+ compared to p16- HNSCC patients treated with immune checkpoint inhibitors and overall survival.

First Author: Hira Ghazal Shaikh, MD

Abstract e18025: A multiparameter model for prediction of pathological nodal status in clinically early stage oral cancer using machine learning.

First Author: Indranil Mallick, MBBS, MD, DNB

Abstract e18026: Molecular profiling and survival outcomes of p16+ compared to p16- oropharynx squamous cell cancer patients.

First Author: Brittany Nicole Hughes, BS

Abstract e18027: A potential survival impact of blood immune cells in patients with locoregionally advanced nasopharyngeal carcinoma treated with concurrent chemoradiotherapy.

First Author: Li Yang

Abstract e18030: Association of HLA loss of heterozygosity with allele-specific neoantigen expansion in response to immunotherapy.

First Author: Rachel Marty Pyke

Abstract e18031: A digital pathologist support tool for accurate detection of PD-L1 in head and neck squamous cell carcinoma.

First Author: Roberto Gianani, MD, FCAP, BA

Abstract e18033: Development and validation of an unfolded protein response-related gene signature to predict overall survival in HNSCC.

First Author: Jun Chen

Abstract e18034: Outcome of neoadjuvant chemotherapy (NACT) with paclitaxel plus carboplatin and oral metronomic chemotherapy (OMCT) in patients with technically unresectable oral cavity squamous cell carcinoma (SCC).

First Author: Lakhan Kashyap, MD

Abstract e18035: Factors associated with hospitalization in patients (pts) with locally advanced squamous cell carcinoma of the head and neck (LA-HNSCC) treated with definitive chemoradiation (CRT).

First Author: Soo J Park, MD

Abstract e18036: Prognostic nomogram for pediatric nasopharyngeal carcinoma in the intensity-modulated radiotherapy era.

First Author: Yizhuo Zhang

Abstract e18037: Comparison of diagnostic characteristics between sentinel lymph node biopsy (SLNB) and radio-guide elective neck dissection (RGEND) in patients with T1-2N0 oral tongue cancer.

First Author: Maxim Kotov

Abstract e18038: Analyzing the effects of depression among patients with head and neck cancer.

First Author: Muhammad Usman Zafar, MD

Abstract e18039: Survival outcomes in primary angiosarcoma of the head and neck: A systematic review and meta-analysis.

First Author: Sondos Zayed, MDCM

Abstract e18040: Clinical outcomes, prognosis, and predictors of salvage surgery in oral cavity squamous cell carcinoma.

First Author: Wen-San Lan

Abstract e18041: Supportive care services (SCS) during curative-intent treatment with chemoradiation for patients with locally advanced head and neck cancer (HNC).

First Author: Ethan Harris

Abstract e18042: Adjuvant radiotherapy plus systemic chemotherapy in resected head and neck mucosal melanoma.

First Author: Rong Duan

Abstract e18043: Interim analysis for window of opportunity trial of single dose preoperative durvalumab (D) with or without tremelimumab (T) for operable head and neck squamous cell carcinoma (HNSCC).

First Author: Hye Ryun Kim, MD, PhD

Abstract e18044: Association of tumor volume and outcomes in T3 larynx cancer with organ preservation approach.

First Author: Nauman Malik, MD

Abstract e18046: The genomic architectures of tumor-adjacent tissues, plasma and saliva reveal evolutionary underpinnings of relapse in head and neck squamous cell carcinoma.

First Author: Ping Wu, MD

Abstract e18048: A comparison of the burden of thyroid cancer amongst European Union 15+ countries, 1990-2017: Estimates from the Global Burden of Disease Study.

First Author: James Schuster-Bruce

Abstract e18049: Gene expression profiling of anaplastic thyroid carcinoma and coexisting differentiated thyroid carcinoma using the NanoString nCounter system.

First Author: Sachie Hashimoto, MD, PhD

Abstract e18050: Comprehensive genomic profiling and immune characterization of adenoid cystic carcinoma.

First Author: Punita Grover, MBBS

Abstract e18051: Neoadjuvant intraarterial cytoreductive chemotherapy for lacrimal gland adenoid cystic carcinoma: A 33-year single-institution experience.

First Author: Philippos Apolinario Costa, MD

Abstract e18052: Timing of postoperative radiation therapy and survival in resected salivary gland cancers: Long-term results from a single institution.

First Author: Perrin Romine, MD, MSc

Abstract e18053: Comparison of tongue cancer survival among White and Black cancer patients: An exploratory analysis of the SEER database.

First Author: Jaffer Shah

Abstract e18054: Characteristics of patients with lymphoma presenting initially as a neck mass referral to otolaryngology.

First Author: Andrew Lynch, MD

Abstract e18055: EGFR blockade leads to singular oncogene-addiction in ETV6-NTRK3 transformed human epithelial cells and hypersensitization to entrectinib.

First Author: Nagarajan Kannan, PhD, MS

Abstract e18056: Treatment outcomes of recurrent and metastatic adenoid cystic carcinoma: A retrospective analysis.

First Author: Julie Elaine McGrath, PhD

## **Health Services Research and Quality Improvement**

Abstract e18500: Rural health cancer care: A literature review.

First Author: Wade T. Swenson II, MPH, MD

Abstract e18501: Enrollment disparities in cancer clinical trials leading to FDA approvals between 2008 and 2020.

First Author: Ryan Huu-Tuan Nguyen, DO

Abstract e18502: Phoenix Cancer Support Network provides non-medical assistance to reduce disparities among cancer patients.

First Author: Glen J. Weiss, MBA, MD

Abstract e18503: Willingness to travel for CAR-T: A choice-based conjoint analysis.

First Author: Zachary AK Frosch, MD

Abstract e18504: The impact of demographics and Medicare payments on quality of external beam radiotherapy for bone metastases in U.S. hospitals.

First Author: Nikol Mladkova, MD, MPH, PhD

Abstract e18505: Dissemination of validated health literacy videos: A tailored approach.  
First Author: Shannon M. Blee, BS

Abstract e18506: COVID-19 effect on cancer diagnosis: A retrospective comparative analysis.  
First Author: Meytal Shtayer Fabrikant, MD

Abstract e18507: Expanded access and early access provision: Awareness, educational needs and opportunities to improve access to care.  
First Author: Andriy Krendyukov, MD, MBA

Abstract e18508: Pediatric cancer communication in Guatemala.  
First Author: Dylan E. Graetz, MD, MPH

Abstract e18509: Access to radiation oncology centers with brain tumor treatment expertise for patients with resectable brain tumors.  
First Author: Mehee Choi, MD

Abstract e18510: Racial disparities and medical care accessibility in cancer statistics.  
First Author: Noha Soror

Abstract e18511: Social disparities in Southeastern Brazil and the burden of cervical cancer.  
First Author: Sabina B. Aleixo, MD

Abstract e18512: Health disparities experienced by Black Americans with multiple myeloma in the United States: A population-based study.  
First Author: Samer Al Hadidi, FACP, MD, MS

Abstract e18513: Impact of universal health care on trends of incidence and mortality of cancers with screening recommendations in North America. A GLOBOCAN 2020 study.  
First Author: Mounika Addula

Abstract e18514: Racial, ethnic, and socioeconomic disparities in treatment outcomes in patients (pts) with diffuse large B-cell lymphoma (DLBCL): A U.S. real-world study using a de-identified electronic health record (EHR)-derived database.  
First Author: Yanling Jin, MSc

Abstract e18515: COVID-19 communication to English- and Spanish-speaking cancer patients: A website analysis of seven healthcare systems in north Texas.  
First Author: Robin T. Higashi, PhD

Abstract e18516: Racial distribution of clinical trial participants in the United States.  
First Author: Monaliben Patel, MD

Abstract e18517: A cross-sectional study on global disparities in information experiences of patients with lymphoma/CLL.

First Author: Olufunmilayo Bamigbola, MB;BS, MSc (Epid)

Abstract e18518: Comparison of care process for newly diagnosed breast cancer in insured versus uninsured populations: Opportunities for improving health equity.

First Author: Gehan Botrus

Abstract e18519: Do you hear us? Elevating the voice of patients from Asia Pacific (AP) and Middle East (ME) in pharmaceutical research.

First Author: Julie Rihani

Abstract e18520: Barriers and facilitators to sexual orientation and gender identity (SOGI) data collection.

First Author: Gwendolyn P. Quinn, PhD

Abstract e18521: Perspectives on under-representation of minority patients (pts) in clinical trials.

First Author: Taofeek K. Owonikoko, MD, PhD, MS

Abstract e18523: Racial disparities among women who develop invasive secondary breast cancer.

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Abstract e18524: Treatment and survival outcomes for Medicaid patients with pancreatic, colon-rectosigmoid, and liver cancers at a national comprehensive cancer center.

First Author: Andrea M. Schiefelbein, MSPH

Abstract e18525: Epithelial ovarian cancer survival by race/ethnicity in an equal-access healthcare population.

First Author: Zhaohui Liao Arter, MD

Abstract e18526: Disparities in breast cancer by race and ethnicity.

First Author: Surbhi Warrior, MD MPH

Abstract e18527: Healthcare access disparity among U.S. cancer population and evaluation of social determinants of health using NHANES data for 2013-18.

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Abstract e18528: Bridging the gap by providing access to oncology care to rural communities: A hybrid delivery model combining in-person visits with Telehealth.

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Abstract e18529: Outcome disparities in rural versus urban patients with head and neck cancer: Leveling the playing field.

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Abstract e18530: Impact of social determinants of health on a late diagnosis and survival of patients with pancreatic cancer.

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Abstract e18531: Mapping geographical disparities in population-level patient-reported quality of life following prostate cancer management.

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Abstract e18532: Trainings needs of allied health professionals caring for sexual and gender minority adolescents and young adults with cancer: A qualitative analysis.

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Abstract e18533: Technology and social media use by oncology patients with limited english proficiency at a safety net hospital.

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Abstract e18534: Age-based disparities in clinical trials supporting FDA approval of therapies for solid tumors.

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Abstract e18535: Relationship between insurance status and diagnosis of cutaneous immune-related adverse events.

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Abstract e18536: Association of rurality and race with surgical treatment and outcomes for nonmetastatic colon cancer.

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Abstract e18538: Rural comprehensive cancer care: A qualitative analysis of current challenges and limitations.

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Abstract e18540: Social vulnerability and clinical trial access for older adults with myeloma in North Carolina.

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Abstract e18541: Disparities in the use of checkpoint inhibitors and CAR T-cell therapy: A systematic review.

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Abstract e18542: Are neglected breast cancer relates to lifestyle and socioeconomic environment?

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Abstract e18543: Change in facility-level share of Medicaid patients with cancer following implementation of the affordable care act.

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Abstract e18544: First data from OUT: The National Cancer Survey of LGBTQ+ survivors.

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Abstract e18545: Survival disparities in top five cancers in the United States: A population based study.

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Abstract e18546: Measuring the impact and sustainability of a statewide program for identifying minority and underserved clients at risk for hereditary breast and ovarian cancer (HBOC): An eight-year follow up including transitions during the COVID pandemic.

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Abstract e18547: Cancer treatment among the elderly in the United States: Examining the interplay of race/ethnicity and comorbidities.

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Abstract e18548: Analysis of potential disparities in lung cancer clinical trial participation among Medicare beneficiaries.

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Abstract e18550: Neighborhood area-level social determinants and receipt of mammography screening in an area with high deprivation: A retrospective cohort study.

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Abstract e18551: Racial, ethnic, and socioeconomic disparities in diagnosis, treatment, and survival of patients with breast cancer.

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Abstract e18554: Health disparities in New Zealand Māori with pancreatic cancer at Lakes District health board.

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Abstract e18559: The impact of COVID-19 on patients with cancer: A qualitative study.

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Abstract e18570: Review of cohort diversity in the development and validation of cancer risk assessment models.

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Abstract e18571: Concrete case: An opportunity to improve cervical cancer prevention— Primary and secondary prevention of cervical cancer in patients with cervical cancer and their families.

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Abstract e18572: The timeliness of lung cancer care: A systematic review of systematic/scoping reviews on time intervals and their impacts on cancer outcomes.

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Abstract e18573: Racial/ethnic differences in knowledge and attitudes towards clinical trials among adults in the United States: An analysis of the 2020 U.S. HINTS.

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Abstract e18574: Increasing underrepresented minority cancer patient enrollment into cancer clinical trials: A systematic review.

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Abstract e18575: The timeliness of lung cancer care: A systematic review of systematic/scoping reviews on risk factors and interventions.

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Abstract e18576: Racial/ethnic disparities in oropharyngeal cancer outcomes among males in the United States (2005-2016): A population-based retrospective cohort study.

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Abstract e18577: Non-fatal self-injury after a diagnosis of cancer: A population-based study.

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Abstract e18578: Prognostic impact of obesity in cancer patients with COVID-19 infection: A systematic review and meta-analysis.

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Abstract e18579: Matched case control analysis of breast cancer specific factors impacting risk of developing SARS-Cov-2 infection.

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Abstract e18580: A trial-level correlation analysis of progression-free survival as a surrogate for overall survival in the immunotherapy era.

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Abstract e18581: Recurrence risk in early breast cancer as defined by clinicopathologic features.

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Abstract e18582: Association of social support with overall survival and health care utilization in patients with aggressive hematologic malignancies.

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Abstract e18583: Patient-reported outcomes predicting non-fatal self-injury after a cancer diagnosis: A population-based case-control study.

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Abstract e18584: Estimates of stage-specific preclinical sojourn time across 21 cancer types.

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Abstract e18585: Nutritional status and outcomes of veterans undergoing curative surgery for colorectal cancer.

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Abstract e18587: Landscape review of the patient-reported outcomes version of the common terminology criteria for adverse events (PRO-CTCAE) in oncology: Adoption and recent learnings.

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Abstract e18588: Breast cancer survivorship and level of institutional involvement utilizing integrative oncology.

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Abstract e18590: Practice patterns of platinum chemotherapy use in a population-based cohort of women with nonmetastatic triple-negative breast cancer.

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Abstract e18591: An institutional evaluation of the safety and efficacy of same-day administration of pegfilgrastim in patients receiving chemotherapy for lung cancer.

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Abstract e18592: Patient adherence to LungRADS recommendations at an academic institution.

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Abstract e18593: Bone modifying agents and skeletal related events in patients with metastatic non-small cell lung cancer treated with immune checkpoint inhibitors.

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Abstract e18594: Association of systemic anticancer therapy with an increased risk of death in hospitalized COVID-19 positive oncology patients.

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Abstract e18595: Uptake and effectiveness of checkpoint inhibitor therapy among trial-ineligible patients with advanced solid malignancies.

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Abstract e18596: Changes in prescribing of oral capecitabine versus intravenous (IV) 5-fluorouracil (5-FU) in gastrointestinal (GI) cancers during the COVID-19 pandemic.

First Author: Yasin Civelek

Abstract e18597: A cross-sectional analysis of muscle density and physical function in head and neck cancer patients.

First Author: Amy L. Shaver, PharmD, MPH

Abstract e18599: Priority levels in cancer patients admitted to medical intensive care at a safety net hospital.

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Abstract e18600: Clinical outcomes of cancer patients with COVID-19: A systematic review and meta-analysis.

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Abstract e18601: Thirty-day readmission after percutaneous coronary intervention with drug eluting stent in patients with active malignancy.

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Abstract e18602: In-hospital outcomes of transcatheter aortic valve replacement (TAVR) in patients with localized and metastatic malignancy.

First Author: Hugo Macchi, Medical Doctor (MD)

Abstract e18603: How to choose your surgeon for colorectal cancer: The influence of fellowship training on outcomes.

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Abstract e18604: Differences in clinicopathological characteristics, treatment, and survival outcomes between older and younger breast cancer patients: A regional perspective.

First Author: Hikmat Abdel-Razeq, MD

Abstract e18606: Association of Memorial Sloan Kettering-Frailty Index with the postoperative intensive and specialized advanced care units admission among older adults with cancer.

First Author: Timothy J Donoghue, PhD., DNAP, CRNA

Abstract e18607: Association of febrile neutropenia (FN) risk factors (RFs) with incident FN in U.S. commercial and Medicare advantage patients receiving intermediate-risk chemotherapy for non-myeloid cancers between 2009 and 2019.

First Author: Edward C. Li, PharmD, MPH

Abstract e18608: Mortality in adult patients with solid or hematological cancers and SARS-CoV-2 infection with a specific focus on lung and breast malignancies: A systematic review and meta-analysis.

First Author: Marco Tagliamento, MD

Abstract e18609: Evolving oncology provider perspectives on care delivery during the COVID-19 pandemic.

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Abstract e18610: Neoadjuvant chemotherapy and disease recurrence after curative-intent surgery in patients with pancreatic adenocarcinoma: A single-center retrospective review.

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Abstract e18611: Outcomes with COVID-19 in patients with hematopoietic stem cell transplant and cellular therapy: A systemic review and meta-analysis.

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Abstract e18612: Graphical representations of patient tolerability data: Recommendations from the National Cancer Institute (NCI) Cancer Moonshot Standardization Working Group.

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Abstract e18614: The effect of neoadjuvant chemotherapy on quality of life for patients with muscle invasive bladder cancer (MIBC) undergoing cystectomy.

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Abstract e18615: Patient-reported outcomes in clinical trials for multiple myeloma: Where we are.

First Author: Marike Andreas, MSc, MSc

Abstract e18616: Optimism bias in the design of phase III randomized control trials (RCTs) evaluating PD-1/PD-L1 targeting monoclonal antibodies (mAbs).

First Author: Laith Al-Showbaki, MD

Abstract e18617: Prevalence of sarcopenia in patients with gastroesophageal and lung malignancies undergoing surgical resection and its impact on immediate postoperative

outcomes: A prospective observational study.  
First Author: Sudhakar Gunasekar

Abstract e18618: Impact of cancer on emergency department outcomes.  
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Abstract e18619: A Retrospective audit comparing the neutropenic complications in the Pre-COVID and COVID era from a tertiary care center.  
First Author: Narayanankutty Warriar, MBBS, MD, DM

Abstract e18620: 30-day readmission after TAVR (Transcatheter Aortic Valve Replacement (TAVR) in patients with malignancy.  
First Author: Shristi Upadhyay Upadhyay Banskota, MBBS

Abstract e18621: Health-related quality of life in the treatment and survivorship phases of breast cancer.  
First Author: Manraj Kaur

Abstract e18623: Healthcare utilization and costs associated with cancer-related diarrhea.  
First Author: Eric Roeland, MD

Abstract e18624: Clinical outcomes in HER2-positive and triple-negative breast cancer: Assessing racial disparities.  
First Author: Maithreyi Sarma, MD

Abstract e18625: Characterizing unplanned resource utilization associated with cancer-related diarrhea.  
First Author: Lee S. Schwartzberg, MD, FACP

Abstract e18626: COVID-19 related outcomes for hospitalized patients (pts) with solid malignancies (SM).  
First Author: Jeffrey Chi, MD

Abstract e18627: Tazemetostat (TAZ) in relapsed/refractory (R/R) follicular lymphoma (FL): Propensity-score matched analysis of E7438-G000-101 trial outcomes.  
First Author: David Proudman, MBiochem, MPH

Abstract e18628: Cancer care in the time of COVID-19: A conceptual framework to improve cancer outcomes during a pandemic.  
First Author: Vivienne Milch, MBBS (Hons), MHPol

Abstract e18629: Cardiotoxic safety communications after FDA approval of novel cancer therapies.  
First Author: Janice Bonsu, MPH

Abstract e18630: Association of HIV infection with survival and cancer-specific death in cancer patients in Louisiana.

First Author: Suki Subbiah, MD

Abstract e18631: In-hospital outcomes of percutaneous coronary intervention with drug-eluting stent in patients with localized and metastatic cancer.

First Author: Estefania Gauto, Medical Doctor (MD)

Abstract e18633: The use of machine learning for predicating complications of free flap head and neck reconstruction.

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Abstract e18634: Animated patient's guide to lung cancer enables shared decisions and improves health outcomes.

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Abstract e18635: Outcomes and applicability of a deep learning virtual tumor board (DLVTB) in community-dwelling colorectal cancer (CRC) patients.

First Author: Aakash Desai, MPH, MD

Abstract e18636: Differences in transitions of care among cancer patients with and without venous thromboembolism (VTE) events.

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Abstract e18637: Improving end of life care with advance care planning in a rural cancer center.

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Abstract e18638: Misunderstanding immunotherapy: An analysis of provider-patient conversations.

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Abstract e18639: Pathway use and concordance in affiliated academic and community oncology practices.

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Abstract e18640: Reducing delays to lung cancer treatment through systematic consult scheduling: A multidisciplinary quality improvement initiative at a safety-net hospital.

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Abstract e18641: Hospital variation in cancer treatments and survival outcomes of advanced melanoma patients: Nationwide quality assurance in the Netherlands.

First Author: Jesper van Breeschoten, PharmD

Abstract e18642: Improving financial disclosures in oncology.  
First Author: Joseph Heng, MD

Abstract e18643: Cancer-related outcomes in oncology patients admitted to physical rehabilitation facilities.  
First Author: Julie Huang, DO

Abstract e18644: Feasibility of implementing a pharmacist-led DPYD gene testing service for patients commencing 5-fluorouracil (5FU) or capecitabine.  
First Author: Benjamin Lee

Abstract e18645: Descriptive study of the therapeutic aggressiveness in oncology patients in the hospital area of Huelva.  
First Author: María Amor Urbano

Abstract e18646: Development of an aid to decision-making form (ADF) integrated into a major institutional program in oncology: A tool to support care goal identification.  
First Author: Laurence Vigouret-Viant, MD

Abstract e18648: Reducing hospitalizations: Implementation of CADD pumps in infusion clinic at a Los Angeles safety net hospital.  
First Author: Tiffanie Thy Do

Abstract e18649: Biomarker testing in non-small cell lung cancer (NSCLC): An assessment of current practices in precision oncology in the community setting—A trial of the ECOG-ACRIN cancer research group (EAQ161CD).  
First Author: Julia Rachel Trosman, PhD, MBA

Abstract e18650: Diagnostic discrepancies in second opinion pathology reviews in a community-based cancer center.  
First Author: Albert Pedroza

Abstract e18651: Insomnia in cancer patients.  
First Author: Sara Ashraf, MD

Abstract e18652: Patient, provider, and nurse preferences regarding patient-reported outcomes (PRO) and side effect management during cancer treatment of minority, rural and economically disadvantaged patients.  
First Author: Bernard Tawfik, MD

Abstract e18653: A qualitative analysis of care management based on a large community-based oncology group's value-based care experience.  
First Author: Melinda S. Hill, PhD

Abstract e18654: Reduced blood product utilization via implementation of an anemia clinic and consult service in a large health system hospital.

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Abstract e18655: Transition of dose-adjusted EPOCH therapy into the outpatient healthcare setting, quality and cost considerations under an alternate payment model.

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Abstract e18656: Can online patient reviews be used to assess oncologist competency? RateMD as a cancer care evaluation tool.

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Abstract e18657: Impact of tobacco and illicit drug use in the care of adolescent and young adults with sarcoma.

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Abstract e18658: Impact of psychosocial factors on the receipt of guideline concordant care in adolescent and young adults with localized Ewing sarcoma and osteosarcoma.

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Abstract e18659: Quality indicators for glioblastoma treatment: An audit from a tertiary care cancer center in India.

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Abstract e18662: Availability, reading level, quality, and accessibility of online cancer center smoking cessation materials.

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Abstract e18663: An optimized mathematical model for cancer patient care planning in the COVID-19 era.

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Abstract e18664: Mobile and comprehensive assessment of patient-reported outcomes (PRO) in routine inpatient cancer care: A three-arm randomized controlled feasibility study.

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Abstract e18665: Multi-level QI interventions in a safety-net academic oncology clinic.

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Abstract e18666: Improving pneumococcal vaccination rates in pediatric acute lymphoblastic leukemia/lymphoblastic lymphoma.

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Abstract e18667: Practice transformation at scale through a microsystems quality improvement (QI) approach.

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Abstract e18668: Descriptive cross-sectional analysis of lung cancer screening in inner city resident run clinic.

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Abstract e18669: Optimizing blood product utilization: A whole lot to gain and nothing to lose!

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Abstract e18671: Effect of activity monitoring on quality of life in patients with gastrointestinal cancer undergoing chemoradiation.

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Abstract e18672: Improving access to timely pain management in an underserved oncology clinic: A palliative care-oncology partnership.

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Abstract e18673: Clinical treatment pathways utilization in an outpatient academic cancer center.

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Abstract e18674: Improving the inclusion rate in clinical trials of bladder cancer despite COVID-19 pandemic by using ASCO quality training program.

First Author: Natalia Vidal, MD

Abstract e18675: Real-world clinical adverse events (AEs) among nonmetastatic castration-resistant prostate cancer (nmCRPC) patients treated with novel anti-androgen (AA) therapies: A retrospective database study.

First Author: Stephen J. Freedland, MD

Abstract e18676: Development of evidence-based clinical pathways for an outpatient oncology acute care clinic.

First Author: Shayna Simon, BCOP, PharmD

Abstract e18677: Early impact of lung cancer screening program.

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Abstract e18678: Identifying pre-existing dementia in older adults diagnosed with cancer using a national claims database.

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Abstract e18680: Mental health care utilization among veterans with castration-resistant prostate cancer receiving abiraterone or enzalutamide.

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Abstract e18681: The efficacy and safety of oral levofloxacin therapy for overall infection prophylaxis in cancer patients with neutropenia in outpatient settings.

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Abstract e18682: Analysis of reasons for emergency department (ED) visits and resulting hospital admissions in breast cancer patients: A retrospective study from rural cancer center in Maine.

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Abstract e18683: Evaluation of emergency department (ED) visits by oncology patients: A running comparison to admissions and ED visits under the CMS OP-35 ruling.

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Abstract e18685: COVID-19 and cancer care: Embedding high-value changes into practice.

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Abstract e18686: Improving admission medication reconciliation at a tertiary cancer center.

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Abstract e18687: The feasibility of same day pegfilgrastim-cbqv administration in breast cancer patients receiving myelosuppressive chemotherapy regimens at a northern Virginia cancer center.

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Abstract e18688: Off-label targeted therapy (TT) use in recurrent/metastatic NSCLC.

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Abstract e18689: Treatment of metastatic disease with immune checkpoint inhibitors nivolumab and pembrolizumab: Effect of performance status on clinical outcomes.

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Abstract e18690: Prevalence of potential drug-drug interactions among nonmetastatic castration-resistant prostate cancer patients treated with apalutamide and enzalutamide.

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Abstract e18691: Acute thromboembolic events (TE) within 30 days of COVID-19 infection in cancer patients.

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Abstract e18693: Treatment patterns among patients with advanced/recurrent endometrial cancer in the United States.

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Abstract e18695: Real-world treatment patterns among advanced HR+/HER2- breast cancer patients in the post-CDK4/6 inhibitor era: An analysis of administrative claims data.

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Abstract e18696: Real-world overall response rate and other outcomes related to originator and biosimilar rituximabin patients with chronic lymphocytic leukemia or non-Hodgkin's lymphoma in the United Kingdom.

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Abstract e18697: Social distancing to avoid SARS-Cov-2 infection in cancer and non-cancer patients.

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Abstract e18698: Treatment patterns, overall survival, and healthcare utilization among Medicare beneficiaries with endometrial cancer in the United States.

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Abstract e18700: Impact of clonal hematopoiesis to tumor-targeted liquid biopsy in a Chinese pan-cancer cohort.

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Abstract e18701: Real-world trends in biosimilar prescribing among oncology providers, 2019-2021.

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Abstract e18702: Real-world data analysis of the utilization of second-line maintenance therapy for patients with advanced ovarian cancer.

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Abstract e18705: Drivers and barriers to information seeking: Qualitative research with advanced cervical cancer patients in the United States.

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Abstract e18706: Using randomized trial data to estimate effects of complex treatment regimens in real-world patients.

First Author: Michael Webster-Clark, PharmD, PhD

Abstract e18707: Real-world progression-free survival among patients with newly diagnosed advanced ovarian cancer: Does maintenance therapy work?

First Author: Jinan Liu, MD, PhD

Abstract e18708: How did the COVID crisis affect use of neoadjuvant therapy for patients with breast cancer?

First Author: Anees B. Chagpar, MD, MPH, MBA, MSc, MA, FACS, FRCS, FASCO

Abstract e18709: COVID-19 disease in patients with LUNG cancer in Spain: GRAVID LunG cancer pAtients coVid19 Disease (GRAVID STUDY).

First Author: Mariano Provencio

Abstract e18710: Real-world patterns and predictors of first-line maintenance use among patients with newly diagnosed advanced ovarian cancer: Is there an opportunity for change?

First Author: Jinan Liu, MD, PhD

Abstract e18711: Assessment of differences in demographic characteristics and clinical diagnoses among black and white oncology patients with COVID.

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Abstract e18713: Head-to-head comparison of first-line FOLFIRINOX versus gemcitabine plus nabpaclitaxel (GN) in advanced pancreatic cancer (APC): A target trial emulation using Canadian real-world data.

First Author: Devon J. Boyne, MSc

Abstract e18714: Prevalence of the concurrent administration of contraindicated medications in patients with cancer treated with tyrosine kinase inhibitors (TKIs): A pilot study from the IU Simon Comprehensive Cancer Center.

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Abstract e18715: COVID-19 and hematologic diseases: Risk factors and long-term follow-up of CHRONOS19 Registry.

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Abstract e18716: Patient concerns and disruptions in cancer care during the COVID-19 pandemic.

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Abstract e18718: Clinical relevance of comprehensive genomic profiling for advanced cancers in India.

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Abstract e18719: Clinical pathways implementation in a community-based oncology practice: Real-world outcomes in patients with non-small cell lung cancer segmented by disease stage at

diagnosis.

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Abstract e18720: Characterizing safety and efficacy in ovarian cancer patients with thromboembolism treated with rivaroxaban.

First Author: Christine G. Kohn

Abstract e18722: Mental health needs among parents of children with cancer: A commercial claims data analysis.

First Author: Xin Hu

Abstract e18723: Chemotherapy at the end of life in colorectal and pancreatic cancer: Real-world data and trends over time.

First Author: Catherine Dunn, MBBS

Abstract e18724: Incidence of tozinameran adverse events among the employees of National Cancer Institute.

First Author: Patrik Palacka, MD, PhD, MPH, MBA, BA

Abstract e18725: Verification of statistical oncological endpoints on encrypted data: Confirming the feasibility of real-world data sharing without the need to reveal protected patient information.

First Author: Ravit Geva, MD

Abstract e18726: Seminomatous and non-seminomatous mediastinal germ cell tumors (MGCT): A real-world analysis from two tertiary care centers in India.

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Abstract e18727: Real-world treatment patterns and outcomes of triple-exposed multiple myeloma patients treated in community oncology practices in the United States.

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Abstract e18728: Evolution of standard of care therapies used for recurrent or metastatic head and neck squamous cell carcinoma (R/M HNSCC): A real-world analysis of patient health records from 2016 to 2019.

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Abstract e18729: Association of proton pump inhibitors with survival in Veterans with non-small cell lung cancer receiving immunotherapy.

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Abstract e18730: ctDNA analysis in patients with cancer of unknown primary and its value in guiding targeted treatment when combined with predicted cancer types by 90-gene reverse-

transcription polymerase chain reaction assay.

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Abstract e18731: The real-world evidence of first-line treatment of pembrolizumab in advanced NSCLC.

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Abstract e18732: Patterns and costs of hospital-based cancer care in the last year of life: A national data linkage study in Scotland.

First Author: Katharina Diernberger

Abstract e18733: Comparison of population characteristics, treatment modes, and clinical outcomes of patients with advanced non-small cell lung cancer in clinical trials and in the real world received PD-1/PD-L1 inhibitor.

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Abstract e18734: Trends in new cancer treatments with targeted molecular therapies before and during the COVID-19 outbreak in Veneto, Italy: A real-world, population-based study.

First Author: Fabio Girardi, MPhil, MD

Abstract e18736: Prospective cohort of real-world, curative-intent breast cancer treatment patterns in Malawi.

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Abstract e18737: Treatment response among patients with multiple myeloma initiating daratumumab across different lines of therapy: A real-world chart review study.

First Author: Shebli Atrash, MD

Abstract e18739: Real-world data on usage of scalp cooling for chemotherapy associated alopecia in the United States.

First Author: Nicole Olivia Williams, MD

Abstract e18740: Frequency, characteristics, and subsequent treatment (Tx) of real-world patients (pts) who discontinue hedgehog inhibitors (HHIs) as first-line (1L) systemic Tx for advanced basal cell carcinoma (aBCC).

First Author: Charles Lance Cowey, MD

Abstract e18742: Outcomes in patients (pts) with advanced basal cell carcinoma (aBCC) who discontinued hedgehog inhibitors (HHI) as first-line (1L) systemic treatment (Tx) in a U.S. community oncology setting: A retrospective observational study.

First Author: Charles Lance Cowey, MD

Abstract e18744: Covid-19 infection in patients with a history of everolimus use.

First Author: Metin Pehlivan, MD

Abstract e18746: Treatment patterns following first-line pertuzumab + trastuzumab in patients with HER2+ metastatic breast cancer in the United States.

First Author: Sandhya Mehta, PhD

Abstract e18747: Extracting longitudinal anticancer treatments at scale using deep natural language processing and temporal reasoning.

First Author: Meng Ma, PhD

Abstract e18748: Do differences in baseline clinical severity of ovarian cancer patients with thrombosis predict treatment with rivaroxaban versus low molecular-weight heparin?

First Author: Christine G. Kohn

Abstract e18749: Evaluating real-world overall survival (rwOS) across oncology data sources: Friends of Cancer Research non-small cell lung cancer pilot study.

First Author: Laura Lasiter, PhD

Abstract e18750: Treatment changes in prostate cancer patients on active treatment during the COVID-19 pandemic in a community cancer center in New York City.

First Author: Rose Snyder

Abstract e18751: Analyzing immuno-related adverse event: A real-world DATA study.

First Author: Blanca Cantos

Abstract e18753: Risk factors for hospitalization for cancer patients with SARS-CoV-2 infection.

First Author: Zainab Shahid, MD

Abstract e18754: Barriers to next-generation sequencing despite increased utilization: U.S. physician survey results.

First Author: Allysen Kaminski, BA

Abstract e18755: A comprehensive Memorial Sloan Kettering Cancer Center real-world data model: Core clinical data elements.

First Author: Neil J. Shah, MD

Abstract e18756: The impact of the COVID-19 pandemic on oncology clinical trial recruitment in an Irish cancer center.

First Author: Ronan Andrew McLaughlin, MB BS

Abstract e18757: Survey study of barriers to evidence-based decision-making in oncology care using next-generation sequencing.

First Author: Elizabeth A. Szamreta, PhD

Abstract e18758: Facility contextual effects influence the use of adjuvant immunotherapy in stage III melanoma.

First Author: Laura D. Leonard

Abstract e18760: Changes in chronic disease medication adherence following oral anticancer agent initiation in patients with multiple myeloma.

First Author: Justin Gatwood, PhD, MPH

Abstract e18761: Description of asymptomatic cancer patients with COVID-19 infection: Experience of the ACHOCC-19 study in one Latin American country.

First Author: Aylen Vanessa Ospina Serrano

Abstract e18762: Retrospective study on the management of patients admitted for febrile neutropenia and considered to be at low risk at the Centre Hospitalier Universitaire de Québec.

First Author: Tommy Jean, MD

Abstract e18763: Effect of influenza vaccination on immune-related adverse events in patients receiving single-agent immune checkpoint inhibitors for the treatment of cancer.

First Author: Naga Malleswari Vutukuri, MD

Abstract e18764: Prevalence of lung cancer in Colombia and a new diagnostic algorithm using health administrative databases: A real-world evidence study.

First Author: Giancarlo Buitrago

Abstract e18765: Delays in time to antibiotics in inpatient oncologic neutropenic fever do not predict decreased overall survival.

First Author: Jordan Villars, MS, MPA

Abstract e18766: Real-world treatment patterns, adherence, costs, and healthcare resource utilization associated with Waldenström macroglobulinemia in the United States.

First Author: Keri Yang, MBA, MPH, MS, PhD

Abstract e18767: Psychosocial impact of COVID-19 pandemic among patients under oncological treatment.

First Author: Daniela Pezzutti Domingues Armentano

Abstract e18768: Your voice matters during COVID-19: Evaluation of digital divides across a tertiary cancer center.

First Author: Amir Safavi, MD, MSc

Abstract e18769: Patterns and costs of hospital-based cancer care in the last year of life: A national data linkage study in England.

First Author: Xhyljeta Luta

Abstract e18770: Real-world clinical practice: Toxicities of maintenance PARP inhibitors in recurrent ovarian cancer—The Royal Marsden experience.

First Author: Zohra Ali, MBBS, MRCP

Abstract e18774: Comprehensive real-world evidence research in stage III and IV melanoma: Evaluation of a cohort of patients treated at a Portuguese institution.

First Author: Ivo Julião, MD

Abstract e18775: Real-time data quality assurance analysis for real-world, pan-cancer data.

First Author: Samantha Brown, MS

Abstract e18776: Upper respiratory tract SARS-CoV-2 viral shedding in cancer patients.

First Author: Zainab Shahid, MD

Abstract e18777: Association of azole antifungals with survival in patients with non-small cell lung cancer receiving immunotherapy.

First Author: Nikhil Sebastian, MD

Abstract e18778: Real-world BRAF testing patterns for patients with metastatic colorectal cancer (mCRC), metastatic melanoma, and non-small cell lung cancer (NSCLC).

First Author: Michelle L. Edwards, BCOP, PharmD

Abstract e18779: Clinical trials participation is directly influenced by the information received by cancer patients (pts) and caregivers: Real-world evidence with the use of a specialized digital health platform.

First Author: Keren Greenfeld-Barsky, MA

Abstract e18780: Quality initiative (QI) in unresectable stage III non-small cell lung cancer (NSCLC): Impact on time-to-treatment (TTT) for immunotherapy post chemoradiation (CRT).

First Author: Mike Gart, MBA

Abstract e18781: Evaluation of multiple myeloma clinical decision support tool value for assessing treatment selection variation when populated with community health system data.

First Author: Steven E. Labkoff, FACP, MD

Abstract e18782: The present scenario of colorectal cancer in Southeastern Brazil.

First Author: Jose Zago Pulido, MD

Abstract e18783: Pregnancy after breast cancer: A population-based study of survival and obstetric outcomes.

First Author: Jose Alejandro Rauh-Hain

Abstract e18784: Lung cancer health services utilization and associated cost for the Colombian health system: A propensity score analysis of a national cohort of prevalent patients.

First Author: Giancarlo Buitrago

Abstract e18785: Impact of COVID-19 pandemic in hospitalizations due to brain tumors from the epicenter of Latin America.

First Author: Isabella Batista Martins Portugal, MD

Abstract e18786: Impact of COVID-19 on delay in cancer diagnostic testing.

First Author: Anna Juncker-Jensen, PhD

Abstract e18787: FDA Oncology Center of Excellence landscape analysis of real-world data submissions for oncology drugs.

First Author: Donna Rivera, PharmD, MSc

Abstract e18788: Thrombotic complications with SARS-CoV-2 infection in patients with cancer on high-risk therapies: Data from the COVID-19 and Cancer Consortium (CCC19).

First Author: Shuchi Gulati, MD, MS

Abstract e18789: Early mortality in metastatic cancer: A SEER population data analysis.

First Author: Opher Globus, MD

Abstract e18790: Real-world risk of anosmia with cancer directed systemic therapy: A pharmacovigilance assessment using FDA Adverse Events Reporting System (FAERS) database.

First Author: Anahat Kaur, MD

Abstract e18791: Real-world outcomes of neoadjuvant treatment for HER2 positive early-stage breast cancer.

First Author: Hiten Naik, MD

Abstract e18792: The impact of COVID-19 pandemic on access to new patient cancer care as evaluated in the Integra Connect Database (ICD).

First Author: Mike Gart, MBA

Abstract e18793: Abiraterone prescribed by medical oncologist versus urologist in patients with metastatic castration-resistant prostate cancer: Real-world data from a public institution in Peru.

First Author: Rodrigo Motta

Abstract e18794: Cancer therapy related dysphonia: Analysis of real-world FAERS data.

First Author: Shuai Wang, MD

Abstract e18796: Effect of first-line pembrolizumab treatment in individuals with advanced non-small cell lung cancer and poor performance status.

First Author: Rajwanth Veluswamy, MD

Abstract e18797: Impact of the COVID-19 pandemic on treatment in patients (pts) with gynecological (GYN) cancer: A comparison with 2019 data from Guy's Cancer Centre.

First Author: Vasiliki Michalarea, MD

Abstract e18800: Stage migration in breast cancer: Better detection or semantics in staging?

First Author: Leah Elson, MS

Abstract e18802: Incidence and severity of systemic allergic reactions (SAR) reported with chemotherapeutic drugs.

First Author: Beulah Elsa Thomas

Abstract e18803: Thromboprophylaxis in active cancer patients: Is it a controversial clinical issue or not? Preliminary results of ACT4CAT study.

First Author: Nikolaos Tsoukalas, MD, MS, PhD

Abstract e18804: Evaluation of cardiotoxicity related to cancer treatment in an urban safety-net hospital.

First Author: Michelle Jeung-Eun Lee, MD PhD

Abstract e18805: Propping up the parents: An environmental scan of childcare programs available to cancer patients in North America.

First Author: Katherine Preston, BSc

Abstract e18806: Impact of COVID-19 on initial treatment of breast and colorectal cancers in one integrated healthcare system.

First Author: Jayasree P. Sundaram, MD

Abstract e18807: Impact of COVID-19 in the screening and treatment of breast cancer in the Brazilian public health system: Data from a healthcare data warehouse.

First Author: Alessandra Menezes Morelle, PhD

Abstract e18808: Effect of healthcare fragmentation on breast, stomach, and colorectal cancer mortality in Colombia: A measurement estimated through administrative databases.

First Author: Nicolás Rozo Agudelo, Medical Doctor

Abstract e18809: Impact and predictors of readmission in hypercalcemia of malignancy: Findings of a nationwide analysis.

First Author: Binav Baral

Abstract e18810: Estimating breast, stomach, and colorectal cancer incidence in Colombia through administrative database algorithms: A systematic review of literature and real-world data study.

First Author: Laura Estefania Saldaña Espinel, Medical Doctor

Abstract e18811: Patient and caregiver experience with an online, open-access, standardized, evidence-based, cancer drug and supportive care educational platform.

First Author: Jeffrey A Gilreath, PharmD

Abstract e18812: The COVID-19 pandemic led to a reduction in cancer services in Australia.

First Author: Christine Biondi

Abstract e18813: The City of Hope POSEIDON enterprise-wide platform for real-world data and evidence in cancer.

First Author: Samir Courdy

Abstract e18814: Reduction in prostate cancer hospitalizations in the COVID-19 pandemic epicenter of Latin America.

First Author: Isabella Batista Martins Portugal, MD

Abstract e18815: Clinical characteristics and outcomes of cancer patients with chronic kidney disease and coronavirus disease 2019.

First Author: Omar Mamlouk, MD

Abstract e18816: Acute kidney injury and major outcomes in cancer patients with no history of chronic kidney disease (CKD) with coronavirus 2019 (COVID-19) infection.

First Author: Cesar Simbaqueba, MD

Abstract e18817: Budget impact (BI) analysis of cemiplimab for first-line (1L) advanced non-small cell lung cancer (NSCLC) with programmed cell death-ligand 1 (PD-L1)  $\geq 50\%$  in the United States.

First Author: Andreas Kuznik

Abstract e18818: Does the precision oncology medicine development pathway deliver value for health systems?

First Author: Raymond Henderson, MSc, PhD

Abstract e18819: Prevalence-adjusted trends in U.S. healthcare spending on colorectal cancer, 1996-2016.

First Author: Igor Stukalin, MD

Abstract e18820: U.S. budget impact analysis of biosimilar versus originator intravenous rituximab for the treatment of non-Hodgkin lymphoma (NHL), chronic lymphocytic leukemia (CLL), rheumatoid arthritis (RA), granulomatosis with polyangiitis (GPA) and microscopic

polyangiitis (MPA).

First Author: Elizabeth James

Abstract e18821: U.S. budget impact analysis of an intravenous rituximab biosimilar versus subcutaneous rituximab for the treatment of non-Hodgkin lymphoma (NHL) and chronic lymphocytic leukemia (CLL).

First Author: Elizabeth James

Abstract e18822: U.S. budget impact analysis of body surface area (BSA) dosing for a rituximab biosimilar vs flat-fixed dosing for subcutaneous rituximab in non-Hodgkin lymphoma (NHL) and chronic lymphocytic leukemia (CLL).

First Author: Stephen Thompson

Abstract e18823: Novel elements of value in the context of oncology.

First Author: Sachin Kamal-Bahl, PhD

Abstract e18824: Real-world trends in costs of next generation sequencing (NGS) testing in U.S. setting.

First Author: Kaushal Desai, PhD

Abstract e18825: Factors associated with off-label (OL) drug use in oncology: The role of cost and financing in a universal healthcare system.

First Author: Noa Gordon, MPH

Abstract e18826: Lack of pre-planned financial outcomes evaluation in phase 3 cancer trials.

First Author: Sonal S. Noticewala, MD

Abstract e18827: Multidimensional assessment of the financial toxicity (FT) of cancer among older Mexican adults and their families: A mixed methods study.

First Author: Sofia Sánchez-Román, PhD

Abstract e18828: Patient out-of-pocket savings with lower-dose trastuzumab.

First Author: Marie S. Dreyer, MD

Abstract e18829: Cost-effectiveness of atezolizumab and bevacizumab in advanced hepatocellular carcinoma.

First Author: Kishan Patel

Abstract e18830: Budget impact (BI) analysis of cemiplimab-rwlc for advanced basal cell carcinoma (BCC) after hedgehog inhibitor (HHI) therapy in the United States.

First Author: Eleanor Paul

Abstract e18834: Comprehensive genomic profiling in advanced/metastatic colorectal cancer: Number needed to test and budget impact of expanded first-line use.  
First Author: David Proudman, MBiochem, MPH

Abstract e18835: Insurance data of patients receiving sequential immune checkpoint inhibitors: A single center experience.  
First Author: Muhammad Awidi, MD

Abstract e18836: Health care cost impact associated with adverse events (AEs) among treatments in third-line+ (3L+) relapsed/refractory follicular lymphoma (R/R FL).  
First Author: Sameh Gaballa, MD

Abstract e18837: Cost-efficiency analysis of conversion from reference pegfilgrastim to its biosimilar (pegfilgrastim-jmdb) and expanded access to food and transportation support for Medicare/Medicaid patients within the CMS Oncology Care Model.  
First Author: Karen MacDonald, PhD

Abstract e18838: Cost-effectiveness analysis of p53 immunohistochemical testing in stage I and II high-risk endometrial cancer.  
First Author: Taylor Orellana, MD

Abstract e18839: U.S. budget impact (BI) model for selinexor, bortezomib, and dexamethasone (XVd) for the treatment of patients with previously treated multiple myeloma (MM).  
First Author: Mike Dolph, MSc

Abstract e18840: Economic impact of compassionate use of medicines.  
First Author: Claudio Jommi

Abstract e18841: Interventions to alleviate financial toxicity among patients with cancer: A systematic review.  
First Author: Asad Arastu, MD, MSc

Abstract e18842: Prospects of off-label (OL) drug use in oncology: Identifying predicting variables for registration and universal healthcare reimbursement.  
First Author: Noa Gordon, MPH

Abstract e18843: Dispersion in total cost of care for Medicare fee-for-service (FFS) patients with metastatic pancreatic cancer receiving FDA-approved/NCCN Category 1 regimens at 340B versus non-340B institutions.  
First Author: Helen Latimer, MPH

Abstract e18844: Costs, throughput time, and proportion of valid test results, a model-based analysis of liquid biopsies for stage IV non-small cell lung cancer.  
First Author: Simone N. Koole, MD

Abstract e18845: Cost-effectiveness of apixaban versus other direct oral anticoagulants and low-molecular-weight-heparins for cancer associated venous thromboembolism in Spain.  
First Author: Andres J. Muñoz Martín, MD, PhD

Abstract e18846: Cost-effectiveness of subcutaneous pertuzumab, trastuzumab, and hyaluronidase-zzxf for the treatment of high-risk HER2+ early breast cancer.  
First Author: Jesse Sussell, PhD

Abstract e18847: Cost-effectiveness of atezolizumab monotherapy versus pembrolizumab monotherapy for first-line (1L) treatment of metastatic non-small cell lung cancer (mNSCLC).  
First Author: Chia-Wei Lin, PhD

Abstract e18849: Cost-effectiveness of adjuvant chemotherapy for stage III colon cancer in the South African public healthcare setting.  
First Author: Yoanna S Pumpalova, MD

Abstract e18850: Bundling cancer subtypes in value-based care: A pilot analysis of lymphoma episodes in the Oncology Care Model.  
First Author: Andrew Yue, PhD

Abstract e18851: Comparing survival outcomes for advanced cancer patients who access comprehensive genomic sequencing using a registry-based synthetic control arm.  
First Author: Sophie O Haire

Abstract e18852: Impact of cancer- and patient-level factors on provider risk in the Oncology Care Model.  
First Author: Basit Iqbal Chaudhry, MD, PhD

Abstract e18853: Evaluating differential cost growth across individual cancers: Insights from Oncology Care Model data.  
First Author: Basit Iqbal Chaudhry, MD, PhD

Abstract e18854: Modeling Medicare's Oncology Care Model bundles at more clinically granular levels: Evaluating the impact on provider performance.  
First Author: Andrew Yue, PhD

Abstract e18856: Cost-effectiveness of zanubrutinib versus ibrutinib in adult patients with Waldenström macroglobulinemia in the United States.  
First Author: Jorge J. Castillo, MD

Abstract e18857: Health care costs among adolescent young adults with cancer at a community-based hospital.  
First Author: Kekoa Taparra, MD, PhD

Abstract e18858: Site of service trend and chemotherapy costs of commercial insured patients in 2020 compared to 2014.

First Author: Rogelio Alberto Brito, DO

Abstract e18859: Establishing a health economics and value unit at the Children's Cancer Hospital–Egypt: Introducing a practical approach for evidence-based decision making.

First Author: Ranin Soliman, DPhil Candidate, MSc.

Abstract e18861: Assessing the use of low value oncology care following the release of Choosing Wisely guidelines.

First Author: Alexander Gunn, M.S.

Abstract e18862: Total and out-of-pocket costs for patients undergoing hematopoietic cell transplantation.

First Author: Nandita Khera, MD

Abstract e18863: Risk factors for 30-day readmissions in patients with tumor lysis syndrome and solid malignancies: Analysis from the National Readmission Database.

First Author: Estefania Gauto, Medical Doctor (MD)

## **Hematologic Malignancies—Leukemia, Myelodysplastic Syndromes, and Allotransplant**

Abstract e19000: Validation of AML-Score in older adults receiving daunorubicin/cytarabine liposome intensive induction chemotherapy for treatment of secondary acute myeloid leukemia.

First Author: Abigail Schmucker

Abstract e19001: The potential treatment of antroquinonol in adult patients with relapsed acute myeloid leukemia (AML).

First Author: Shou-Bao Wu, MD

Abstract e19002: MRD assessment using NGS in patients with acute myeloid leukemia undergoing hematopoietic stem cell transplantation: Meta-analysis.

First Author: Osama Mosalem, MD

Abstract e19003: A population-based study of acute panmyelosis with myelofibrosis in the United States: 2004 to 2015.

First Author: Nicole McLaughlin, MD

Abstract e19004: Effect of induction intensity on survival in patients with acute myeloid leukemia.

First Author: Kieran Sahasrabudhe, MD

Abstract e19005: Event free survival in adults with relapsed ALL who underwent front-line therapy with CALGB 10403.

First Author: Suravi Raychaudhuri, MD

Abstract e19006: Pre-B cell receptor expression in B-lineage acute lymphoblastic leukemia: A report from the Children's Oncology Group.

First Author: Stuart S. Winter, MD

Abstract e19007: Treatment outcomes of cohesin complex-mutant myelodysplastic syndrome and acute myeloid leukemia.

First Author: Narayanan Sadagopan

Abstract e19008: Response rates in acute myeloid leukemia patients treated with attenuated durations of venetoclax in combination with hypomethylating agents.

First Author: Dena Blanding, MD

Abstract e19009: Code status transitions in patients with high-risk acute myeloid leukemia (AML).

First Author: Hannah Rebeccah Abrams

Abstract e19010: Outcomes of IDH1/2 mutant AML patients treated with IDH1/2 inhibitors: A single institutional experience.

First Author: Constantine Nick Logothetis, MD

Abstract e19011: Outcomes in AML patients receiving HMA + venetoclax combination with prior HMA exposure.

First Author: Bakos Keegan Jonathan, MD

Abstract e19012: Associations of coping strategies with quality of life (QOL) and mood in patients with acute myeloid leukemia (AML).

First Author: Matthew J. Reynolds, BA

Abstract e19013: Development of a multiomics and functional drug sensitivity platform to investigate cell type specific drug effects in AML.

First Author: Marianne T. Santaguida, BSc, PhD

Abstract e19014: Outcomes with preemptive donor lymphocyte infusions after allogeneic hematopoietic stem cell transplantation for acute myeloid leukemia and myelodysplastic syndromes: A systematic review and meta-analysis.

First Author: Syed Ather Hussain, MD

Abstract e19016: Perianal disease remains an understudied and difficult complication in leukemia patients.

First Author: Shreya Gupta

Abstract e19018: Characteristics and outcomes of patients diagnosed with DNMT3A mutated acute myeloblastic leukemia.

First Author: Daniel Rivera, MD

Abstract e19019: Quizartinib with decitabine and venetoclax (triplet) is highly active in patients with FLT3-ITD mutated acute myeloid leukemia (AML).

First Author: Musa Yilmaz, MD

Abstract e19020: A national study of allogeneic stem cell transplantation for adults with acute myeloid leukemia: Do gender and age above 70 years matter?

First Author: Josephine Emole, MD, MBBS

Abstract e19021: Outcomes with CD34 stem cell boost for poor graft function after allogeneic hematopoietic stem cell transplantation for hematologic malignancies: A systemic review and meta-analysis.

First Author: Moazzam Shahzad, MD

Abstract e19022: The effect of different types of allogeneic hematopoietic stem cell transplantation donors in Philadelphia chromosome-positive acute lymphoblastic leukemia during tyrosine kinase inhibitors era: A systematic review and meta-analysis.

First Author: Ben Ponvilawan, MD

Abstract e19023: Association of acute graft versus host disease clinical outcomes and the Ann Arbor Biomarker Risk Probability Using the Commercial Assay.

First Author: Luke Mountjoy, DO

Abstract e19024: Low incidence of hepatic veno-occlusive disease (VOD) in patients with B-cell acute lymphoblastic leukemia (B-ALL) treated with inotuzumab ozogamicin (INO) followed by allogeneic stem cell transplantation (allo-SCT).

First Author: Kirk Cahill

Abstract e19025: Acute polymyositis presenting as chronic graft-versus-host disease: A systemic review.

First Author: Abdul Basit

Abstract e19026: Association of post-transplant outcomes with induction intensity in patients with acute myeloid leukemia.

First Author: Melanie Rebechi, MD

Abstract e19027: Impact of clostridioides difficile infection on acute graft-versus-host disease in allogeneic transplant patients.

First Author: Prasanth Lingamaneni, MD

Abstract e19028: Long-term follow-up of adult hematopoietic stem cell transplant recipients diagnosed with COVID-19.

First Author: Stephanie Hoffman, BS, MD

Abstract e19029: Clinicopathological characteristics of CML in children and young adults.

First Author: Sobia Yaqub

Abstract e19030: Retrospective real-world comparison of clinical and economic burden between first-generation and second-generation tyrosine kinase inhibitors (TKIs) in chronic myeloid leukemia (CML).

First Author: T. Alexander Smith

Abstract e19031: First-line treatment outcomes of CML patients in a real-world data setting in Lebanon.

First Author: Fadi Nasr, MD

Abstract e19032: Comparative study on iron content detection by energy spectral CT and MRI in MDS patients.

First Author: Yao Zhang

Abstract e19033: The association between myelodysplastic syndromes (MDS) and inflammatory bowel diseases (IBD): Analysis of Nationwide Inpatient Sample (NIS) database.

First Author: Mali Barbi

Abstract e19034: Treatments and outcomes for patients with myelodysplastic syndrome (MDS) by Revised International Prognostic Scoring System (IPSS-R) scores at the Huntsman Cancer Institute (HCI).

First Author: Connor Willis, PharmD

Abstract e19035: Outcomes with venetoclax in myelodysplastic syndromes: A systematic review.

First Author: Razwana Khanam, MD

Abstract e19036: Increased mortality among smokers with myelodysplastic syndrome (MDS).

First Author: Phaeton D. Zavras, MD

Abstract e19037: Updated overall survival of eltanexor for the treatment of patients with hypomethylating agent refractory myelodysplastic syndrome.

First Author: Sangmin Lee, MD

Abstract e19038: Outcomes and predictors of hospital mortality of patients with Philadelphia-negative myeloproliferative neoplasms and sepsis: A Nationwide Inpatient Sample Database analysis.

First Author: Luis F. Gonzalez Mosquera, MD

Abstract e19039: Improved transfusion independence rates for momelotinib versus ruxolitinib in anemic JAKi naïve myelofibrosis patients independent of baseline platelet or transfusion status.

First Author: Jean-Jacques Kiladjian, MD, PhD

Abstract e19040: Longitudinal and individual symptom analyses of momelotinib and ruxolitinib treated myelofibrosis patients from SIMPLIFY-1.

First Author: Ruben A. Mesa, MD

Abstract e19041: Acquired hypolipoproteinemia and hemophagocytic lymphohistiocytosis: A previously unexplored association?

First Author: Leo Edward Reap III, DO

Abstract e19042: Pulmonary fungal infections in acute leukemias and aggressive lymphomas: Analysis of the United States National Inpatient Database.

First Author: Oluwatobi Ozoya, MD, MPH

Abstract e19043: Outcomes of CNS involvement in blastic plasmacytoid dendritic cell neoplasm (BPDCN).

First Author: Irl Brian Greenwell, MD

Abstract e19045: A systematic review of post-transplant lymphoproliferative disorder after liver transplant.

First Author: Mobeen Zaka Haider, MBBS, MD

Abstract e19046: A systematic review of post-transplant lymphoproliferative disorder after lung transplant.

First Author: Mobeen Zaka Haider, MBBS, MD

Abstract e19047: Mitigating the risk of transfusion-transmitted bacterial infections in hematology oncology patients.

First Author: Harold Alvarez, Medical Director of the cell therapy lab, transfusion services and apheresis

Abstract e19048: Hematologic malignancy patients suffer higher mortality and morbidity from COVID-19 than solid tumor patients.

First Author: Maxwell Masters Krem, MD, PhD

## **Hematologic Malignancies—Lymphoma and Chronic Lymphocytic Leukemia**

Abstract e19500: Chimeric antigen receptor T-cell therapy real-world assessment of total cost of care and clinical events for the treatment of relapsed or refractory lymphoma.

First Author: Brett Sahli, PharmD

Abstract e19501: Impact of time to relapse and response to salvage therapy on post autologous stem cell transplant outcomes in relapsed or refractory diffuse large B-cell lymphoma.

First Author: Aung M. Tun, MBBS

Abstract e19502: Bruton tyrosine kinase inhibitors (BTKi) therapies in chronic lymphocytic leukemia (CLL): Review of multiple trials data for incidence of lymphocytosis and designation of partial response with lymphocytosis (PRL).

First Author: Jayant Narang, MD

Abstract e19503: Serious infections and cardiovascular complications among patients with chronic lymphocytic lymphoma treated with first-line ibrutinib or bendamustine/rituximab.

First Author: Debra E. Irwin, PhD, MPH

Abstract e19504: Cachexia is an independent factor for negative clinical and functional outcomes in lymphoma patients receiving CART therapy.

First Author: Ishan Roy, MD, PhD

Abstract e19505: Clinical and economic burden among patients with chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL) receiving first-line (1L) chemoimmunotherapy (CIT) by risk status: A chart-linked claims analysis.

First Author: Lori A. Leslie, MD

Abstract e19506: Preliminary results of the phase 2 study of zanubrutinib in patients with previously treated B-cell malignancies intolerant to ibrutinib and/or acalabrutinib.

First Author: Mazyar Shadman, MD, MPH

Abstract e19507: Tislelizumab (BGB-A317) for relapsed/refractory (R/R) classical Hodgkin lymphoma (cHL): Long-term follow-up efficacy and safety results from a phase 2 study.

First Author: Yuqin Song, MD, PhD

Abstract e19508: The impact of atrial fibrillation on hospitalization outcomes for patients with chronic lymphocytic leukemia: A large database analysis.

First Author: Mohammad Ammad Ud Din, MD

Abstract e19509: Rate of seroconversion for routine vaccinations in patients with chronic lymphocytic leukemia on ibrutinib.

First Author: Mohammad Ammad Ud Din, MD

Abstract e19511: Integrative structural variant and breakpoint detection using optical genome mapping in a patient with a transformed diffuse large B-cell lymphoma from chronic lymphocytic leukemia.

First Author: Jiachi Wang, MD, PhD

Abstract e19512: Analyzing treatment patterns and time to the next treatment in chronic lymphocytic leukemia real-world data using automated temporal phenotyping.

First Author: Kyeryoung Lee, PhD

Abstract e19513: Outreach: Preliminary safety and efficacy results from a phase 2 study of lisocabtagene maraleucel (liso-cel) in the nonuniversity setting.

First Author: John E. Godwin, MD, MS

Abstract e19514: ABVD (doxorubicin, bleomycin, vinblastine, dacarbazine) as front-line therapy for Hodgkins lymphoma in Hispanic patients: A single center experience from Texas-Mexico Border.

First Author: Sumit Gaur, MD

Abstract e19515: Safety and efficacy of chidamide in combination with decitabine plus anti-PD-1 camrelizumab after relapse or progression on decitabine-plus-camrelizumab in classical Hodgkin lymphoma.

First Author: Chunmeng Wang

Abstract e19516: A retrospective study of efficacy and safety of mechlorethamine, vindesine, liposomal doxorubicin, and prednisone (MODP) in relapsed/refractory classical Hodgkin lymphoma.

First Author: Min-Hang Zhou

Abstract e19518: Outcomes after initial refusal of curative treatment in patients with Hodgkin's lymphoma in British Columbia.

First Author: Manik Chahal, MD, PhD

Abstract e19519: Phase II trial of GVDexa (gemcitabine, vinorelbine and dexamethasone) regimen in relapsed/refractory Hodgkin's lymphoma.

First Author: Nikita Mehra, MD, DM

Abstract e19520: A nationwide analysis of healthcare utilization and outcomes of sepsis in HIV versus non-HIV patients with Hodgkin lymphoma.

First Author: Prasanth Lingamaneni, MD

Abstract e19521: Trichostatin A sensitivity signature across hematological cell lines.

First Author: Bartłomiej Przychodzen, PhD

Abstract e19522: Imaging determinants of early progression in relapsed and refractory Hodgkin and diffuse large B cell lymphoma.

First Author: Surabhi Bajpai, MBBS, DMRD

Abstract e19523: Incidence and survival of Hodgkin lymphoma patients treated at a national cancer center in a middle-income country from 1999-2018: A report of 1,382 cases.

First Author: Jule Franve Vasquez Chavez, MD

Abstract e19524: Outcomes in peripheral T-cell lymphomas: An analysis of patients treated at a single academic institution.

First Author: Philippos Apolinario Costa, MD

Abstract e19525: Risk of secondary malignancies in non-Hodgkin lymphoma survivors: 40 years of follow-up assessed by treatment modality.

First Author: Matthew Parsons, MD

Abstract e19526: Clinical characteristics and outcomes of adult lymphoma-associated hemophagocytic lymphohistiocytosis (HLH).

First Author: Christina Y. Lee, MD

Abstract e19527: Outcomes in mantle cell lymphoma with central nervous system involvement.

First Author: Nicole McLaughlin, MD

Abstract e19528: Real-world incidence and costs of serious infections and cardiovascular complications among patients with indolent non-Hodgkin lymphoma treated with first-line ibrutinib or bendamustine/rituximab.

First Author: Debra E. Irwin, PhD, MPH

Abstract e19530: Treatment outcomes of stage IE intestinal extra-nodal marginal zone lymphoma: A National Cancer Database study.

First Author: Reggie M Thomes, DO

Abstract e19531: Characterization of BCL-2 alternative proteins and outcome in patients with peripheral T-cell lymphoma (PTCL).

First Author: Mario L. Marques-Piubelli

Abstract e19532: Efficacy and safety of duvelisib, a phosphoinositide 3 kinase (PI3K)  $\delta$  and  $\gamma$  inhibitor, in Chinese patients (pts) with relapsed/refractory follicular lymphoma (R/R FL): A single-arm, open-label, multicenter, phase II clinical trial.

First Author: Zhong Zheng, PhD

Abstract e19534: Real-world treatment patterns and outcomes in patients with follicular lymphoma in the United States.

First Author: Jamie T. Ta

Abstract e19535: Polatuzumab vedotin-bendamustine-rituximab (PBR) versus tafasitamab-lenalidomide (TafaL) in ASCT-transplant ineligible relapsed/refractory diffuse large B-cell

lymphoma (R/R DLBCL): Economic evaluation including novel metrics.

First Author: Matthias Calamia, BPharm

Abstract e19536: Healthcare utilization and costs associated with first-line treatment with obinutuzumab- and rituximab-based regimens for follicular lymphoma.

First Author: Jamie T. Ta

Abstract e19537: Safety and efficacy of tisagenlecleucel (tisa-cel) plus pembrolizumab (pembro) in patients (pts) with relapsed/refractory diffuse large B-cell lymphoma (r/r DLBCL): Updated analysis of the phase 1b PORTIA study.

First Author: Ulrich Jäger, MD

Abstract e19538: T-cell clonality in peripheral blood as a predictor of progression to systemic treatment in patients with stage IB mycosis fungoides (MF).

First Author: Suravi Raychaudhuri, MD

Abstract e19539: Clinical and morphological characteristics or immunohistochemical factors determine the results of treatment for diffuse large B-cell lymphoma?

First Author: Luiza B. Kushtova

Abstract e19540: First-line treatment with Bendamustine plus Rituximab for patients with indolent non-Hodgkin's lymphoma or Mantle cell lymphoma: Real-world experience.

First Author: Rouslan Kotchetkov, MD, PhD

Abstract e19541: Evaluation of same day pegfilgrastim (PFG) or PFG-cbqv prophylaxis of chemotherapy induced (Febrile) neutropenia (CIN/FN) in bendamustine plus rituximab (BR) and CHOP+/-R regimens in patients with lymphoma and chronic lymphocytic leukemia (CLL): Real-world, single-center experience.

First Author: Ali McBride, PharmD, MS

Abstract e19542: Same-day pegfilgrastim or pegfilgrastim-cbqv prophylaxis in miniCHOP chemotherapy based regimens for non-Hodgkin lymphoma.

First Author: Trace Bartels

Abstract e19543: Survival outcomes of post-transplant lymphoproliferative disorder: A 12-year analysis.

First Author: Hira Ghazal Shaikh, MD

Abstract e19545: Safety of same day HD-MTX with induction therapy for DLBCL with concurrent CNS disease or as prophylaxis for high risk of CNS relapse.

First Author: Brett Barlow

Abstract e19547: Outcomes in primary cutaneous diffuse large B-cell lymphoma, leg type.

First Author: Robert M. Kraft, MD

Abstract e19548: Clinical outcomes in patients relapsed/refractory after  $\geq 2$  prior lines of therapy for follicular lymphoma: A systematic literature review and meta-analysis.

First Author: Steve Kanters, PhD

Abstract e19549: Prognostic value of BCL2 and TP53 genetic alterations for diffuse large B-cell lymphoma treated with R-CHOP.

First Author: Yan Qin

Abstract e19550: Healthcare resource use (HRU) by infusion setting of chimeric antigen receptor T-cell (CAR-T) in patients with relapsed and refractory (r/r) diffuse large B-cell lymphoma (DLBCL): A retrospective cohort study using CMS 100% Medicare database.

First Author: Jing Zhao, PhD

Abstract e19551: Estimating costs of adverse events (AEs) and healthcare resource use (HRU) in patients with relapsed or refractory diffuse large B-cell lymphoma (r/r DLBCL) receiving tisagenlecleucel (tisa-cel) and axicabtagene ciloleucel (axi-cel): A summary of real-world evidence.

First Author: Hongbo Yang, PhD

Abstract e19552: Diffuse large B-cell lymphoma with leukemic involvement.

First Author: Justin J. Kuhlman, MD

Abstract e19553: Practice patterns in children, adolescents, and young adults with mycosis fungoides: Single institution study.

First Author: Madeline Hooper, BA

Abstract e19554: The impact of body weight and body mass index on outcomes of diffuse large B-cell lymphoma treated with axicabtagene ciloleucel.

First Author: Kitsada Wudhikarn, MD

Abstract e19556: Characteristics, outcomes, and risk factors of ICANS after axicabtagene ciloleucel: Does age matter?

First Author: Kitsada Wudhikarn, MD

Abstract e19559: Prognostic value of early imaging following CAR T-cell therapy in DLBCL.

First Author: Amneet Bajwa, MD MBA

Abstract e19560: Resource use and costs in patients with relapsed/refractory diffuse large B-cell lymphoma who initiated a third-line therapy in the post CAR-T era: A longitudinal outlook.

First Author: Lei Chen, MD, PhD

Abstract e19561: Health care utilization and outcomes of sepsis in HIV versus non-HIV patients with Burkitt Lymphoma: A nationwide analysis.

First Author: Binav Baral

Abstract e19562: Effectiveness of intravenous high-dose methotrexate for prevention of relapse in patients with DLBCL.

First Author: Hind Alotaibi

Abstract e19563: Prognostic biomarkers for primary Sjögren's syndrome-associated non-Hodgkin's lymphoma.

First Author: Kevin Sheng-Kai Ma

Abstract e19565: Clinical utility of interim CT scans in patients receiving bendamustine and rituximab for first line treatment of follicular lymphoma.

First Author: Farheen Manji, MD

Abstract e19566: Limited stage mantle cell lymphoma: Results of overall survival based on treatment modality using SEER database.

First Author: Apoorva Jayarangaiah, MD

Abstract e19567: Prevalence and outcomes of sepsis in HIV versus non-HIV patients with diffuse large B-cell lymphoma: A nationwide analysis.

First Author: Muhammad Junaid Tariq, MD

Abstract e19568: Association of PET/CT response assessment prior to CAR T-cell infusion with outcomes after CAR T-cell therapy in aggressive B-cell lymphomas.

First Author: Alexandra Nader

Abstract e19569: A comparative study of non-Hodgkin lymphoma between public versus private institution in a middle-income country: A report of 2,317 cases.

First Author: Jule Franve Vasquez Chavez, MD

Abstract e19570: Prognostic factors of survival in patients with Burkitt lymphoma treated at the National Institute of Neoplastic Diseases in Peru: A 14-years' experience.

First Author: Rossana Solf

Abstract e19571: Hypercalcemia as a predictor of adverse treatment outcomes in DLBCL during chemotherapy: A national inpatient database study.

First Author: Dennis Danso Kumi

Abstract e19572: Parameters of cellular immunity in patients with lymphomas after COVID-19.

First Author: Inna A. Kamaeva

Abstract e19573: Real-world evidence (RWE) study of CAR-T agents in leukemia and lymphoma patients.

First Author: Lincy S. Lal, PhD

Abstract e19574: Breast implant-associated anaplastic large cell lymphoma (BIA-ALCL): Quantifying the direct economic costs of post-treatment radiological surveillance.  
First Author: Rachel Louise O'Connell, MBBS BSc MD(res) FRCS

Abstract e19576: Clinical characteristics and outcome of mycosis fungoides among children, adolescents, and young adults: Single institution study.  
First Author: Eric Taylor, BS

Abstract e19577: A systematic review of post-transplant lymphoproliferative disorder after renal transplantation.  
First Author: Zarlakhta Zamani, MBBS

Abstract e19578: Secondary hemophagocytic lymphohistiocytosis (HLH): Five years' experience at the UTHealth McGovern Medical School at Houston, Texas.  
First Author: Frances Natalia Cervoni-Curet

Abstract e19579: Adult malignancy-associated hemophagocytic lymphohistiocytosis: Case series.  
First Author: Inês Leão, MD

### **Hematologic Malignancies—Plasma Cell Dyscrasia**

Abstract e20000: Chemotherapy-based stem cell mobilization in multiple myeloma patients treated with novel agents: The Mayo Clinic experience.  
First Author: Iuliana Vaxman, MD

Abstract e20001: Retrospective study to assess the impact of hepatitis C virus infection on the prognosis and management of multiple myeloma.  
First Author: David Kaldas

Abstract e20002: Results of the phase 2 MARCH Study: Oral ATG-010 (Selinexor) plus low dose dexamethasone in Chinese patients with relapsed/refractory multiple myeloma (RRMM) previously treated with an immunomodulatory agent (IMiD) and a proteasome inhibitor (PI).  
First Author: Weijun Fu, MD

Abstract e20003: Outcomes of patients with multiple myeloma treated at a regional Australian center compared to a metropolitan Australian center.  
First Author: Sylvia Ai

Abstract e20004: Physical function, cognitive impairment, and quality-of-life among adults with multiple myeloma and associated plasma cell disorders.  
First Author: Christopher Edward Jensen, MD

Abstract e20005: Testing Mayo Clinic's new 20/20/20 risk stratification model in another cohort of smoldering myeloma patients: A retrospective study.

First Author: Camille Tessier, MD

Abstract e20006: Effect of acute kidney injury on hospital-based outcomes in patients with multiple myeloma.

First Author: Muhammad Usman Zafar, MD

Abstract e20007: Safety of subcutaneous daratumumab in the treatment of plasma-cell disorders: A single-center experience.

First Author: Jung Kye, PharmD

Abstract e20008: Correlation of Agent Orange exposure, cytogenetics, and clinical outcomes in multiple myeloma and MGUS.

First Author: Pruthali Kulkarni, DO

Abstract e20010: Economic evaluation of six and 12 month (m) treatment with isatuximab and carfilzomib and dexamethasone (IKd) versus daratumumab and carfilzomib and dexamethasone (DKd) in patients with relapsed or refractory multiple myeloma (RRMM).

First Author: Neda AlRawashdh, PharmD

Abstract e20011: Daratumumab, pomalidomide, and dexamethasone in relapsed refractory multiple myeloma (RRMM): A comparison with contemporary clinical trials.

First Author: Barry Paul, MD, MS

Abstract e20012: Clinical presentation of multiple myeloma by race/ethnicity and Asian subgroup in an integrated healthcare system.

First Author: Adnan Ahmed Khan, MD

Abstract e20013: Single cell multiomic analysis and immune cell type profiling of multiple myeloma with t(4;14).

First Author: Sanjay deMel, MD

Abstract e20014: Profile and management of toxicity of selinexor and belantamab mafodotin for the treatment of relapsed/refractory multiple myeloma: A systematic review.

First Author: Karun Neupane, MBBS

Abstract e20015: Isatuximab plus carfilzomib and dexamethasone in east Asian patients with relapsed multiple myeloma: IKEMA subgroup analysis.

First Author: Kihyun Kim, MD

Abstract e20016: Impact of stratifying levels of serum lactate dehydrogenase (LDH) at diagnosis on the overall survival (OS) in newly diagnosed multiple myeloma (NDMM).

First Author: Laura Evans

Abstract e20017: Frailty in relapsed/ refractory multiple myeloma registration trials.  
First Author: Meena N. Murugappan, PharmD, MPH, PhD(c)

Abstract e20019: Race as a predictor of outcome in young patients with myeloma.  
First Author: Francesca Cottini, MD

Abstract e20020: Selinexor containing regimens in patients with multiple myeloma (MM) previously treated with anti-CD38 monoclonal antibodies ( $\alpha$ CD38 mAbs).  
First Author: Cristina Gasparetto, MD

Abstract e20022: Patient-reported experience platform identifies discordance between guidelines and real-world practice: Maintenance therapy for high-risk multiple myeloma.  
First Author: Nathan W. Sweeney, PhD

Abstract e20024: Patient-reported efficacy and toxicity in CAR T-cell therapy for multiple myeloma via Internet-based platforms.  
First Author: Nathan W. Sweeney, PhD

Abstract e20025: Acute and chronic cancer-related distress among multiple myeloma patients during the COVID-19 pandemic.  
First Author: Jenny Ahlstrom

Abstract e20026: Tandem versus single autologous stem cell transplant: A patient-reported outcome.  
First Author: Thomas H. Molina

Abstract e20027: A pilot study of physical activity in newly diagnosed elderly patients with multiple myeloma.  
First Author: Adam F Binder, MD

Abstract e20028: Characterization of smoldering multiple myeloma: A population-based cohort study.  
First Author: Raleigh Ayoolu Fatoki, MBA, MD

Abstract e20031: Salvage autologous stem cell transplantation in daratumumab refractory multiple myeloma (MM).  
First Author: Lakshmi Yarlagadda, MD

Abstract e20032: Role of adjunct plasma exchange or high cut-off hemodialysis in the management of myeloma cast nephropathy: A systematic review.  
First Author: Nazma Hanif, MD

Abstract e20033: Clinical and financial implications of central venous catheters bloodstream infections in patients with multiple myeloma in the United States.

First Author: Pool Tobar, MD

Abstract e20034: Recent updates on bispecific T-cell engager (BiTE) antibodies in relapsed and refractory multiple myeloma.

First Author: Abdul Rafae, MD

Abstract e20035: Continuous genomic monitoring of multiple myeloma patients to identify patients of high risk for poor prognosis.

First Author: Yu Liu, Ph. D

Abstract e20037: Choosing optimal therapy for relapsed refractory multiple myeloma: A systematic review and network meta-analysis.

First Author: Mahum Nadeem

Abstract e20038: Bispecific CART cells in the treatment of relapsed and refractory multiple myeloma: A review of literature.

First Author: Joshua Christy

Abstract e20039: Recent updates on three drug combination regimen for relapsed refractory multiple myeloma.

First Author: Tabinda Saleem

Abstract e20040: Association of kappa light chain restriction with peripheral neuropathy among patients with non-IgM monoclonal gammopathy of undetermined significance.

First Author: Constantin A. Dasanu, MD, PhD

Abstract e20041: Differences in disease characteristics and outcomes in older versus younger adults with multiple myeloma.

First Author: Michael Jacobs

Abstract e20042: Management of light chain deposition disease: A systematic review.

First Author: Adeel Masood, MD

Abstract e20043: Clinical presentation and outcome of patients with AL amyloidosis requiring salvage therapy.

First Author: Chen Wang, MD

Abstract e20044: Integrative medicine and plasma cell disorders.

First Author: Onyemaechi Okolo, MD

## **Lung Cancer—Non-Small Cell Local-Regional/Small Cell/Other Thoracic Cancers**

Abstract e20500: In-depth genomic characterization of programmed cell death ligand 1 (PD-L1) expression in Chinese lung adenocarcinoma patients.

First Author: Li Kang

Abstract e20501: Evaluation of the safety and effectiveness of switching from standard to extended interval dosing for durvalumab in unresectable stage III non-small cell lung cancer.

First Author: Stephanie Mac, PharmD

Abstract e20503: Longitudinal analysis of dynamic changes of T-lymphocytes during multimodal treatment of patients with inoperable stage III NSCLC.

First Author: Thomas Philipp Hofer

Abstract e20504: Weekly osimertinib dosing to prevent *EGFR* mutant tumor cells destined to home mouse lungs.

First Author: Ashwin Butle, PhD

Abstract e20505: Distinct clinical characteristics and prognosis of ground-glass opacity-type lung cancer: A systematic review and meta-analysis.

First Author: Ren Chongxi, MD.

Abstract e20506: The novel approach to distinguish primary multiple lung adenocarcinomas from intrapulmonary metastases by next generation sequencing in Chinese patients.

First Author: Lin Li, MM

Abstract e20507: Prevalence of EGFR mutation testing in early-stage lung cancer: Implications of the ADAURA trial for clinical practice.

First Author: Estelamari Rodriguez, MD, MPH

Abstract e20508: Thyroid hormone receptor  $\alpha 1$  acts as a new squamous cell lung cancer diagnostic marker and poor prognosis predictor: Can it be a novel therapeutic target?

First Author: Fatma El Zahraa Ammar Mohamed, Assistant Professor of Pathology

Abstract e20509: Relationship between loss-of-function mutation of the stromal antigen 2 gene and treatment in non-small cell lung cancer.

First Author: Minglei Zhuo

Abstract e20510: Characteristic of genetic and t cell receptor repertoire of Chinese multiple primary lung cancer patients.

First Author: Naixin Liang

Abstract e20511: Genomic features of lung cancer patients harboring germline mutations associated with hereditary cancer syndromes.

First Author: Jian Sun

Abstract e20512: Immune subtypes in LUAD identify novel tumor microenvironment profiles with prognostic and therapeutic implications.

First Author: Shuoyan Liu

Abstract e20513: Mutational landscape with a focus on KRAS mutations in non-small lung cancer in Taiwan.

First Author: Nguyet Tran, MPH

Abstract e20514: Diagnostic signatures for lung cancer by gut microbiome and urine metabolomics profiling.

First Author: Bo Qiu, MD

Abstract e20515: Large cell neuroendocrine carcinoma of the lung: Prognostic factors to predict clinical outcomes.

First Author: Elisa Andrini

Abstract e20516: Comprehensive characterization of genomic and radiologic features reveals distinct driver patterns of RTK/RAS pathway in pulmonary nodules presenting as ground-glass opacity.

First Author: Muyun Peng, MD

Abstract e20517: Investigation of immune microenvironment in EGFR mutant NSCLC.

First Author: Yi Hu

Abstract e20518: Deep learning survival model on transcriptomes level in patients with non-small cell lung cancer.

First Author: Hao Yu

Abstract e20519: Overexpression of LILRB2 (ILT4) is correlated with immunosuppressive immune infiltration in lung adenocarcinoma.

First Author: Butuo Li

Abstract e20520: Analysis of genetic mutations associated with immune-activated microenvironment in lung adenocarcinoma.

First Author: Zhen Liang, PhD

Abstract e20522: Real-world concordance between tumor mutational burden (TMB) from blood (circulating tumor DNA) and tissue in lung cancer.

First Author: Inae Park

Abstract e20523: Immune heterogeneity in adenocarcinoma and squamous cell carcinoma components of lung adenosquamous carcinoma.

First Author: Gen Lin

Abstract e20524: Association between CNVs of BMI-related gene and survival status of LUAD and LUSC patients.

First Author: Haifeng Luo, MS, PhD

Abstract e20525: Predictors of early hospice or death in patients with inoperable lung cancer treated with curative intent.

First Author: Anna Mary Brown Laucis, MD, MPhil

Abstract e20526: The efficacy and safety of neoadjuvant anti-PD-1 inhibitor combined with platinum-based chemotherapy in patients with potentially resectable non-small cell lung cancer.

First Author: Yongchang Zhang, MD.PhD

Abstract e20527: Germline mutations among patients with non-small cell lung cancer.

First Author: Tongtong Yang

Abstract e20528: Real-world treatment patterns in stages IA-IIIB non-small cell lung cancer.

First Author: Jay M. Lee, MD

Abstract e20529: Dose-painting radiation with concurrent chemotherapy for locally advanced non-small cell lung cancer: A single-center observational study.

First Author: Jiahua Lv

Abstract e20530: Does multiplicity of synchronous multiple lung primaries (SMLPs) affect prognosis.

First Author: RuoBing Xue, MD

Abstract e20531: Outcomes of patients with unresectable stage III non-small cell lung cancer treated with durvalumab and subsequent therapies after disease progression.

First Author: Franco Adjei-Baffour Dickson, BPharm, PharmD

Abstract e20532: Chemoradiation-induced pneumonitis in patients with unresectable stage III non-small cell lung cancer: A meta-analysis.

First Author: Christine Pierce, PhD, MPH

Abstract e20533: Prognostic impact of XPO1 mutations in metastatic non-small cell lung cancer (NSCLC).

First Author: Mohammad Fahad B. Asad, MD

Abstract e20535: Concurrent chemoradiotherapy with weekly cisplatin in stage III unresectable non-small cell lung cancer (NSCLC): A local experience with LATAM patients.

First Author: Carlos Salinas, MD

Abstract e20536: Non-small cell lung cancer population mortality and stage shift.

First Author: Parth Bhargav Patel, BA

Abstract e20537: Surgery versus radiation therapy outcomes in patients with clinical stage 0 non-small cell lung cancer.

First Author: Swapna Narayana, MD

Abstract e20539: Observed survival benefit with limited exposure of durvalumab in unresectable stage III non-small cell lung cancer at a large community-based institution.

First Author: Deepak Vadehra, DO

Abstract e20540: Immune-related histologic phenotype in pretreatment tumor biopsy predicts pathologic response to neoadjuvant anti-PD-1 treatment in squamous lung cancer.

First Author: Pei Yuan

Abstract e20541: Molecular and clinical characteristics of primary pulmonary lymphoepithelioma-like carcinoma.

First Author: Ying Fan

Abstract e20543: CDKN2A or CDKN2B homozygous deletion with high-immune infiltration as a favorable prognostic factor for lung adenocarcinoma.

First Author: Benxu Tan

Abstract e20544: Spatial analysis of the T-cell repertoire in non-small cell lung cancer reveals a clonality gradient from the tumor to the distal lung.

First Author: Meredith Frank

Abstract e20545: Neoadjuvant prehabilitation therapy for locally advanced non-small-cell lung cancer: Optimizing outcomes throughout the trajectory of care.

First Author: Severin Schmid, MD, PhD

Abstract e20546: Detection of actionable molecular alterations through combined DNA/RNA molecular profiling of biopsies collected in early-stage lung cancer at time of diagnosis.

First Author: Joshua Babiarz, PhD

Abstract e20547: The genomic and transcriptomic characteristics of early recurrence patients in stage IA non-small cell lung cancer.

First Author: Shirong Zhang

Abstract e20548: SMARCA4-mutated lung adenocarcinoma, a distinctive non-small cell lung cancer with worse prognosis.

First Author: Longfeng Zhang

Abstract e20549: Assessing tumor metabolic heterogeneity of non-small cell lung cancer with total body PET-CT imaging on the uExplorer: Analysis of dynamic changes of 18F-FDG uptake.

First Author: Hui Liu

Abstract e20550: Adoption of consolidative durvalumab among patients with locally advanced non-small cell lung cancer.

First Author: Vikram Jairam, MD

Abstract e20551: Dynamic 18F-FDG Total body PET Imaging as a predictive marker of induction chemo-immunotherapy response in locally advanced non-small cell lung cancer.

First Author: Hui Liu

Abstract e20552: Correlation of clinical characteristics and immunologic profile of stage III NSCLC patients.

First Author: Nattanit Suriyaphan

Abstract e20553: Construction and validation of an eight-gene risk prediction model for stage II-III A lung adenocarcinoma.

First Author: Jianchun Duan

Abstract e20554: Single institution toxicity of definitive chemoradiation and maintenance durvalumab in locally advanced non-small cell lung cancer.

First Author: Pranitha Prodduturvar

Abstract e20555: Cause of death among patients with non-small cell lung cancer treated with postoperative radiation therapy (PORT).

First Author: Aashray Singareddy

Abstract e20556: Validation of National Comprehensive Cancer Network Guidelines (NCCN) at a single institution.

First Author: Daniel Powell Dolan, MD

Abstract e20557: Association of planning target volume with disease progression in inoperable stage III non-small cell lung cancer patients treated with chemoradiotherapy and concurrent and/or sequential immune checkpoint inhibition.

First Author: Julian Taugner, MD

Abstract e20558: Differential role of residual metabolic tumor volume in patients with inoperable stage III NSCLC after chemoradiotherapy ± immune checkpoint inhibition.

First Author: Marcus Unterrainer

Abstract e20559: Prognostic impact of inflammatory profiling during and after multimodal treatment for stage III NSCLC.

First Author: Lukas Käsmann, MD

Abstract e20560: Using predictive models to determine the presence of non-small cell lung cancer metastasis to N2 and N3 regions.

First Author: Edward Hauptmann, B.S.

Abstract e20561: A national analysis of untreated stage III non-small cell lung cancer in black and white patients.

First Author: Elizabeth Blessing Elimimian, MD

Abstract e20562: Real-world prognostic model for malignant pleural mesothelioma.

First Author: Abdullah Nasser, MD

Abstract e20563: Analysis of chemotherapy efficacy according to histology in malignant pleural mesothelioma (MPM) patients (p).

First Author: Susana Cedres Perez, MD, PhD

Abstract e20564: Anti-PD-1 monotherapy in patients with malignant mesothelioma: A retrospective single institution experience.

First Author: Atif Ali, BS

Abstract e20565: Immunotherapy experience in malignant pleural mesothelioma in a single tertiary center.

First Author: Ervin Saúl Enciso López

Abstract e20566: Residential radon and small cell lung cancer: A case control study.

First Author: Angeles Rodriguez Martinez, Medical Oncologist

Abstract e20567: Role of chest radiation in extensive-stage small cell lung cancer with ipsilateral pleural effusion.

First Author: Takefumi Komiya, MD, PhD

Abstract e20568: Novel ETV1 mutation in small cell lung cancer transformation resistant to EGFR tyrosine kinase inhibitors.

First Author: Yan Zhou, MD, PhD

Abstract e20570: Efficacy and safety of toripalimab with anlotinib and chemotherapy as first-line therapy in patients with extensive-stage small-cell lung cancer: Preliminary results of an open-label, single-arm, phase II study.

First Author: Hao Luo, MD

Abstract e20572: Pooled analysis of clinical activity of immune checkpoint immunotherapy in relapsing/refractory ES-SCLC.

First Author: Venkata Vosuri, ABFT

Abstract e20573: PI3K-AKT pathway alterations are revealed as a potential mechanism of chemoradiation resistance in small cell lung cancer by whole-exome sequencing.

First Author: Ming Chen

Abstract e20574: Efficacy and safety of PD-1/PD-L1 antibody combined with chemotherapy as second-line or third-line treatment for metastatic small cell lung cancer.

First Author: Jun Wang

Abstract e20575: Real-world treatment patterns, clinical outcomes, and health care resource utilization in extensive-stage small cell lung cancer in Canada.

First Author: Dylan E. O'Sullivan, PhD

Abstract e20576: Treatment patterns and characteristics in the second and third-line therapy setting for real-world small cell lung cancer patients.

First Author: Patricia Prince, MPH

Abstract e20577: Overall survival throughout treatment course among patients diagnosed with small cell lung cancer.

First Author: Adina Estrin

Abstract e20578: Small cell lung cancer: Real-world data from two institutions in Lebanon for patients receiving carboplatin etoposide or atezolizumab in first line of treatment.

First Author: Fadi Nasr, MD

Abstract e20580: Comparison of molecular signatures in small cell lung cancer with or without homologous recombination associated gene mutations.

First Author: Lili Fu

Abstract e20581: Clinical utility of circulating genetically abnormal cells in stage I small-cell lung cancer diagnosis.

First Author: Hui Wang

Abstract e20582: Effects of trilaciclib prior to chemotherapy  $\pm$  atezolizumab on T-cell activation in patients with newly diagnosed extensive-stage small cell lung cancer.

First Author: Aaron D. Stevens, PhD

Abstract e20583: The effect and safety of anlotinib combined with irinotecan or docetaxel in small-cell lung cancer (SCLC) relapsed within six months: A single-arm phase II study.

First Author: Minna Zhang

Abstract e20584: Every three weekly irinotecan for refractory/relapsed small cell lung cancer.  
First Author: Snigdha Nutalapati, MD

Abstract e20586: Short-term efficacy and long-term survival of limited-stage small cell lung cancer treated with large fractionation radiotherapy and conventional fractionation radiotherapy.  
First Author: Cheng Chen

Abstract e20587: Multivalent state transitions regulate the intratumoral composition of small cell lung carcinoma.  
First Author: Priyanka Gopal, PhD

Abstract e20588: Clinical and genetic characteristics of EGFR-mutant lung adenocarcinoma transformed SCLC.  
First Author: Linping Gu, Master

Abstract e20589: Assessment of National Comprehensive Cancer Network (NCCN) guideline adherence for lung cancer in a community teaching hospital during COVID-19 pandemic.  
First Author: Mahati Paravathaneni, MD

Abstract e20590: Impact on second-line treatment after failure of immune checkpoint inhibitor (ICI) combination chemotherapy in extensive-disease small cell lung cancer: Experience of the Okayama Lung Cancer Study Group.  
First Author: Yuka Kato, MD, PhD

Abstract e20591: Albumin-bound paclitaxel plus PD-1/PD-L1 inhibitor versus second-line chemotherapy for patients with recurrent small cell lung cancer.  
First Author: Fengchun Mu

Abstract e20592: Incidence of pneumonitis among limited-stage small cell lung cancer patients exposed to concurrent chemoradiation: A systematic literature review and meta-analysis.  
First Author: Ke (Kirsten) Zu

Abstract e20593: Protein expression of programmed cell death ligand 1 and ligand 2 and their prognostic values in extensive-stage small cell lung cancer.  
First Author: Ke (Kirsten) Zu

Abstract e20594: An exploratory analysis of a COVID-truncated REPLATINUM phase 3 trial in SCLC.  
First Author: Alberto Chiappori, MD

Abstract e20595: Pneumonitis in patients with thymoma and Good's syndrome.  
First Author: Margaret Ottaviano, MD

## Lung Cancer—Non-Small Cell Metastatic

Abstract e21000: Molecular characterization of Kita-Kyushu lung cancer antigen (KK-LC-1) expressing carcinomas.

First Author: Robert Hsu, MD, MS

Abstract e21001: Molecular characteristics of *EGFR* exon 20 uncommon R776H mutation and response to osimertinib in NSCLC patients.

First Author: Gaili An

Abstract e21002: Identification of TGFBR2 mutation as a negative predictor of immunotherapy in NSCLC.

First Author: Teng Li

Abstract e21003: Why are oncologists not testing all NSCLC patients for biomarkers in the U.S. market?

First Author: Daniel F. Winkelman, MSc

Abstract e21004: Prevalence [P] of molecular biomarkers [MB] expression [exp] in patients [pts] with metastatic adenocarcinoma lung [MAC]: Illinois CancerCare [ILCC] analysis.

First Author: Nikhil Kumar

Abstract e21005: Effect of PDL1 expression [exp] on overall survival [OS] in patients [pts] with metastatic adenocarcinoma lung [MAC]: Illinois CancerCare [ILCC] analysis.

First Author: Nikhil Kumar

Abstract e21006: *ERO1L* shapes the immune-suppressive tumor microenvironment and is a potential biomarker for immunotherapy response in lung adenocarcinoma.

First Author: Lihui Liu, MD PhD

Abstract e21007: Cancer pathways analysis and correlation with survival in patients with advanced stage non-small cell lung cancer treated with PD-1 inhibitor.

First Author: Marco Tagliamento, MD

Abstract e21008: Expanding the molecular taxonomy of NUT midline carcinomas with multiomic analyses.

First Author: Henry G. Kaplan, MD

Abstract e21010: The prognostic impact of KRAS, TP53, STK11 and KEAP1 mutations and the influence of the NLR in NSCLC patients treated with immunotherapy.

First Author: Francis Proulx-Rocray, MD

Abstract e21011: POLR2A/TPR mutations as potential biomarker for better efficacy of immunotherapy in non-small cell lung cancer (NSCLC).

First Author: Xiaoyuan Zeng

Abstract e21012: Distinct subset of immune cells assessed by multiplex immunohistochemistry correlates with immune phenotype classified by an artificial intelligence-powered tissue analyzer in advanced non-small cell lung cancer.

First Author: Yoon-La Choi, MD, PhD

Abstract e21014: Patient-derived lung cancer organoids for the selection of therapeutic options in an *ALK*-rearranged tumor.

First Author: Beatriz Jimenez Munarriz

Abstract e21015: Omics guided small molecule inhibitor screen for the identification of therapeutic vulnerabilities in metastatic lung adenocarcinoma.

First Author: Benjamin B. Morris, MS

Abstract e21016: Assessment of BRAF class I/II/III mutations, demographics, and treatment outcomes in NSCLC.

First Author: Julian Andres Marin-Acevedo, MD

Abstract e21018: Increased PD-1 and EGFR expression levels of T lymphocytes in patients with non-small cell lung cancer.

First Author: Ayca Ceylan, PhD

Abstract e21019: Correlation of microsatellite-instable (MSI) status and genomic characteristics in 12,000 Chinese lung cancer patients.

First Author: Liufu Su

Abstract e21020: Exploring the applicability of immunotherapy in different EGFR mutation subgroups based on data analysis of 9,659 Chinese patients with NSCLC.

First Author: Hao Peng

Abstract e21021: Whole-exome sequencing on circulating tumor cells explores platinum-based chemotherapy resistance in advanced non-small cell lung cancer.

First Author: Rong Li

Abstract e21022: Analysis of correlations between driver mutations and biomarkers with response to immunotherapy in patients with metastatic non-small cell lung cancer (NSCLC).

First Author: Jiang Yio

Abstract e21024: Prospective correlation between the patient microbiome with response to and development of immune-mediated adverse effects to immunotherapy in lung cancer.

First Author: Justin Chau, MD

Abstract e21027: Differential responses to therapy in Hispanic NSCLC patients with EGFR, KRAS, or TP53 mutations.

First Author: Fahmin Basher, MD, PhD

Abstract e21028: Outcomes of KRAS mutated, EGFR mutated, ALK mutated and wildtype patients in non-small cell lung cancer brain metastases.

First Author: Yasmeen Rauf

Abstract e21029: Molecular characteristics of BRAF mutated non-small cell lung cancer and therapeutic outcomes: Multi-institution study.

First Author: Guillermo Martos, MD

Abstract e21030: Validation of an immunohistochemical assay, CEACAM5 IHC 769, under development for use with the antibody-drug conjugate tusamitamab ravtansine (SAR408701).

First Author: Nichole LaPointe

Abstract e21031: Comprehensive cancer genomics-based screening of new therapeutic targets and biomarkers for lung cancer.

First Author: Yataro Daigo, MD, PhD

Abstract e21032: Evaluation of different *MET* genotypes as biomarkers for immunotherapy outcomes in NSCLC patients.

First Author: Xuanzong Li

Abstract e21033: Platinum-based chemotherapy combined with endostar in the treatment of advanced NSCLC: A real world study.

First Author: Wei Jiang

Abstract e21034: Costs of the immune check point inhibitors versus survival ratio in first-line non-small lung cancer, cost bundling proposal.

First Author: Helmy M. Guirgis, MD

Abstract e21035: Possible immunologic predictors of the PD-1/PD-L1 checkpoint inhibitors' efficiency in lung cancer patients.

First Author: Elena Yu. Zlatnik

Abstract e21036: Chinese advanced fusion-dependent lung cancer patients: Molecular spectrum and treatment options using next generation sequencing—A multicenter study (Yangtze River Delta Lung Cancer Cooperation Group-001).

First Author: Wen Xian Wang, PhD& MD

Abstract e21037: Antifungal imidazole: Potential new antineoplastic agent-cytotoxic effects on non-small cell lung cancer cell lines (A549).

First Author: Erkan Kahraman, PhD

Abstract e21039: Does denosumab offer survival benefits? Our experience with denosumab in metastatic non-small cell lung cancer patients treated with immune-checkpoint inhibitors.  
First Author: Yenong Cao

Abstract e21040: Anlotinib combined with pemetrexed and carboplatin as first-line treatment in advanced nonsquamous non-small cell lung cancer (NSCLC): ALTER L012.  
First Author: Qiming Wang, MD

Abstract e21041: An integrative scoring system for survival prediction following gefitinib therapy in non-small cell lung cancer: From a long-term real-world study.  
First Author: Shaoxing Guan

Abstract e21042: Neutrophil-lymphocyte ratio (NLR) as a possible predictive factor in patients with advanced NSCLC WHO received immunotherapy.  
First Author: Eduardo Richardet, MD, PhD

Abstract e21043: Real-world experience of dacomitinib in EGFR mutated advanced NSCLC: A single center experience from India.  
First Author: Bivas Biswas, MD

Abstract e21044: Clinical predictive markers of response to immune checkpoint inhibitor therapy in advanced non-small cell lung cancer.  
First Author: Raena Rhone, PharmD

Abstract e21046: STAT6 polymorphism was correlated with gefitinib-induced diarrhea in patients with non-small cell lung cancer.  
First Author: Shaoxing Guan

Abstract e21047: Myocarditis as a rare, yet serious adverse event associated with immune checkpoint inhibitors in patients with non-small cell lung cancer: Case series from a large community-based cancer center.  
First Author: Mohamed Hendawi, MD

Abstract e21048: Tumor expression of cGAS, not STING, negatively impacts on the efficacy of PD-1/L1 inhibitors in non-small cell lung cancer with PD-L1 TPS  $\geq 50$ .  
First Author: Yuichi Ozawa, MD, PhD

Abstract e21049: The relationship between evolving sarcopenia and efficacy of immune checkpoint inhibitor in non-small cell lung cancer patients.  
First Author: Tomonori Makiguchi, PhD

Abstract e21050: Costs comparison of the immune check point inhibitors versus survival ratio in first-line non-small lung cancer.  
First Author: Helmy M. Guirgis, MD

Abstract e21051: A clinical study of camrelizumab combined with chemotherapy and sequential apatinib in the second-line treatment of patients with advanced non-small cell lung cancer.  
First Author: Yueyin Pan

Abstract e21052: Surrogates of response to treatment of non-small cell lung cancer with immunotherapy: Toxicity and leukocyte ratios—Experience of a center.  
First Author: Alba Moratiel Pellitero, MD

Abstract e21053: A phase II study of vorolanib in combination with toripalimab in patients with non-small cell lung cancer.  
First Author: Jun Zhao, PhD

Abstract e21054: Immune checkpoint inhibitor (ICI)-related pneumonitis among patients with lung cancer admitted to an Oncology Hospitalist Service: Treatment patterns and hospitalization outcomes.  
First Author: Hadeel Neamat Sahar, MD

Abstract e21055: Anlotinib plus docetaxel versus docetaxel as second-line treatment for advanced non-small cell lung cancer (NSCLC): Updated results from a phase I/II study.  
First Author: Yong Fang

Abstract e21056: A real-world study of camrelizumab in the treatment of advanced lung cancer patients.  
First Author: Kangsheng Gu

Abstract e21059: Comparison of fusions detection by next generation sequencing between malignant pleural effusion and tumor tissue in lung cancer.  
First Author: Yurong Xu

Abstract e21060: Association of LRP1B mutants with immune biomarkers in Chinese non-small cell lung cancer patients.  
First Author: Yi Zhang, MD

Abstract e21061: Association of *MUC16* mutations with immunotherapy biomarkers in Chinese non-small cell lung cancer patients.  
First Author: Tao Han, MD

Abstract e21062: A phase I/II study of TQ-B2450, a PD-L1 mAb, plus anlotinib in EGFR+ advanced NSCLC patients failed to prior EGFR TKI therapies.  
First Author: Meiqi Shi

Abstract e21063: A phase II study of anlotinib plus whole brain radiation therapy (WBRT) for advanced non-small cell lung cancer with multiple brain metastases.  
First Author: Xiangzhi Zhu

Abstract e21064: Successful treatment of pulmonary lymphangitic carcinomatosis by anlotinib in 14 Chinese patients with advanced non-small cell lung cancer.

First Author: Shencun Fang

Abstract e21065: Efficacy of stereotactic body radiotherapy for oligoprogression on PD-1 axis inhibitors in advanced non-small cell lung cancer: A single-center retrospective study.

First Author: Zhen Wang, MD

Abstract e21066: Efficacy and safety of low-dose albumin-bound paclitaxel plus tislelizumab as second- or further lines treatment for elderly patients with metastatic non-small cell lung cancer.

First Author: Qian Geng, MD

Abstract e21067: Retrospective analysis of efficacy of immune checkpoint inhibitors in *BRCA*-mutant non-small cell lung cancer.

First Author: Shaomu Chen, PhD

Abstract e21068: The efficacy and safety profile of anlotinib plus docetaxel as second-line treatment in advanced non-small cell lung cancer.

First Author: Zhiqiao Xu

Abstract e21069: Spectrum of adipokines, batokines, myokines, and growth factors in blood serum of patients with various stages of lung cancer and with immunotherapy with PD-1/PD-L1 inhibitors.

First Author: Elena Yu. Zlatnik

Abstract e21070: Efficacy and safety of anti-EGFR monoclonal antibody (SCT200) as third-line or further treatment in advanced lung squamous cell cancer.

First Author: Xiaorong Dong

Abstract e21071: Progression pattern and post-progression treatment of furmonertinib (AST2818) in EGFR T790M mutation positive NSCLC patients: A post-hoc analysis from a multicenter, single-arm study.

First Author: Xingsheng Hu

Abstract e21072: Penpulimab in combination with anlotinib as first-line treatment in advanced nonsquamous non-small-cell lung cancer.

First Author: Baohui Han

Abstract e21073: First-line anlotinib-based combination treatment for patients with advanced non-small cell lung cancer: A three arms, prospective study.

First Author: Baohui Han

Abstract e21074: Identification of RET fusion as mechanisms of resistance to EGFR tyrosine-kinase inhibitors.

First Author: Zhongxing Bing, MD

Abstract e21076: Comprehensive T-cell receptor repertoire of Chinese lung cancer patients related with age.

First Author: Huaxia Yang

Abstract e21077: The efficacy and safety of EGFR-TKI combined with chemotherapy in NSCLC patients with EGFR co-mutation with other oncogenic alterations.

First Author: Wenhua Zhao, M.D

Abstract e21078: The prognostic role of body-mass index (BMI) for advanced EGFR positive non-small cell lung cancer (NSCLC) patients treated with osimertinib.

First Author: Andrea De Giglio, MD

Abstract e21079: Safety and efficacy of nivolumab plus recombinant human endostatin in previously treated advanced non-small cell lung cancer: A prospective and multicenter phase 2 trial.

First Author: Weize Lv

Abstract e21081: Adverse events in non-small cell lung cancer patients receiving immune checkpoint inhibitors: A single center, real-world study in China.

First Author: Chongrui Xu, MD, PhD

Abstract e21083: Initial low dose of dacomitinib for first-line treatment of patients with EGFR exon 21 mutated non-small cell lung cancer.

First Author: Kejun Liu

Abstract e21085: The effect of sex and BMI on outcomes in patients with metastatic non-small cell lung cancer treated with immunotherapy.

First Author: Jingxiao Jin, MD

Abstract e21086: Efficacy of weekly paclitaxel-bevacizumab combination in advanced nonsquamous non-small cell lung cancer (NSCLC): AVATAX, a retrospective multicentric study.

First Author: Geoffroy Bilger, MD

Abstract e21087: Population pharmacokinetics (Pop PK) of MYL-14020 (a proposed biosimilar to bevacizumab) and reference product (Avastin) in patients with nonsquamous non-small cell lung cancer (nsNSCLC).

First Author: Joel Owen, BScPharm, PhD

Abstract e21089: An exploratory clinical study of gefitinib combined with anlotinib in the first-line treatment of stage III B-IV EGFR gene mutant non-small cell lung cancer patients with slow

progress.

First Author: Pengyuan Wang

Abstract e21090: The very early tumor regression rate and safety of anlotinib combined with sintilimab and chemotherapy for advanced non-small cell lung cancer without driver mutations.

First Author: Jian Jiang

Abstract e21091: Network meta-analysis (NMA) of immuno-oncology (IO) monotherapy as first-line (1L) treatments (txs) for advanced non-small cell lung cancer (NSCLC) with PD-L1 expression  $\geq 50\%$ .

First Author: Nicholas Freemantle

Abstract e21093: Analysis of first-line treatment (tx) patterns in advanced non-small cell lung cancer (NSCLC) patients (pts) with compromised performance status (PS), organ dysfunction (dfxn) or other significant comorbidities.

First Author: Julia Judd, DO

Abstract e21095: A novel combination score based on early serum tumor markers and neutrophil-to-lymphocyte ratio dynamics predicts response to PD-1/PD-L1 inhibitors in advanced non-small cell lung cancer.

First Author: Jun Wang

Abstract e21096: MRI-based radiomics signature for the prediction of response of lung cancer brain metastases after whole-brain radiotherapy.

First Author: Ruizhe Xu

Abstract e21097: Single-sample enrichment analysis identified predictive biomarker candidates for nivolumab in patients with non-small cell lung cancer.

First Author: Tomoiki Aiba, PhD, MD

Abstract e21098: *KEAP1* mutations in squamous cell lung cancer.

First Author: Sophia Koleczko, MD

Abstract e21099: Efficacy of EGFR-TKIs monotherapy versus TKI plus chemotherapy as first-line treatment in EGFR mutant lung adenocarcinoma with liver metastases.

First Author: Huijuan Wang, PhD

Abstract e21100: Interaction effect between mutational events on predicting efficacious immunotherapy in nonsquamous NSCLC: Results from 1,083 patients.

First Author: Fan Zhang, MD

Abstract e21102: Economic evaluation of crizotinib, alectinib, ceritinib, and brigatinib in treatment naïve anaplastic lymphoma kinase positive (ALK+) non-small cell lung cancer (NSCLC).

First Author: Briana Choi, PharmD

Abstract e21103: Liquid biopsies for the front line therapy decision in non-small cell lung cancer.

First Author: Kayla Brice

Abstract e21104: Economic evaluation of crizotinib, alectinib, ceritinib, and brigatinib in anaplastic lymphoma kinase positive (ALK+) non-small cell lung cancer (NSCLC) as second-line treatment.

First Author: Nimer S. Alkhatib

Abstract e21106: Co-occurring alteration of NOTCH and DDR pathways serve as novel predictor to efficacious immunotherapy in NSCLC.

First Author: Zhimin Zhang

Abstract e21107: Monitoring C-reactive protein facilitates early discontinuation of immune oncology without compromising outcomes in stage IV non-small cell lung cancer.

First Author: Tyler Fugere, MD

Abstract e21108: Financial impact of tepotinib for the treatment of adult patients with metastatic non-small cell lung cancer bearing *MET*ex14 skipping in the United States.

First Author: Matthew Stargardter

Abstract e21110: Integration of proteomic and clinical data for the prediction of response to immune checkpoint inhibitor therapy in non-small cell lung cancer.

First Author: Yuval Shaked, BSc, PhD

Abstract e21112: Atezolizumab in first-line treatment of metastatic nonsquamous non-small cell lung cancer in the real-world setting.

First Author: Javier De Castro

Abstract e21113: Impact of prior ALK-tyrosine kinase inhibitor on pemetrexed-based chemotherapy in patients with advanced ALK positive non-small cell lung cancer.

First Author: Michitoshi Yabe, MD

Abstract e21115: Anlotinib combined with s-1 in the third-line or later-line treatment of stage IV non-small cell lung cancer: Study for phase II clinical trial.

First Author: Xiyue Yang

Abstract e21116: Phase II, noncomparative, open label, multicenter, study of osimertinib, in patients with locally advanced or metastatic EGFR mutated, T790M undetectable or unknown non-small cell lung cancer (Stage IIIB-IV) after no immediate prior EGFR TKI (OSIRIS study).

First Author: Hector J. Soto Parra, MD

Abstract e21117: The role of social determinants on overall survival in advanced-stage non-small cell lung cancer patients.

First Author: Andreas Bello, BS

Abstract e21119: Fibroblast growth factor receptor (FGFR) inhibitor rogaratinib in patients with advanced pretreated squamous-cell non-small cell lung cancer over-expressing FGFR mRNA: The SAKK 19/18 phase II study.

First Author: Alfredo Addeo

Abstract e21120: Efficacy of first-line treatments for patients (pts) with advanced EGFR mutated NSCLC: Network meta-analysis of TKI monotherapy and combinations trials.

First Author: Alexey Bogdanov

Abstract e21121: Feasibility of RECIST-based real-world tumor response assessment in metastatic non-small cell lung cancer patients.

First Author: Nguyet Tran, MPH

Abstract e21123: Sequencing of systemic therapies in advanced NSCLC with *MET* exon 14 skipping mutation: A multicenter experience.

First Author: Sally C. M. Lau, MD

Abstract e21125: Albumin-bilirubin grade as a significant prognostic factor in patients with non-small cell lung cancer treated with anti-PD-1-based therapy: A multicenter retrospective study.

First Author: Shinkichi Takamori

Abstract e21126: Factors on survival for patients of EGFR mutation advanced lung adenocarcinoma with EGFR-TKIs combined with radiotherapy: Real-world data from single center.

First Author: Yuxiang Wang

Abstract e21127: Impact of *KRAS* mutational variant on response to immunotherapy in metastatic NSCLC.

First Author: Shelley Kuang, MD

Abstract e21128: Efficacy of camrelizumab (SHR-1210) plus apatinib with or without stereotactic body radiotherapy (SBRT) as higher-line therapy for advanced *EGFR*-mutant non-small cell lung cancer (NSCLC).

First Author: Rui Meng, PhD

Abstract e21129: Efficacy and safety of anlotinib in the treatment of lung cancer.

First Author: Xinliang Zhou

Abstract e21130: Efficacy and pattern failures of early SBRT to primary tumor in advanced EGFR mutation lung cancer (Target-SBRT): A single-arm phase 2 study.

First Author: Dongqing Lv

Abstract e21131: Stereotactic body radiotherapy to the lung primary lesion improves the survival of patients with non-oligometastatic NSCLC harboring EGFR activating mutation with first-line EGFR-TKIs: A real-world study.

First Author: Yongmei Liu, PhD

Abstract e21132: The low advanced lung cancer inflammation index to predict poor prognosis of patients with metastatic non-small cell lung cancer.

First Author: Ping Lu

Abstract e21134: Efficacy and safety of afatinib in advanced non-small cell lung cancer with EGFR mutations: A real-world study based meta-analysis.

First Author: Lemeng Zhang, PhD

Abstract e21135: Retrospective validation of a pretreatment serum protein profile in metastatic non-small cell lung cancer patients treated with a pembrolizumab containing regime as first line of treatment.

First Author: Wouter W. Mellema, MD, PhD

Abstract e21136: Associations between interaction effects of mutational events and efficient immunotherapy in squamous NSCLC: Results from 373 patients.

First Author: Fan Zhang, MD

Abstract e21137: Association of baseline higher platelet-to-lymphocyte and neutrophil-to-lymphocyte ratios with less durable radiographic response to immune checkpoint inhibitors in non-small cell lung cancer.

First Author: Yenong Cao

Abstract e21139: Comparing active immunotherapy efficacy of PD-L1  $\geq$  50% NSCLC patients: A systematic review and meta-analysis.

First Author: Yi Hu

Abstract e21141: Performance status and activity level of lung cancer patients using wearable devices as passive monitoring: A scoping review.

First Author: Santiago Ponce Aix, MD, PhD

Abstract e21142: Primary and secondary resistance mechanisms in first, second and third generation tyrosine kinase inhibitors in EGFR mutant non-small cell lung cancer patients.

First Author: Moushumi Suryavanshi, MD

Abstract e21143: Association of progression free survival with the timing of genomic testing in non-small cell lung cancer: Evidence from the GuardantInform clinic-genomic database.

First Author: Mark D. Hiatt, MBA, MD, MS

Abstract e21144: Dynamic levels of extracellular vesicle PD-L1 and complementary radiomics for the prediction of the response to immune checkpoint inhibitors in lung cancer patients.

First Author: Christian Diego Rolfo, MD, PhD

Abstract e21145: Machine learning based biomarkers to predict CD8 infiltration in non-small cell lung cancers using CT imaging.

First Author: Yan Liu

Abstract e21147: Interprofessional care team practices and perspectives on immuno-oncology (IO) therapies for metastatic non-small cell lung cancer (mNSCLC): Insights from a nationwide survey.

First Author: Breanne Y. Farris, PhD

Abstract e21149: Predictors of response in EGFR-mutant metastatic non-small cell lung cancer patients treated with tyrosine kinase inhibitors.

First Author: Adnan Aydiner, MD

Abstract e21150: Role of capmatinib in MET exon 14-mutated advanced non-small cell lung cancer (NSCLC): A systematic review.

First Author: Israr Khan

Abstract e21151: Impact of age and frailty markers on overall survival among hospitalized patients with lung cancer treated with immunotherapy.

First Author: Eric Olson, MD

Abstract e21152: PD-1/PD-L1 inhibitors plus chemotherapy versus bevacizumab plus chemotherapy as first-line treatment for advanced nonsquamous non-small cell lung cancer: A Bayesian network meta-analysis of randomized controlled trials.

First Author: Zhibo Zhang

Abstract e21154: Patterns of lung cancer in people living with human immunodeficiency virus (HIV): A retrospective, single-center study in Washington, D.C.

First Author: Margaret Pruitt, MD, PhD

Abstract e21155: Efficacy of various types of chemotherapy for advanced non-small cell lung cancer with EGFR exon 20 in-frame insertions.

First Author: Haibo Tang, MD

Abstract e21156: Real-world outcomes of patients with advanced non-small cell lung cancer and driver mutations treated with frontline immunotherapy and/or chemotherapy.

First Author: Bharathi Muthusamy, MD

Abstract e21157: Molecular testing in advanced lung adenocarcinoma: A single-center experience.

First Author: Mahir Khan, MD

Abstract e21159: Does order matter? Real-world data on outcomes of successive regimens involving anti-PDx-1 in advanced and metastatic non-small cell lung cancer.

First Author: David Hadley, BSc, MSc, PhD

Abstract e21160: Effects of a mucosal coating spray in non-small cell lung cancer patients with nasal mucositis.

First Author: Fang Wang

Abstract e21161: The role of PTEN and TP53 co-mutations in immunotherapy of lung cancer.

First Author: Xiaolong Ma

Abstract e21162: An investigation on acquired mutations after TKI treatment in Chinese lung cancer patients.

First Author: Yong Jiang, MD, PhD

Abstract e21163: Association between germline DNA damage repair-related genes mutation and tumor mutational burden in lung cancer patients.

First Author: Wei Nie

Abstract e21164: Predictive and prognostic significance of PIOS (Patras Immunotherapy Score) model in patients with advanced NSCLC treated with nivolumab or pembrolizumab: Results from a validation cohort.

First Author: Foteinos-Ioannis D. Dimtrakopoulos, MD, PhD

Abstract e21166: Association of TGFBR2 mutations with shorter survival in non-small cell lung cancer treated with immune checkpoint inhibitors.

First Author: Linxin Zheng

Abstract e21167: Upfront thoracic radiotherapy to primary lesion improve outcomes in patients with stage IV non-small cell lung cancer harboring EGFR mutations.

First Author: Ayse Kotek Sedef, MD

Abstract e21170: Immunotherapy in patients with lung cancer with driver mutations: A single center experience.

First Author: Prathyush Vundemodalu Jr., MD DNB Medical oncology

Abstract e21172: Algorithm to derive progression-based lines of therapy from a real-world non-small cell lung cancer (NSCLC) dataset.

First Author: Smita Agrawal

Abstract e21173: An investigation on biomarkers of hyperprogressive disease after PD-1/PDL-1 therapies in Chinese non-small cell lung cancer patients.

First Author: Qingchun Song, PhD

Abstract e21174: Clinical characteristics, co-mutations and outcomes of advanced non-small cell lung cancer (NSCLC) patients with *KRAS* mutations.

First Author: Arun Muthiah, MD

Abstract e21176: The comparison of mutation-based biomarkers for early-stage and advanced-stage non-small cell lung cancer.

First Author: Jie Yao

Abstract e21177: Identification of predictive biomarker for immunotherapy by associating with CD8+T cell Infiltration in lung adenocarcinoma.

First Author: Puyuan Xing

Abstract e21178: Effectiveness of osimertinib plus chemotherapy and avastin for untreated EGFR-mutated advanced non-small cell lung cancer.

First Author: Fang Wang

Abstract e21179: Effectiveness of a shortened cycle of monoimmunotherapy in NSCLC.

First Author: Elizaveta Artemeva, 8-911-089-48-03

Abstract e21181: Longitudinal sequencing of TCR and circulating tumor DNA revealing radiotherapeutic efficacy and prognosis for non-small cell lung cancer patients with brain metastasis.

First Author: Xiaorong Dong, PhD

Abstract e21183: Effect of excess weight on immune-related adverse events from immune checkpoint inhibitor in lung cancer.

First Author: Soravis Osataphan, MD

Abstract e21184: Long-term real-world outcomes of first-line (1L) pembrolizumab (pembro) monotherapy in PD-L1  $\geq 50\%$  metastatic NSCLC.

First Author: Vamsidhar Velcheti, MD, FACP, FCCP

Abstract e21185: Efficacy of gefitinib combined with bevacizumab versus gefitinib in advanced *EGFR* L858R NSCLC.

First Author: Xinmin Zhao

Abstract e21186: A multicenter, randomized, phase II trial of anlotinib plus docetaxel versus docetaxel in EGFR-negative NSCLC patients after progression on first-line platinum-base chemotherapy: ALTER-L018.

First Author: Lin Wu

Abstract e21187: Clinical parameters combined with radiomics features to predict the efficacy of immunotherapy for advanced non-small cell lung cancer.

First Author: Qian Zhao

Abstract e21188: Pulmonary sarcomatoid carcinoma: Retrospective analysis from a single center.

First Author: Suresh Kumar Kumar Sr., MBBS MD DM

Abstract e21189: Associations between longitudinal pretreatment BMI and neutrophil/lymphocyte ratio(NLR) and progression-free(PFS) and overall survival(OS) in advanced NSCLC patients treated with single agent anti-PD-1/anti-PDL1 monoclonal antibodies(mAbs).

First Author: Megan Randall, MD

Abstract e21191: Mir-34a as predictor of immunotherapy efficacy in NSCLC patients.

First Author: Alexia Monastirioti, PhD Student

Abstract e21192: Survival outcomes with the use of immunotherapy (IO) in patients (pts) with metastatic non-small cell lung cancer (mNSCLC) at a large hybrid cancer institute.

First Author: Joanna Alyse Young, DO

Abstract e21193: Real-world outcomes of toripalimab (JS001) in advanced non-small cell lung cancer: A multicenter retrospective study.

First Author: Zhihua Ruan

Abstract e21194: Back to the well: Can patients with advanced non-small cell lung cancer benefit from changing PD-1/PD-L1 inhibitors after progression?

First Author: James Newman, MD

Abstract e21195: A retrospective analysis examining the use of tissue-based and blood-based NGS in patients (pts) with advanced non-small cell lung cancer (NSCLC).

First Author: Adam Hines, MD

Abstract e21196: Molecular profiling by NGS upon progression disease in advanced stage NSCLC patients.

First Author: Roberto Serna

Abstract e21197: Real-world data of osimertinib in the management of leptomeningeal metastases in EGFR mutant NSCLC: Light at the end of the tunnel?

First Author: Mansi Sharma

Abstract e21198: Thrombotic events in patients treated with immune checkpoint inhibitors for non-small cell lung cancer: A retrospective multicentric cohort study.

First Author: Xavier Deschenes-Simard, PhD, MD

Abstract e21199: Spectrum of *BRAF* mutations in Indian patients with NSCLC: A molecular kaleidoscope.

First Author: Mansi Sharma

Abstract e21201: Treatment pattern post-osimertinib failure in EGFR mutated NSCLC in India-CRSF202002 study.

First Author: Kushal Gupta, MD(Internal Medicine), DM(Medical Oncology)

Abstract e21202: Baseline systemic inflammatory immune index may predict overall survival and progression-free survival in patients with non-small cell lung cancer patients on immune checkpoint inhibitors.

First Author: John P. Palmer

Abstract e21203: Circulating immune markers predict the therapeutic effect in primary lung cancer.

First Author: Liangliang Xu

Abstract e21205: Duration of pemetrexed maintenance therapy with or without pembrolizumab is associated with risk of renal toxicity in patients with metastatic nonsquamous NSCLC.

First Author: Tejas Patil, MD

Abstract e21207: Residual of circulating tumor DNA (ctDNA) indicated therapeutic efficacy of sintilimab plus docetaxel in patients with previously treated advanced non-small cell lung cancer (NSCLC).

First Author: Zhehai Wang

Abstract e21208: Cellworks Omics Biology Model (CBM) to identify amplifications of chromosome 11p and 1p predict paclitaxel and carboplatin resistance.

First Author: Michael Castro, MD

Abstract e21209: Overweight or obese patients may take longer to respond and be less responsive to immune checkpoint inhibitors in non-small cell lung cancer: A retrospective review.

First Author: John P. Palmer

Abstract e21210: Prognostic value of systemic inflammatory markers in first- and subsequent-line immunotherapy and durability of response in NSCLC.

First Author: Fahmin Basher, MD, PhD

Abstract e21211: Cellworks Omics Biology Modeling (CBM) to predict therapy response and identifies novel biomarkers for carboplatin/cisplatin along with pemetrexed in NSCLC patients.

First Author: Ansu Kumar, PGDB

Abstract e21212: Outcomes and safety analysis of a phase IB trial of stereotactic body radiotherapy (SBRT) to all sites of oligometastatic non-small cell lung cancer combined with durvalumab and tremelimumab.

First Author: Michael Frederick Bassetti, MD, PhD

Abstract e21213: Impact of immune-related adverse events on survival in patients with advanced non-small cell lung cancer treated with immune checkpoint inhibitors: A real-world perspective.

First Author: Saleha Rizwan, MD

Abstract e21214: Associated factors for poor response in advanced EGFR-mutated NSCLC patients under tyrosine kinase inhibitors: Peruvian real-world data.

First Author: Rodrigo Motta Guerrero

Abstract e21215: Association of IDO immune suppression with brain metastasis in non-small cell lung cancer.

First Author: Weiwei Chen

Abstract e21216: Overall survival comparison in patients with and without brain metastases treated with osimertinib for metastatic EGFR mutation positive non-small cell lung cancer (NSCLC).

First Author: Danilo Giffoni de Mello Morais Mata, MD

Abstract e21217: Comparison of survival outcomes with the use of combination chemoimmunotherapy versus immunotherapy alone in NSCLC with high PD-L1 expression.

First Author: Saleha Rizwan, MD

Abstract e21218: Potential role of serum proteome in predicting immune-related adverse events from immune checkpoint inhibitors in non-small cell lung cancer.

First Author: Leeseul Kim

Abstract e21219: Clinical attributes and outcomes in metastatic non-small cell lung cancer bearing BRAF mutations treated with targeted therapy versus immunotherapy.

First Author: Richa Dawar, MD

## **Melanoma/Skin Cancers**

Abstract e21500: Impact of BRAF mutations on outcomes in metastatic melanoma with central nervous system metastases treated with immune checkpoint inhibitors.

First Author: Hong De Sa

Abstract e21502: Dutch advanced melanoma care in times of COVID-19.

First Author: Olivier Jules van Not, MD

Abstract e21503: Treatment of advanced mucosal melanoma in the immunotherapy era: A joint institutional case series.

First Author: Abigail Gee

Abstract e21504: PREX2 mutation serves as a novel predictor of response to anti-PD-1/PD-L1 treatment in melanoma.

First Author: Lifang Cai

Abstract e21505: Combination of pembrolizumab (PEMBRO) plus temozolomide (TMZ) therapy in Chinese patients (pts) with advanced acral and mucosal melanoma.

First Author: Tu Hu

Abstract e21506: A phase I trial of pembrolizumab plus vemurafenib and cobimetinib in patients with advanced melanoma.

First Author: Saba Shaikh

Abstract e21507: The efficacy and safety analysis of PD-1 inhibitor combined with interferon- $\alpha$ 1b: A real-world study in Chinese metastatic melanoma patients.

First Author: Guannan Zhu, PhD

Abstract e21509: Immune status in merkel cell carcinoma: Relationships with clinical factors and independent prognostic value.

First Author: Mehran Yusuf

Abstract e21511: Second-line (2L) pembrolizumab (pembro) in Chinese patients (pts) with advanced melanoma: Three-year follow up (FU) of the phase 1 KEYNOTE-151 study.

First Author: Jun Guo, MD

Abstract e21512: Patient human leukocyte antigen (HLA) genotype may predict response to anti-programmed death receptor 1 (anti-PD1) in advanced melanoma.

First Author: Oliver Oey, BSc

Abstract e21513: Characterization of liver function tests (LFTs) following tebentafusp (tebe) in previously treated (2L+) metastatic uveal melanoma (mUM) patients (pts).

First Author: Takami Sato, Professor Medical Oncology

Abstract e21514: Comparison of the efficacy and toxicity of anti-PD-1 monoclonal antibodies (nivolumab versus pembrolizumab) in treatment of patients with metastatic melanoma.  
First Author: Bozena Cybulska-Stopa, MD, PhD

Abstract e21515: Genomic analysis of primary malignant melanoma of the esophagus.  
First Author: Jingjing Li

Abstract e21516: Adjuvant PD-1 inhibitor versus high-dose interferon  $\alpha$ -2b for Chinese patients with cutaneous and acral melanoma: A retrospective cohort analysis.  
First Author: JiuHong Wang

Abstract e21517: Continuous infusion of Endostar combined with chemotherapy in patients with advanced or recurrent mucosal melanoma: A real-world cohort study.  
First Author: Xin Liu, MD

Abstract e21518: Is radiation necrosis in radiated melanoma brain metastasis increasing because immunotherapy is contributing to this or are patients just living longer?  
First Author: Elizabeth Iannotti Buchbinder, MD

Abstract e21519: Incidence of immune-related adverse events with pembrolizumab in advanced melanoma and correlation with treatment response: A single institution review of irAEs.  
First Author: Caitlyn N. Myrdal, BS

Abstract e21520: Outcomes of stage IV melanoma in the era of immunotherapy (IO): A National Cancer Database (NCDB) analysis.  
First Author: Tamara A. Sussman, MD

Abstract e21521: Systemic treatment of patients with inoperable and metastatic Merkel cell carcinoma: A multicenter study.  
First Author: Monika Dudzisz-Śledź, MD, PhD

Abstract e21522: Four-year survival follow-up of toripalimab (JS001) as salvage therapy in Chinese melanoma patients.  
First Author: Bixia Tang, MD

Abstract e21523: Is adjuvant treatment for melanoma in clinical practice comparable to trials? The first population-based results.  
First Author: Melissa Melanie de Meza, MD

Abstract e21524: Cemiplimab in a very frail population of patients with advanced or metastatic cutaneous squamous cell carcinoma: A monocenter real-life experience from Italy.  
First Author: Michele Guida, MD

Abstract e21525: Metastatic site-specific utilization and outcome of immunotherapy in stage IV melanoma: A national perspective.

First Author: Lifen Cao, MD PhD

Abstract e21526: Ensuring equity in the management of patients, over 70 years of age, on immunotherapy during the COVID-19 pandemic.

First Author: Frederik Jorde

Abstract e21527: Efficacy of checkpoint inhibition in advanced acral melanoma.

First Author: Melissa Melanie de Meza, MD

Abstract e21529: Adverse events and estimated costs with the combination of ipilimumab and nivolumab in metastatic melanoma patients.

First Author: Bianca Gautron Moura, MD

Abstract e21531: Prognostic pathological and clinical factors associated with overall survival in metastatic melanoma undergoing anti PD-1 treatment.

First Author: Kim Koczka, MD

Abstract e21533: 18F-FDG-PET/CT response assessment in patients with advanced melanoma treated with combination of low-dose ipilimumab and anti-PD1: A real-world experience.

First Author: Caio Dabbous Liz, MD

Abstract e21534: Analysis of demographics and outcomes of surgical resection in the CNS of patients with melanoma.

First Author: Achuta Kumar Guddati, PhD

Abstract e21536: Treatment of metastatic acral lentiginous melanoma: Systematic review.

First Author: Aylen Vanessa Ospina Serrano

Abstract e21537: *PALB2* mutation as a predictive biomarker for immunotherapy in patients with advanced melanoma: Results from (a pooled analysis of) five multicenter, randomized clinical trials.

First Author: Changxuan You, MD, PhD

Abstract e21540: Machine learning imputation of metastatic status from open claims in melanoma patients.

First Author: Vivek Prabhakar Vaidya

Abstract e21541: Treatment beyond progression with immune checkpoint inhibitors in advanced melanoma.

First Author: Pawel Sobczuk, MD

Abstract e21542: Contextualizing a single-arm trial of ceralasertib (cer) plus paclitaxel with real-world data (RWD) in patients (pts) with advanced melanoma previously treated with anti-PD-(L)1(PDx) therapies.

First Author: Miao Jiang

Abstract e21543: Proteomics meets transcriptomics: Identification of tumor tissue signatures specific to anti-PD1 treatment in late-stage melanoma patients.

First Author: Kamil Sklodowski, PhD

Abstract e21545: Differential gradients of efficacy of immunotherapy according to the sun-exposure pattern of the site of occurrence of primary melanoma: A multicenter prospective cohort study (MELBASE).

First Author: David Russo, MD

Abstract e21546: Using precision microbiome profiling to develop a biomarker for immune checkpoint inhibitor response and a novel therapeutic.

First Author: Mat Robinson

Abstract e21547: *RECQL5* mutations as a potential efficacious predictor of immunotherapy in melanoma patients.

First Author: Yun Zhao, MD

Abstract e21548: Robust prediction of response to immunotherapy in a mixed cohort of previously treated and immunotherapy-naïve melanoma patients.

First Author: Charles Abbott, PhD

Abstract e21549: Talimogene laherparepvec with systemic immunotherapy in melanoma: A real-world experience.

First Author: Tapas Ranjan Behera, MD

Abstract e21550: Impact of immunotherapy on survival differences in patients with melanoma and chronic lymphocytic leukemia.

First Author: Raghav Tripathi

Abstract e21551: Evaluating clinical responses to BRAF inhibition in BRAF/TERT promoter mutated melanoma.

First Author: Colleen Ciccocanti, DO, MPH

Abstract e21552: CCND1 amplification profiling identifies a subtype of melanoma associated with poor survival and an immunosuppressive tumor microenvironment.

First Author: Yu Chen, MD

Abstract e21553: FAT4 mutation serve as a novel predictor of response to anti-PD-1/PD-L1 treatment in melanoma.

First Author: Jifa Zhang

Abstract e21554: Study on the correlation between the expression of basic transcription factor 3 (BTF3) and the efficacy and prognosis of patients with malignant melanoma (MM).

First Author: Ning Ning Niu

Abstract e21555: Correlation analysis of gene and immune microenvironment for 87 melanoma cases.

First Author: Lanqun Qin

Abstract e21557: Neurotrophins in the brain of C57BL/6-Plautm1.1BugThisPlauGFDhu/GFDhu mice with B16/F10 melanoma growing with comorbid pathology.

First Author: Elena M. Frantsiyants

Abstract e21558: Transcriptomic profiling of peripheral blood mononuclear cells in patients with multiple primary melanoma.

First Author: Lilit Karapetyan, MD

Abstract e21559: Multiple primary melanoma in association with other personal and family history of cancers.

First Author: Xi Yang, MD

Abstract e21560: Circulating tumor DNA mutation as a prognostic marker in melanoma with brain metastasis.

First Author: Tapas Ranjan Behera, MD

Abstract e21561: Short-course neoadjuvant intratumoral immunotherapy establishes immunologic memory in murine melanoma.

First Author: Taylor J. Aiken, MD

Abstract e21562: Effectiveness of surface mould brachytherapy in electron era.

First Author: Jyoti Mehta, MD

Abstract e21563: Development and validation of an improved pathologic nodal classification system for cutaneous melanoma.

First Author: Anthony Tuan Nguyen, MD, PhD

Abstract e21564: Antimetastatic effect of organotin compounds on the model of melanoma B16 in the experiment.

First Author: Margarita Avdeevna Dodokhova, PhD

Abstract e21565: Modified operations to permit safe and timely delivery of essential surgical care for high-risk skin cancer during a pandemic.

First Author: Stephanie Renae Jackson Cullison

Abstract e21566: Treatment of patients with locally advanced Merkel cell carcinoma: A multicenter study.

First Author: Monika Dudzisz-Śledź, MD, PhD

Abstract e21567: Is CTLA4 targeting the Achilles' heel of Merkel cell carcinoma?

First Author: Richard Cheng Han Wu, PhD, MD

Abstract e21568: Efficacy of regional nodal ultrasound surveillance for metastatic detection in sentinel- and complete lymph node dissection-eligible melanoma patients.

First Author: Susan M. Swetter, MD

Abstract e21569: FDG-PET/CT response and outcome of neoadjuvant immunotherapy for clinical stage III melanoma.

First Author: Milton Jose De Barros E. Silva

Abstract e21570: Recurrent disease in patients with stage III melanoma in the era of adjuvant immune and targeted therapy.

First Author: Victor Lo, MD, MSc

Abstract e21571: Effect of time to surgical intervention in stage 3 cutaneous melanoma.

First Author: Seyed Saeed Pairawan, MD

Abstract e21572: Artificial intelligence (AI) comparison of social media-based patient-reported outcomes of PD-1, BRAF, and CTLA-4 inhibitors for melanoma treatment.

First Author: Ashley Su

Abstract e21573: Joint application of a new rotavirus group from reoviridae family and PD-1 inhibitor on the growth of melanoma B16/F10.

First Author: Sergey A. Kolpakov

Abstract e21574: Impact of the azoximer bromide concomitant therapy on patient outcomes in patients with melanoma.

First Author: Natalya Shendaleva

Abstract e21575: BRAF testing timelines and impact on the starting of systemic treatment.

First Author: Diana Paola Arteaga, MD

Abstract e21576: Shave biopsy of pediatric melanocytic tumors compromises staging and therapy planning.

First Author: Jessica Daley, MD

Abstract e21577: Genetic landscape of melanoma in China reveals enrichment of fusions in driver-negative melanoma.

First Author: Xiaohua Lin

Abstract e21579: Impact of the COVID-19 pandemic on staging at presentation of patients with invasive melanoma.

First Author: Saba Shaikh

Abstract e21580: Organic iodine-based preparation inhibits growth of B16/F10 melanoma in C57BL6 mice with thyroid disorders.

First Author: Irina V. Kaplieva

Abstract e21581: Comorbidity affects Bcl-2 levels in mitochondria in C57BL/6 mice with transplantable B16/F10 melanoma.

First Author: Irina V. Neskubina

Abstract e21582: Aminergic status in the brain of urokinase gene-deficient mice with malignant tumors growing in presence of chronic neurogenic pain.

First Author: Yulia A. Pogorelova

Abstract e21583: Suppression of tumor development by another tumor in primary immunodeficiency in experiment.

First Author: Ekaterina I. Surikova

Abstract e21584: Somatic mutations predict immune-related adverse events (irAEs) and survival following CTLA4 blockade in melanoma patients.

First Author: Savan Shah, MD

Abstract e21585: Long-term survival outcomes with immune checkpoint inhibitors (ICI) in metastatic uveal melanoma (MUM).

First Author: Cha Len Lee, MD

Abstract e21586: Association of pre-existing autoimmune diseases in melanoma patients receiving immune checkpoint inhibition with improved survival and increased toxicity.

First Author: Nicholas Gulati, MD, PhD

Abstract e21587: The predictive value of *MAP2K1/2* mutations for efficiency of immunotherapy in melanoma.

First Author: Ting Ye

Abstract e21588: The clinicopathological and survival analysis of urological mucosal melanoma: A single-center retrospective observational study.

First Author: Bixia Tang, MD

Abstract e21589: Improved risk stratification in an adjuvant radiation therapy (ART) eligible cutaneous squamous cell carcinoma (cSCC) patient population by integration of the 40-gene expression profile prognostic test (40-GEP).

First Author: Shlomo A. Koefman, MD

Abstract e21590: Hospital admissions and subsequent outcomes from immune-related adverse events.

First Author: Hui Jan Ho, MBBS

Abstract e21591: Analysis of metastatic melanoma treated with immune checkpoint inhibitors and the rates of adverse events of colitis and hepatitis.

First Author: Emily Horan, MBBS

Abstract e21592: Identification of a novel *CTNNA1* germline mutation predisposing to melanoma: Genotype and functional effects.

First Author: Anne Forestier, PhD

Abstract e21593: Targeting the RIG-I-like receptor signaling pathway to improve the efficacy of immunotherapy in mucosal and uveal melanoma.

First Author: Morgan L. MacBeth, BS

Abstract e21594: High expression of ferroptosis-sensitizer ACSL4 as an indicator of good response to immune checkpoint inhibitors and preferable survival with increased TIICs in skin cutaneous melanoma.

First Author: Jinchun Wu

Abstract e21595: Cytotoxic t lymphocyte (CTL) to macrophage ratio to predict survival in stage II-III melanoma: Validation in a second cohort.

First Author: A. Reza Djavid, BA

Abstract e21596: Association of PTPN11 mutation with tumor mutation burden and survival in melanoma patients treated with immune checkpoint inhibitors.

First Author: De Long

## **Pediatric Oncology**

Abstract e22000: Successful allografting for relapsing pediatric ALL: The results of two decades.

First Author: O. Bulent Zulfikar, Prof

Abstract e22001: CD8+ T-cell lymphocyte infiltration predict clinical outcomes Wilms' tumor.

First Author: Mahtab Rahbar

Abstract e22002: Comprehensive genomic and transcriptomic profiling of pediatric malignancies using the Tempus xT Next-Generation Sequencing Assay to identify clinically

meaningful alterations.

First Author: Stephanie Toll

Abstract e22003: Clinical significance of next-generation sequencing in Chinese patients with relapsed/refractory Wilm's tumor.

First Author: Juan Wang, M.A.

Abstract e22004: Combination therapy with anti-PD-1 or PD-1 antibody alone in pediatric patients with relapsed or refractory cancer.

First Author: Yi Que

Abstract e22005: Clinical value of Next Generation Sequencing in Chinese pediatric soft tissue sarcoma: A multicenter data.

First Author: Suying Lu, MD

Abstract e22006: Single agent high-dose ifosfamide in refractory or relapsed osteosarcoma.

First Author: Zahra Merchant Jiwani, DO

Abstract e22007: The efficacy and safety of irinotecan plus doxorubicin liposome in relapsed/refractory Wilms' tumors: A retrospective study.

First Author: Juan Wang

Abstract e22008: Urinary biomarkers for monitoring treatment response in neuroblastoma patients.

First Author: Hizuru Amano

Abstract e22009: Vincristine, irinotecan, and temozolomide in patients with relapsed and refractory neuroblastoma.

First Author: Jia Zhu, PhD

Abstract e22010: Localized osteosarcoma analysis of very poor responders subgroup (Huvos I).

First Author: Alessandra Longhi, MD

Abstract e22011: Evaluation of the relationship between antenatal and postnatal tobacco smoke exposure and childhood cancers.

First Author: Nurdan Tacyildiz, MD

Abstract e22012: Extremity bone sarcoma: Evolution from primary amputation to limb salvage surgery (LSS).

First Author: Bhaskar N. Rao, MD

Abstract e22013: The prognostic significance of lymphovascular tumor invasion in localized high-grade osteosarcoma: Outcomes of a single institution over ten years.

First Author: Charles Gusho

Abstract e22014: Second malignancies in children with head and neck primary tumors.  
First Author: Rejin Kebudi, MD

Abstract e22017: Associations between diet and chronic disease burden in adult survivors of childhood cancer in the St. Jude Lifetime Cohort (SJLIFE) study.  
First Author: Elizabeth M. Foley, PhD

Abstract e22018: Evaluation of age, gender, prenatal characteristics, and treatment results of 380 babies with infantile hemangioma.  
First Author: Eda Suzen Orhan, MD

Abstract e22019: Predictors of inpatient admission for pediatric cancer patients visiting the emergency department.  
First Author: Terrence C. Lee, BS

### **Prevention, Risk Reduction, and Hereditary Cancer**

Abstract e22500: The real-world *BRCA1/2* germline mutations in Chinese solid tumors.  
First Author: Jian Chen

Abstract e22501: Final report from a registry study of patients with active cancer undergoing ecological staging.  
First Author: James R. Cunningham, MD

Abstract e22502: Hereditary breast cancer associated with the CHEK2 gene: Study through NGS in a Spanish cohort.  
First Author: Natalia Alonso Marin, MD

Abstract e22504: Germinal mutations landscape, which is responsible for cancer predisposition in multinational Republic of Bashkortostan.  
First Author: Alexnder Valerievich Sultanbaev Sr.

Abstract e22505: Improved universal tumor screening program with paired testing: Experience at a large community-based teaching hospital.  
First Author: Gnyapti Majmudar

Abstract e22506: Prevalence of pathogenic mutations and variants of uncertain significance in patients undergoing hereditary cancer genetic testing in Cambridge, MA.  
First Author: Chinmay Jani, MBBS

Abstract e22507: The importance of variants of unknown significance (VUS) in BRCA mutation.  
First Author: N Mullai, MD

Abstract e22508: Systematic review of family studies of heritable breast cancer in Africa.  
First Author: Amina Dhahri, MD

Abstract e22509: Noninvasive detection of chromosomal instability in plasma circulating cell-free DNA for early pan-cancer diagnosis using low-pass whole-genome sequencing.

First Author: Ran Lv

Abstract e22510: Early cancer detection using low-coverage whole-genome sequencing of cell-free DNA fragments.

First Author: Shunli Yang

Abstract e22511: Prevention of breast cancer in the general population: Is it a cultural issue?

First Author: Fernanda Estefanía Rivera, MD

Abstract e22512: Cancer beliefs and screening across three NYC neighborhoods.

First Author: Tracy M. Layne, PhD, MPH

Abstract e22513: Factors associated with cancer screening adherence amongst Latinos in Indiana: Results of an electronic survey.

First Author: Manuel Ricardo Espinoza Gutarra, MD

Abstract e22514: An unmatched case-control study evaluating the relationship between cancer diagnosis and drinking water source on the lower Eastern Shore of Maryland.

First Author: Angela Marie DeRidder, MD, MPH

Abstract e22515: A unique molecular identifier-based and clonal hematopoiesis-aware approach for accurate mutation calling in cell-free DNA assays.

First Author: Hongyu Xie

Abstract e22516: Utilizing commercial health insurance claims data to identify the impact of cancer screening and estimate the added benefit of a multicancer liquid biopsy ordered during routine physical exams.

First Author: Christine Hathaway

Abstract e22517: Chromosomal instability associated with pathogenesis in adenomyosis.

First Author: Xiaopei Chao

Abstract e22518: Analysis of epigenomic signatures in cell-free DNA (cfDNA) from cancer patients and high-risk controls: A blinded test cohort of THUNDER-II study.

First Author: Qiang Gao, MD, PhD

Abstract e22519: Pediatric cancer registry in Turkey 2009-2020 (TPOG & TPHD).

First Author: M. Tezer Kutluk, MD, PhD

Abstract e22521: SARS-CoV2 infection rate in patients and health care personnel in a chemoradiotherapy unit: A prospective cohort in Mexico.

First Author: Mónica Isabel Meneses Medina, MD

Abstract e22522: The feasibility and potential role of pharmacogenetics to improve drug safety in patients with advanced cancers.

First Author: Sourat Darabi, PhD, MS

Abstract e22523: Clinical and genetic characterization of cancer patients with multiple germline variants.

First Author: Hong Zheng, MD, PhD

Abstract e22524: Confirmatory germline testing for presumed germline pathogenic variants using tumor-only testing.

First Author: Tomohiro Kondo, MD

Abstract e22525: Performance characteristics of brief family history questionnaire to screen for Lynch syndrome in women with newly diagnosed ovarian cancers.

First Author: Rachel Soyoun Kim

Abstract e22526: Real-world experience of pancreatic cancer molecular profiling in a tertiary center.

First Author: Kai Sun, MD

Abstract e22527: Impact of medical mistrust (MM) on perceptions of tumor genomic profiling (TGP) among African American (AA) cancer patients: Application of perceptual mapping (PM).

First Author: Michael J. Hall, MS, MD

Abstract e22529: Use of the Utah population database to evaluate statewide use of genetic testing for hereditary breast/ovarian cancer.

First Author: Wendy Kohlmann, MS

Abstract e22530: Genetic and clinical characterization of multigene hereditary breast and ovarian cancer (HBOC) panels in Málaga (Spain).

First Author: Bella Pajares, MD PhD

Abstract e22531: Multiple primary malignancies among patients with advanced melanoma.

First Author: Matthew Isaiah Ebia, MD

## **Professional Development and Education Advances**

Abstract e23000: Assessment of solid tumor oncology perception and knowledge gain in internal medicine (IM) residents through oncology video library: Educational intervention in

progress.

First Author: Alison L. Raybould

Abstract e23001: The impact of an expert exchange-based educational initiative on urologist confidence and knowledge in implementing immunotherapy for bladder cancer.

First Author: Susan H. Gitzinger, PharmD, MPA

Abstract e23002: Challenges in lung cancer multidisciplinary collaboration experienced by specialists in four countries.

First Author: Suzanne Murray

Abstract e23003: Fostering interspecialty learning in cancer survivorship care: Learning suite results.

First Author: Genevieve Chaput, MD, MA, BA

Abstract e23004: A scoping review of oncology medical education interventions in low and middle income countries.

First Author: Safiya Karim, MD, MSc

Abstract e23005: Addressing gaps in care for patients with rare cancers and blood disorders: The impact of a collaborative digital education initiative.

First Author: Wendy Turell, DrPH

Abstract e23007: Patient and provider education on HER2-positive metastatic breast cancer: Defining gaps in clinician practice, patient behaviors, patient-provider alignment, and clinical knowledge.

First Author: Wendy Turell, DrPH

Abstract e23008: Oncologist management of NTRK fusion-positive NSCLC improves after virtual patient simulation participation.

First Author: Michelle Arielle Worst, BCOP, MBA, PharmD

Abstract e23009: CME curriculum improves clinician knowledge, competence, and confidence in managing patients with NF1-related tumors.

First Author: Michelle Arielle Worst, BCOP, MBA, PharmD

Abstract e23010: The impact of live education on the competence and performance of oncology practitioners who care for patients with ovarian cancer.

First Author: Vanessa Carranza, PharmD

Abstract e23011: Internal medicine residents' awareness on cancer survivorship care plan: A cross sectional study.

First Author: Ivy Riano, MD

Abstract e23012: Cancer-related subreddits: A comprehensive survey and correlation of membership and tumor subtype prevalence, incidence, and survival.

First Author: Christopher S. Shakespeare, BA

Abstract e23013: Online CME closes gaps in CSCC management revealed in a virtual patient simulation.

First Author: Shari Dermer, PhD

Abstract e23014: Collaborating with low- and middle-income countries: Experience from two of the United Kingdom's comprehensive cancer centers.

First Author: Emma Foreman

Abstract e23015: Secret sauce in collaborative tumor boards: Team-based characteristics that optimize tumor board functionality.

First Author: Barbara Oureilidis-DeVivo

Abstract e23016: Psychosocial impacts of COVID-19 upon a diverse Australian oncology workforce: From doctors to ancillary staff.

First Author: Elizabeth Stephanie Ahern, FRACP, MBBS, PhD

## **Sarcoma**

Abstract e23500: Dedifferentiated chondrosarcoma: A report of the clinicopathologic features and outcomes of 16 cases treated at a single institution.

First Author: Charles Gusho

Abstract e23501: Clinical behavior of advanced giant cell tumor: 15 years observation study in N.N. Blokhin National Medical Research Center of Oncology.

First Author: Anastasia Alekseevna Tararykova, MD

Abstract e23502: Apatinib plus ifosfamide and etoposide (IE) versus IE chemotherapy alone for relapsed or refractory osteosarcoma.

First Author: Lu Xie, MD

Abstract e23503: Methylation of *MMP2* and *MMP9* in patients with localized and generalized forms of Ewing's sarcoma.

First Author: Natalia A. Petrusenko

Abstract e23504: Efficacy and safety of anlotinib hydrochloride in the treatment of advanced bone and soft tissue sarcoma after failure of first-line chemotherapy.

First Author: Weitao Yao

Abstract e23505: Phase II study of SM-88 in Ewing's and other sarcomas.

First Author: Victoria S. Chua, MD

Abstract e23506: Metastatic osteosarcoma at diagnosis: Analysis of 92 cases from a single institution.

First Author: Alessandra Longhi, MD

Abstract e23507: The MGMT (O6-methylguanine–DNA methyltransferase) promotes methylation and clinical outcomes of salvage temozolomide and irinotecan chemotherapy in progressive Ewing sarcoma: A preliminary report.

First Author: Samer Salah, MD

Abstract e23508: Overall survival after perioperative chemotherapy in the management of pulmonary metastasis in osteosarcoma.

First Author: Zeba Siddiqui

Abstract e23509: Various treatment options for the management of Campanacci III giant cell bone tumor.

First Author: Syed Faraz-ul-Hassan Shah Gillani, MBBS, MS

Abstract e23510: Efficacy of vincristine, irinotecan, and temozolomide (VIT) combination in adult patients with metastatic Ewing sarcoma.

First Author: Izzet Dogan, MD

Abstract e23511: Efficacy of sorafenib in heavily pretreated adult patients with metastatic osteosarcoma.

First Author: Nail Paksoy, MD

Abstract e23512: Mutational landscape of Chinese osteosarcoma patients.

First Author: Shuier Zheng, MD

Abstract e23513: Comprehensive understanding of genomic profile of bone cancer by the combination of DNA and RNA detection.

First Author: Xianbiao Xie

Abstract e23514: Role of biogenetic markers in differentiation and prognosis of giant cell tumor: A systemic review.

First Author: Muhammad Taqi, MBBS, MD

Abstract e23515: Epidemiology, clinical features, and histopathology of sarcomas managed in a Haitian cancer clinic.

First Author: Joseph Bernard Jr., MD

Abstract e23516: Comorbidity: Chronic neurogenic pain affects malignant growth and changes balance of neurosteroids in brain of rats.

First Author: Yulia A. Pogorelova

Abstract e23517: Simultaneous stimulation of growth of malignant tumors with epithelioid and sarcomatous nature in experiment.

First Author: Irina V. Kaplieva

Abstract e23520: Germline mutations in MSH2 and ATM gene in patients with GIST (Gastrointestinal stromal tumor) and second epithelial tumors.

First Author: Silvia Gasperoni, MD

Abstract e23521: Standard versus personalized schedule of regorafenib in metastatic gastrointestinal stromal tumors (GIST): A retrospective, multicenter, real-world study.

First Author: Margherita Nannini, MD

Abstract e23522: Changes of the redox-regulatory system in tumor and its surrounding tissues in patients with soft tissue sarcoma (STS) after neoadjuvant chemotherapy (NC).

First Author: Polina S. Kachesova

Abstract e23525: Evaluation of dystrophin expression by immunohistochemistry as a prognostic factor in leiomyosarcomas (LMS).

First Author: Raul Terés, MD

Abstract e23526: Comparison of clinicopathological features and outcomes in patients with primary leiomyosarcoma of bone and soft tissue.

First Author: Alan T. Blank

Abstract e23527: The outcomes of cutaneous head and neck angiosarcoma with different treatment modalities and correlation with inflammatory markers.

First Author: Ru Xin Wong, MBBS

Abstract e23528: Pazopanib in the advanced and rare subtypes of soft tissue sarcoma: Russian Sarcoma Group study.

First Author: Anastasia Alekseevna Tararykova, MD

Abstract e23529: The role of ifosfamide-doxorubicin chemotherapy in the treatment histology-specific, high grade, locally advanced soft tissue sarcoma: A 14-year experience.

First Author: Barry W Goy, MD

Abstract e23530: Efficacy and safety of anlotinib combined with liposomal doxorubicin in first-line treatment of advanced soft-tissue sarcoma.

First Author: Xin Sun, MD

Abstract e23531: A phase II study of anlotinib in the first-line treatment of locally advanced or metastatic soft tissue sarcoma.

First Author: Xin Huang, MD

Abstract e23532: Different genomic profiling of sarcoma between Western and Chinese population.

First Author: Sheng Teng, undergraduate college

Abstract e23534: Impact of the azoximer bromide concomitant therapy on outcomes in patients with soft tissue sarcoma.

First Author: Aleksei Viktorovich Novik, MD, PhD

Abstract e23536: A phase II study of epirubicin combined with anlotinib followed by anlotinib in the first-line treatment of advanced unresectable soft tissue sarcoma.

First Author: Yuhong Zhou, MD

Abstract e23537: Impact of surgical margins on survival in cutaneous sarcomas: A nationwide study of French Sarcoma Group (FSG) from NETSARC Database.

First Author: Mélanie Saint-Jean, MD

Abstract e23538: Clinicopathological features and treatment of perivascular epithelioid cell tumor.

First Author: Ying Lin, Doctorship

Abstract e23539: Health-related quality of life after isolated limb perfusion compared to extended resection, or amputation for locally advanced extremity sarcoma: Is a limb salvage strategy worth the effort?

First Author: Sophie J.M. Reijers, MD, PhD

Abstract e23540: Impact of interdisciplinary sarcoma board evaluation on treatment outcome of primary soft-tissue sarcoma patients.

First Author: Jana Kaethe Striefler

Abstract e23542: A retrospective study of anlotinib combined with adriamycin and ifosfamide in unresectable soft tissue sarcoma.

First Author: Zuoyao Long

Abstract e23543: Efficacy of targeted therapy in alveolar soft part sarcoma: A systematic review and meta-analysis.

First Author: Na Hyun Kim, MD

Abstract e23544: Abdominal desmoid- course, unique genetic background, and severe outcomes in a large local series.

First Author: Ophir Gilad, MD

Abstract e23545: A retrospective study to evaluate the safety and efficacy of anlotinib plus camrelizumab in management of advanced retroperitoneal sarcoma.

First Author: Jianhui WU, MD

Abstract e23546: Preoperative stereotactic ablative body radiotherapy with postoperative conventional irradiation of soft tissue sarcomas: Protocol overview with a preliminary safety report.

First Author: Mariia Ebert, MD

Abstract e23547: Activity of single-agent gemcitabine in patients (pts) with advanced angiosarcoma: A retrospective study.

First Author: Sarah Watson, MD, PhD

Abstract e23548: Refining the approach to patients with primary soft tissue sarcoma of the extremities and trunk wall (ESTSTS): Outcome improvement over 30 years at a single institution.

First Author: Maria Danieli, MD

Abstract e23549: A retrospective collection of diagnostic data from the desmoid tumor research foundation natural history study.

First Author: Amanda Lucas

Abstract e23550: Efficacy of temozolomide in pretreated patients with metastatic sarcoma.

First Author: Nail Paksoy, MD

Abstract e23551: Differential risk factors between uterine sarcomas and malignant mixed Müllerian tumors.

First Author: Caroline Hana

Abstract e23552: Outcomes of metastatic synovial sarcoma with doxorubicin, pazopanib, and ifosfamide therapy.

First Author: Priscila Barreto Coelho, MD

Abstract e23553: Trabectedin (T) in desmoplastic small round cell tumor (DSRCT): Report of its effect in 3 relapsed patients (pts) and the comparison of different regimens in a patient-derived xenograft (PDX) model.

First Author: Silvia Stacchiotti, MD

Abstract e23554: Loss of 5'ALK leads to better response to crizotinib in sarcomas with ALK rearrangement.

First Author: Bin Li

Abstract e23555: Desmoplastic small round cell tumor: A series of patients surgically treated at a single institution.

First Author: Stefano Radaelli, MD

Abstract e23556: Efficacy of sorafenib in symptomatic patients with pretreated progressive desmoid tumors.

First Author: Ferhat Ferhatoglu, MD

Abstract e23557: Quality of life outcomes in sarcoma patients receiving care at a tertiary center.

First Author: Jonathan R. Day, MD, PharmD

Abstract e23559: Outcomes of VAC temporization following the excision of microinvasive sarcomas pending negative formal pathologic margins.

First Author: Mitchell Stephen Fourman, MD MPhil

## **Symptoms and Survivorship**

Abstract e24000: Advance care planning billing practices and documentation quality for cancer patients requiring hospitalization.

First Author: Callie Berkowitz, MD

Abstract e24001: Outcomes of patients with malignancy admitted to the intensive care units (ICU): A prospective study.

First Author: Hazem Assi, MD

Abstract e24002: Antibiotic use during end of life in patients with advanced malignancy: A retrospective analysis.

First Author: Shamali Poojary

Abstract e24003: Chemotherapy use at the end of life in Brazil.

First Author: Munir Murad Junior, MD

Abstract e24004: Predictors of home death and the quality of end-of-life care at a cancer center in Brazil.

First Author: Sarah Gomes, MD

Abstract e24005: Chemotherapy at the end of life: Do we know when to stop?

First Author: Renana Barak, MD

Abstract e24007: Indicatives of palliative care in patients with lung cancer treated in the Brazilian public health system.

First Author: Thiago Henrique Mascarenhas Nébias

Abstract e24008: Palliative radiotherapy referrals in the last days of cancer patients' life: Could we do better?

First Author: Leora Brazg Ferro, MD

Abstract e24009: Palliative care as a predictor of healthcare resource use at end-of-life in adult Albertan lung cancer decedents between 2008-2015: A secondary data analysis.

First Author: Nureen Sumar, MD

Abstract e24010: G8 as a screening tool for comprehensive geriatric assessment in patients with breast cancer.

First Author: Rocio Grajales, Medical Oncologist

Abstract e24011: A 10-item frailty index based on a comprehensive geriatric assessment (FI-CGA-10) in older adults with cancer: Development and construct validation.

First Author: Tomohiro F. Nishijima, MD

Abstract e24012: Oncologists' perception of frailty.

First Author: Zuhair Alam, MD

Abstract e24013: Use of the geriatric assessment in clinical practice in Mexico: A survey of cancer providers.

First Author: Haydee Cristina Verduzco-Aguirre, MD

Abstract e24014: Adoption of patient-reported outcomes (PROs) in clinical practice for older patients receiving active anticancer treatment: Impact on health-related quality of life (QoL).

First Author: Clizia Zichi, MD

Abstract e24015: Impact of the geriatric assessment on clinical treatment decision in older Indian persons with cancer.

First Author: Vanita Noronha, MD

Abstract e24016: Disparity between the use of postoperative psychosocial and physical services among older adults with head and neck cancer.

First Author: Gabriel T. Raab, BA

Abstract e24017: Participation of older patients with advanced gastroesophageal cancer in clinical trials: A systematic review of age-restrictive inclusion criteria over the last 25 years.

First Author: Maeve Hennessy

Abstract e24018: Comparison of validated screening tools for the assessment of potentially inappropriate medications in older Indian patients with cancer.

First Author: Renita Castelino

Abstract e24019: The prevalence of cognitive impairment in older Indian persons with cancer and brain metastases.

First Author: Aditya Dhanawat

Abstract e24020: Evaluation of comprehensive geriatric assessment impact in oncological decision-making process.

First Author: Clara Ejarque, MD

Abstract e24022: Caregiver burden in older Indian patients with cancer: Experience from a tertiary care center.

First Author: Nandini Menon, MBBS, MD, DNB

Abstract e24023: Accuracy of the CARG chemotherapy toxicity risk prediction tool in older Indian patients with cancer.

First Author: Shreya Gattani

Abstract e24024: The use of G8 and VES13 as screening and prognostic tools in older Indian patients with cancer.

First Author: Minit Jalan Shah

Abstract e24025: Survivors Overcoming and Achieving Resilience (SOAR): An 8-week breast cancer survivorship and nutrition program.

First Author: Poorvi Kirit Desai, MD

Abstract e24026: Vaccination coverage in cancer outpatients: An interventional multicenter before/after study.

First Author: Pierre Rivière

Abstract e24027: Psychometric properties of patient reported outcome (PRO) instruments in patients with small cell lung cancer (SCLC) in RESILIENT part 1.

First Author: Jaba Kokhraidze, MD, MBA, MSc

Abstract e24028: COVID-19 and cancer: Strategic health promotion for indigenous Australians during a pandemic.

First Author: Carolyn Der Vartanian

Abstract e24029: Tobacco use, knowledge of harms, and cessation support among patients with non-tobacco related cancers.

First Author: Laura Vater, MD, MPH

Abstract e24030: A pilot study of individualized exercise prescription to improve physical activity in cancer survivors.

First Author: Priyanka Avinash Pophali, MD

Abstract e24031: Impact of adding plinabulin to pegfilgrastim for the prevention of TAC chemotherapy (Chemo) induced neutropenia (CIN), on patient quality of life (QoL).

First Author: Ramon Mohanlal, MD, PhD

Abstract e24032: An analysis of content of lay-press articles focused on cancer from leading U.S. newspapers from 2010 to 2019.

First Author: Abena A. Adwetewa-Badu, BA

Abstract e24033: Feasibility of a telemedicine lifestyle-based rehabilitation program (HEAL) for gynecologic cancer patients.

First Author: Nathalie Dauphin McKenzie, MD, MSPH

Abstract e24034: An analysis of characteristics and content of highly used books for the general population in the cancer space on Amazon.com.

First Author: Ryan M O'Keefe, BA

Abstract e24035: Preliminary efficacy of a community-based, group-mediated cognitive behavioral lifestyle intervention among breast cancer survivors.

First Author: Marcy Haynam, MS

Abstract e24036: Patient-reported barriers to online meetings: The case of a myeloma support group in western Kenya in the era of COVID-19.

First Author: Mercy Oduor

Abstract e24037: Parotid sparing adaptive radiotherapy in head and neck cancer patients: A study evaluating resource intensiveness and impact on quality of life.

First Author: Shaurav Maulik, MBBS, MD

Abstract e24038: Prevalence and risk factors for vasomotor symptoms in Hispanic female breast cancer survivors, 0-3 years post-treatment: Results of a single-center retrospective analysis.

First Author: Lisellet Morin, PA-C, MS

Abstract e24039: Prevalence and risk factors for self-reported sexual dysfunction in Hispanic female breast cancer survivors 0-3 years post-cancer treatment: Results of a single-center retrospective study.

First Author: Rosalind Guest, MS

Abstract e24040: Limb volume reduction and infection outcomes following vascularized lymph node transfer for cancer treatment-related lymphoedema: A systematic review and meta-analysis.

First Author: Joseph Alexander Ward, BMedSc MBChB MSc MRCS

Abstract e24041: A survey study of knowledge, attitude, and practice regarding oncofertility among health professionals in Uruguay.

First Author: Dana Kimelman, MD, MSc

Abstract e24042: Predictors of venous thromboembolism in cancer patients using machine learning.

First Author: Ayse Ece Cali Daylan, MD, PhD

Abstract e24044: Cardiac risk factors and adverse events among patients receiving first-line CLL treatment in a real-world community practice setting.

First Author: Anthony R. Mato, MD

Abstract e24045: Does prior treatment with anti-PD 1 immune check point inhibitors (ICIs) mitigate infection with herpes and SARS-CoV-2 viruses: Clinical evidence supporting basic hypotheses.

First Author: Apoorva Jayarangaiah, MD

Abstract e24046: An online pilot survey to assess collateral damage related to male breast cancer treatment.

First Author: Deanna J. Attai, MD

Abstract e24047: Clinical and demographical factors associated with fertility counseling in colorectal cancer.

First Author: Chengwei Peng, BS

Abstract e24048: Survey of caregiver needs after their loved ones completed cancer treatment.

First Author: Lauren Young, MD

Abstract e24049: Knitting to improve cognition and reduce stress in cancer survivors: A pilot study.

First Author: Jennifer W Hartzell, PsyD, ABPP-CN

Abstract e24050: The impact of chemotherapy on subjective cognitive complaints in breast cancer: Evidence from pooled analyses with longitudinal studies.

First Author: Heeju Kim

Abstract e24051: Assessment of chemotherapy-induced cognitive impairment: A prospective study of the biochemical and metabolic effects of platinum/taxane-based chemotherapy in gynecologic cancer patients.

First Author: Megan Leigh Gleason Hutchcraft, MD

Abstract e24052: Association of *OPRM1*, *MIR23B*, and *MIR107* genetic variability with acute and chronic pain after postoperative tramadol treatment in breast cancer.

First Author: Nikola Besic

Abstract e24053: Corrected QT prolongation among chemotherapy: Treated patients, a study of a Romanian center.

First Author: Cristina Crisan

Abstract e24054: Long-term follow-up outcomes and treatment among patients previously treated with Zizao Yangrong granules (ZYG) for egfris–related skin xerosis.

First Author: Chongxiang Xue, MD

Abstract e24055: A cross-sectional study on the effectiveness of antiemetic regimens for chemotherapy-induced nausea and vomiting: A single center retrospect study of 1,000 patients.

First Author: Luo Cong, PhD

Abstract e24057: Anti-Müllerian hormone (AMH) as a marker of ovarian reserve and premature ovarian insufficiency (POI) in children and women with cancer: A systematic review.

First Author: David A. Cameron, MD

Abstract e24058: Mindfulness based stress reduction (MBSR) to improve cardiovascular (CV) function and psychosocial outcomes in breast cancer survivors.

First Author: Anne Hudson Blaes, MD

Abstract e24059: Visual dysfunction in a mouse model of chemotherapy-related neurotoxicity.

First Author: David Anderson, PhD

Abstract e24060: Pre-anthracycline left ventricular ejection fraction (LVEF) assessment and long-term cardiovascular (CV) outcomes in adolescent and young adult (AYA) lymphoma survivors.

First Author: Alma Farooque

Abstract e24061: The frequency and predictors of end-of-life symptom in patients with advanced cancer.

First Author: Shuji Hiramoto

Abstract e24063: Effect of paracentesis on the survival of patients with terminal cancer and ascites: A propensity score-weighted analysis of the EASED study.

First Author: Ken Masuda, MD

Abstract e24064: State variation in marijuana use among U.S. adults with cancer.

First Author: Min Jee Lee, PhD, MPH

Abstract e24065: GLIM versus ESPEN criteria for the diagnosis of early malnutrition in oncological outpatients.

First Author: Marta Gascon Ruiz, MD

Abstract e24067: Prevalence of advance care planning in a resident run clinic in an underserved community.

First Author: Swetha Ann Alexander

Abstract e24068: Opioid screening and urine toxicology results in outpatient oncology palliative medicine.

First Author: Jai Narendra Patel, BCOP, PharmD

Abstract e24069: Differential impact of inpatient and outpatient palliative care on end-of-life outcomes in hospitalized patients with cancer.

First Author: Arielle R. Urman, MD

Abstract e24070: Incidence of neutropenia in breast cancer patients with administration of mecapegfilgrastim.

First Author: Peifen Fu

Abstract e24071: A national survey on cancer pain management among medical oncologists in the Philippines.

First Author: Marvin Jonne Limbo Mendoza, MD

Abstract e24072: Prophylaxis of neutropenia with mecapegfilgrastim in patients with non-myeloid malignancies in a real-world setting.

First Author: Jun Ma

Abstract e24073: Analysis of opioid and adjunctive pain medication prescriptions in lung cancer patients.

First Author: Benjamin Aaron Bleiberg, BS, MD

Abstract e24074: Overall survival (OS) and prognostic factors (PF) of patients (pts) with metastatic solid tumors admitted in intensive care unit (ICU).

First Author: Segolene Hautecloque-Raysz

Abstract e24077: An oncopalliative expertise unit in a French comprehensive cancer center: Experience at one year.

First Author: Christine Mateus, MD

Abstract e24078: The experience of pain among cancer patients at the University of the Philippines: Philippine General Hospital Cancer Institute—A cross-sectional study.

First Author: Harold Nathan C. Tan, MD, MBA

Abstract e24079: Survivorship care plans and adherence with surveillance schedule in patients with invasive melanoma.

First Author: Hemali Shah

Abstract e24080: A randomized double-blind pilot study comparing cetirizine with diphenhydramine in the prevention of paclitaxel-associated infusion-related reactions.

First Author: Philippe Bouchard, BPharm, MSc, BCOP

Abstract e24082: Patient perceptions of palliative care in the process of allogeneic hematopoietic cell transplantation.

First Author: Megan Elizabeth Melody, MD, MS

Abstract e24083: Rescue-free laxation response with methylnaltrexone treatment in cancer patients with opioid-induced constipation: The impact of baseline ECOG status.

First Author: Scott Boniol, MD

Abstract e24084: Outcomes of radiotherapy combined with systemic therapy for stage IV NSCLC: A real-world study.

First Author: Hongyuan Jia

Abstract e24085: Prediction of the breakthrough cancer pain using deep learning model.

First Author: Yeong Hak Bang, MD

Abstract e24086: ICES (International Carboplatin Emesis Survey) for the evaluation of the emetogenicity of continuous cycles of carboplatin-based chemotherapy with focus on nausea: A MASCC emesis study group, prospective, observational, real-world multi-centric study.

First Author: Bernardo Leon Rapoport, MD

Abstract e24088: Palliative care for cancer in Turkey: A comprehensive review of the literature.

First Author: M. Tezer Kutluk, MD, PhD

Abstract e24089: Concordance between patient-reported (PR) and physician-documented (PD) comorbidities and symptoms among Stage 4 breast cancer patients (pts).

First Author: Saumya Umashankar

Abstract e24090: Benefits of blood transfusions in palliative care patients with advanced cancer.

First Author: Joana Catarina Lima Marinho, PhD

Abstract e24091: Implementation of virtual mentoring to optimize collection of patient-reported data in the COVID-19 era: A prospective cohort study with adaptive design.

First Author: Karineh Kazazian, MD, PhD

Abstract e24092: Multidisciplinary consensus recommendations for the management of non-spine bone metastases: Results of a modified Delphi process in a community-academic partnership.

First Author: Noah J Mathis, BS

Abstract e24093: Granisetron extended-release subcutaneous injection versus palonosetron infusion for preventing chemotherapy-induced nausea and vomiting: A cost analysis.

First Author: Vikas Kumar, MD

Abstract e24094: Investigating the role of interleukin-17 in radiation dermatitis.  
First Author: Karolina Mieczkowska, BS

Abstract e24095: Brain correlates of chemotherapy-induced peripheral neuropathy (CIPN) during somatosensory and interoceptive attention: A functional MRI (fMRI) study.  
First Author: Ian Kleckner, PhD, BS, MPH

Abstract e24096: Immune-related acute myocarditis in patients treated with immune checkpoints inhibitors: Systematic review with individual patient-level data meta-analysis.  
First Author: Alexey Rumyantsev, MD

Abstract e24097: Stereotactic body radiation therapy as palliative management for incurable thoracic malignancies.  
First Author: Grace S. Ahn, BS

Abstract e24098: Patient-reported outcomes in cancer patients admitted during the COVID 19 pandemic in a tertiary Spanish hospital.  
First Author: Veronica Velasco Durantez

Abstract e24099: Patterns of knowledge and use of medical cannabis among Brazilian oncologists and palliative care physicians.  
First Author: Júlia Maria Mathias Pedreira de Freitas

Abstract e24100: A cross-sectional study on effectiveness of antiemetic regimens for chemotherapy-induced nausea and vomiting: A single-center retrospect study of 1,000 patients.  
First Author: Luo Cong, PhD

Abstract e24102: Evaluating the user-perceived benefit of a virtual lung cancer patient education and support community: LVNG With Lung Cancer.  
First Author: Mona L. Martin, RN, MPA

Abstract e24103: Feasibility of digital life coaching during stem cell transplantation for multiple myeloma.  
First Author: Rahul Banerjee, MD

Abstract e24104: Pan-cancer analysis of fear of cancer recurrence in cancer survivors.  
First Author: Jacob J. Adashek, DO

Abstract e24105: Impact of COVID 19 pandemic on psychological wellbeing of oncology clinicians in MENA (Middle East and North Africa) region.  
First Author: Muhammad Farooq Latif, FRCP, FRCR, MBBS, MRCP

Abstract e24107: Prognostic disclosure: A scoping review on communication guidelines and their application in oncology.

First Author: Julie R Bloom, BA, MD

Abstract e24108: Testing for clonal hematopoiesis of indeterminate potential in breast cancer survivors.

First Author: Tal Sella, MD

Abstract e24109: Problem-solving skills training in adult cancer survivors: Bright IDEAS-AC.

First Author: Katia Noyes, PhD, MPH

Abstract e24110: Genetic testing documentation in survivorship care plans in patients with breast cancer.

First Author: Kiranveer Kaur, MD

Abstract e24111: The relationships between cancer diagnosis/prognosis awareness and quality of life, anxiety, and depression in Chinese gastroesophageal cancer patients: A cross-correlation analysis.

First Author: Long Wang

Abstract e24113: Breaking bad news in the oncologic population: Residents' perspective.

First Author: Vihitha Thota, MD

Abstract e24115: Developing, implementing, and validating a social toxicity assessment tool of cancer (STAT-C).

First Author: Abdul-Rahman Jazieh, MD, MPH

Abstract e24116: Perceptions of cancer patients and their caregivers regarding COVID-19 pandemic in Ethiopia.

First Author: Aynalem Abraha Woldemariam, MD

Abstract e24117: Coverage of symptomatic toxicities from the common terminology criteria for adverse events (CTCAE) framework within the european organization for research and treatment of cancer (EORTC) item library.

First Author: Claire Piccinin, MSc

Abstract e24118: Evaluating the dyadic management of sexuality-related parameters in women with early breast cancer (EBC): The emergence of “partner reported outcome measurements” (pROMs).

First Author: Eli Sapir, MD

Abstract e24119: COVID-19 and cancer: How outpatients (pts) and their caregivers (CGs) face to the pandemic—A survey from the midst of the Italian outbreak.

First Author: Maria Silvia Cona, MD

Abstract e24120: The SHARE study: Pilot study of a communication intervention designed to elicit advanced-stage cancer patients' preferences and goals.

First Author: Embree Thompson

Abstract e24121: Cancer patients' awareness about clinical research in the era of social media and "fake news": Preliminary results from ELPIS Study.

First Author: Celeste Cagnazzo, PhD

Abstract e24122: Healthcare professionals' perspectives on unique communication and care needs for Chinese American cancer patients.

First Author: Courtney Schroeder, MD

Abstract e24123: Awareness, perceptions, and usage of whole person integrative oncology practices: Similarities and differences between breast cancer patients and oncologists.

First Author: Terri Crudup, MBA

Abstract e24124: Stress as a predictor of tumor growth and development of metastases.

First Author: Tristen Peyser

Abstract e24125: Psychosocial distress in patients with driver-mutant lung cancer.

First Author: Lia Head, MD

Abstract e24126: The influence of clinical stage, race, and gender on factors which impact quality of life in multiple myeloma.

First Author: Meghan Lohowy

Abstract e24127: Revamping the delivery of cancer support, education, and wellness programming during the COVID-19 pandemic.

First Author: Lisa Capparella, LCSW, OSW-C

Abstract e24128: A network analysis approach to the needs of oncological patients.

First Author: Alessandro Rossi, Psychologist, PhDc

Abstract e24129: Adaptive and maladaptive coping strategies among patients with advanced cancer.

First Author: Rony Dev, DO