



Kevin Yoo, M.D., F.A.N.S., F.A.C.S.

9850 Genesee Ave., Suite 560
La Jolla, CA, 92037

Phone: 858-449-9847

Email: YooMD@EACGP.onmicrosoft.com

CURRICULUM VITAE

Work History

Private Practice
August 2017 – Current

Private Practice
SD Neurosurgery, San Diego, California
June 2004 – August 2017

Board Certification and Licenses

- California Medical License (Active)
- Oral Neurological Surgery Board Exam, passed November 2009
- Written Neurological Surgery Board Exam, passed March 1999

Hospital Privileges

- Scripps Memorial Hospital La Jolla
- Scripps Memorial Hospital Encinitas
- Tri-City Medical Center
- Alvarado Hospital Medical Center
- Paradise Valley Hospital
- Natividad Medical Center

- Palomar Medical Center
- Scripps Mercy Hospital

Memberships

- Fellow of the American College of Surgeons
- American Association of Neurological Surgeons
- Congress of Neurological Surgeons
- Korean-American Spine Surgeons
- San Diego County Medical Society – California Medical Association

Education

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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Medical School</u> | Emory University School of Medicine Doctor of Medicine August 1988 - June 1990, August 1991 - June 1993 |
| <u>Graduate School</u> | University of Arkansas for Medical Sciences Department of Anatomy Passed Candidacy Oral and Written Exams July 1994 - December 1996 Emory University Graduate School Division of Biological and Biomedical Sciences July 1990 - July 1991 |
| <u>Undergraduate</u> | University of North Carolina at Chapel Hill Dual Degree: Bachelor of Arts in English and Chemistry August 1984 - June 1988 |

Post-Doctoral Training

July 2002 – June 2004: Chief Resident, Neurosurgical Residency
University of California at San Diego, Division of Neurosurgery,
San Diego, California
January 1997 – July 2002: Neurosurgical Residency

Loyola University Medical Center, Department of Neurosurgery,
Maywood, Illinois

July 1994 – December 1996: Neurosurgical Research Associate
University of Arkansas for Medical Sciences, Department of Neurosurgery,
Little Rock, Arkansas

July 1993 – June 1994: Surgical Internship
Emory University School of Medicine, Department of Surgery and Affiliated
Hospitals, Atlanta, Georgia

Continuing Education

- 13th Korean-American Spine Society Annual Meeting, Napa, CA, July 2018
- 13th Annual Brain Injury Rehabilitation Conference, San Diego, CA, Mar 2018
- 3rd Annual HealthTrust Innovation Summit, Jacksonville, FL, Oct 2017
- 12th World Congress on Brain Injury, New Orleans, LA, Mar 2017
- 12th Annual Brain Injury Rehabilitation Conference, San Diego, CA, Mar 2017

Awards and Honors

- Medyssey- Korean-American Spine Society Traveling Fellowship to Korea 2017
- Champions for Health (Formerly San Diego County Medical Society Foundation):
Health Heroes Award, Mar 2017
- Medical School: Emory University School of Medicine (1988 -1990, 1991 - 1993):
Awarded Medical Student Summer Research Fellowship 1989
- College: University of North Carolina (1984 -1988): John Motley Morehead
Scholar; Dean's Honor List; Member of the UNC Honors Program and the North
Carolina Fellows Program

Leadership Roles

- Chief of Neurosurgery Section, Scripps Memorial Hospital La Jolla, 2019 – 2020
- Advisory Council of San Diego Brain Injury Foundation, 2018 – Current
- Director of Neurosurgery, Alvarado Hospital Medical Center, 2018 – Current

- Director of Neurosurgery, Paradise Valley Hospital, 2017 – Current
- Co-Chair, Neuroscience Care Line, Scripps Memorial Hospital at Encinitas 2017 – 2018

Consulting Experience

- Physician Advisor for HealthTrust, 2017 - Current
- Consultant for Innovasis, 2015 - Current
- Minimally Invasive Spine Executive Surgeon Panel for Alphatec Spine, 2009
- Lumbar Degenerative Spine Executive Surgeon Panel for Alphatec Spine, 2008

Teaching Experience

- Innovasis Spine Symposium: An Evidence-Based Approach to the Management of Spinal Disorders Deer Valley, UT, February 2018
- Innovasis Symposium: Spine Care from Childhood to Old Age, Deer Valley, UT, February 2017
- AO North America: Principles and Treatment of Spinal Disorders for Residents, Orlando, FL, September 2016
- Innovasis Symposium: The Innovasis Spine Meeting, Deer Valley, UT, February 2016
- American Association of Neurological Surgeons Goodman Oral Board Preparation Faculty: Neurosurgery Review by Case Management, Houston, TX, November 2015
- Innovasis Symposium: Improving the Value of Spine Surgery, Deer Valley, UT, February 2015
- DepuySynthes Institute Nursing Education, Principles of Spinal Disorders for Operating Room Personnel. A team approach to AO techniques, Las Vegas, NV, April 2013
- Course of Continuing Education for World Federation of Neurological Surgeons and Society of Neurosurgery of Chile, Santiago, Chile April 2013
- Synthes Spine Introduction to the Lateral Lumbar Approach Forum, Minneapolis, MN, April, 2009
- Minimally Invasive Approaches, X-LIF, Korean American Spine Society Meeting, San Diego, CA, July, 2009

- Synthes Oracle Spacer System Training Forum, San Diego, CA, August 8, 2009.
- Synthes Spine Introduction to the Lateral Lumbar Approach Forum, Dallas, TX, August, 2009
- Synthes Spine Introduction to the Lateral Lumbar Approach Forum, San Francisco, CA, September 2009
- Synthes Spine Introduction to the Lateral Lumbar Approach Forum, Las Vegas, NV, October 2009

Research Experience

- A Feasibility Study to Examine the Efficacy of C2-C3 Dermatomal Peripheral Nerve Stimulation in Cognitive Improvements Following Persistent Impairment After Traumatic Brain Injury
 - Principle Investigator
 - Location: Scripps Memorial Hospital in La Jolla, San Diego, CA
 - Co-Investigators: Monte S. Bauchsbaum, M.D., Christine Baser R.N., PhD
 - Sponsor: Advanced Neuromodulation Systems, Inc.
 - Currently under publication
- Nanoss: Bioactive Bone Void Filler Post Market Study
 - A Prospective, Multi-Center, Non-Randomized Study to Assess Lumbar Fusion using Interbody Cages with Autograft in Conjunction with Instrumented Posterolateral Gutter Fusions Using Nanoss Bioactive
 - Sub-Investigator with Howard Tung, M.D.
 - Location: Scripps Memorial Hospital in La Jolla, San Diego, CA
 - Sponsor: Pioneer Surgical
 - Currently under publication
- The RESCUEicp Study: Randomized Evaluation of Surgery with Craniectomy for Uncontrollable Elevation of Intra-Cranial Pressure
 - Principal Investigator at the Scripps Memorial Hospital in La Jolla site for an International Study based in Oxford, England

- Sub-Investigators: Frank Coufal, M.D., Gail Tominaga, M.D., Fred Simon, M.D.
- Currently undergoing publication

- The Use of Octreoscan as a Diagnostic Tool for Intracranial Neoplasms
 - Co-Principal Investigator in evaluating the role of octreoscan, a nuclear scan based on a somatostatin analog, in preoperative diagnosis and localization and postoperative follow-up of patients with meningiomas and other intracranial neoplasms
 - Location: Department of Neurosurgery; University of Arkansas for Medical Sciences Hospital, John L. McClellan Veterans Administration Hospital, Arkansas Children's Hospital
 - Other Investigators: Ali Krisht, M.D. (P.I.), Oassama Al-Mefty, M.D., F.A.C.S., W. Bruce Cherny, M.D.

- Hormonal and Radiotherapeutic Treatment of Meningiomas
 - Co-Principal Investigator in growing meningioma cell cultures, establishing nude mouse meningioma animal model, and determining therapeutic potential of radiolabeled somatostatin analogs for meningiomas
 - Location: Laboratory of Skull Base Center, Department of Neurosurgery, University of Arkansas for Medical Sciences.
 - Other Investigators: Ali Krisht, M.D. (P.I.), David L. Davies, Ph.D. (Department of Anatomy), Oassama Al-Mefty, M.D., F.A.C.S., Mingzhong Zheng, M.D.

- A Skull Base Tumor Model in the Canine
 - Co-Principal Investigator in establishing a skull base brain tumor model in dogs by implanting tumor cells in the roof of the cavernous sinus and to study the effect of immunosuppression on the rate of tumor growth
 - Location: Laboratory of cerebrovascular and neurosurgery studies, Department of Neurosurgery, Emory University School of Medicine and Division Laboratory and Animal Medicine & Laboratory of Skull

Base Center, Department of Neurosurgery, University of Arkansas for
Medical Sciences

- Other Investigators: Ali F. Krisht, M.D. (P.I.), Kenan Arnautovic, M.D.,
Ossama Al-Mefty, M.D., F.A.C.S.

Publications

1. Hosseini P, Mundis G, **Yoo K**. Successful Spine-Shortening Osteotomy for Recurrent Tethered Cord Syndrome in a Patient with Ehlers-Danlos Type III and Mosaic Trisomy 20: A Case Report. *Shafa Ortho J*. 2018 February; 5(1):e64977.
2. Huang M, Theilmann RJ, Robb A, Angeles A, Nichols S, Drake A, D'Andrea J, Levy M, Holland M, Tao S, Ge S, Hwang E, **Yoo K**, Cui L, Baker DG, Trauner D, Coimbra R, Lee RR. Integrated imaging approach with MEG and DTI to detect mild traumatic brain injury in military and civilian patients. *J Neurotrauma*. 2009 Aug;26(8):1213-26.
3. Ozgur BM, **Yoo K**, Rodriguez G, Taylor WR. Minimally-invasive technique in transforaminal lumbar interbody fusion (TLIF). *Eur Spine J*. 2005 Nov;14(9):887-94. Epub 2005 Sep 8.
4. Levy ML, Meltzer HS, Hughes S, Aryan HE, **Yoo K**, Amar AP. Hydrocephalus in children with middle fossa arachnoid cysts. *J Neurosurg*. 2004 Aug;101(1 Suppl):25-31.
5. Levy ML, Wang M, Aryan HE, **Yoo K**, Meltzer HS. Microsurgical keyhole approach for middle fossa arachnoid cyst fenestration. *Neurosurgery*. 2003 Nov;53(5):1138-44; discussion 1144-45.
6. **Yoo K**, Origitano TC. Familial cervical spondylosis. Case report. *J Neurosurg*. 1998 Jul;89(1):139-41.
7. Alleyne CH Jr, Krisht A, **Yoo K**, Silverstein A, Colohan AR. Bilateral persistent trigeminal arteries associated with cerebral aneurysms and aortic arch vessel anomaly. *South Med J*. 1997 Apr;90(4):434-8.

Book Chapters

1. **Yoo K**, Krisht AF. Etiology and classification of cavernous-carotid fistulas. In: Eisenberg, MB, Al-Mefty O, editors. *The cavernous sinus: a comprehensive text*. Philadelphia: Lippincott Williams & Wilkins; 2000. p. 191-200.

Abstracts and Presentations

Oral Presentations

1. **Yoo, K.** Grand Rounds RESCUEicp: Trial of Decompressive Craniectomy for Traumatic Intracranial Hypertension presented at Scripps Memorial Hospital; 2018 Nov; La Jolla, CA.
2. **Yoo, K.** Image Guidance – CT Scans – Navigated Screws: KASS 12th Annual Meeting; 2017 Jun; Maui, HI.
3. **Yoo, K.** Symposium V: Neuronavigation in Spine Surgery. 7th Asia Spine Meeting; 2016 Sep; Seoul, South Korea.
4. **Yoo, K, Elamparo, K.** Management and Guidelines: Intracerebral Hemorrhage. General Medical Staff Conference at Paradise Valley Hospital; 2015 Sep; National City, CA.
5. **Yoo, K, Elamparo, K.** Management and Guidelines: Intracerebral Hemorrhage. Critical Care Symposium at Tri-City Medical Center; 2015 Sep; Oceanside, CA.
6. **Yoo, K, Elamparo, K.** Image Guidance. Annual Meeting of the Korean American Spine Society; 2015 Jul; Rancho Palos Verdes, CA.
7. **Yoo, K, Elamparo, K.** Role of neurosurgery in stroke management. Paper presented at: Scripps Health 3rd Annual Stroke Conference; 2015 Jun; La Jolla, CA.
8. **Yoo, K, Elamparo, K.** Emergent spinal conditions. Paper presented at: Tri-City Medical Center Emergency Physician Grand Rounds; 2015 Jan; Oceanside, CA.
9. **Yoo, K, Elamparo, K.** Emergent cranial conditions. Paper presented at: Tri-City Medical Center Emergency Physician Grand Rounds; 2015 Oct 15; Oceanside, CA.
10. **Yoo, K, Elamparo, K.** Unusual complication in spine surgery. Paper presented at: Annual Meeting of The Korean American Spine Society (KASS); 2012 Jun 28-30; Rancho Palos Verdes, CA.
11. **Yoo, K, Elamparo, K.** Advances in neurosurgical trauma. Paper presented at: 7th Annual Brain Injury Rehabilitation Conference; 2012 Mar 14; La Jolla, CA.
12. **Yoo K.** Stand-alone single level trans-psoas lumbar interbody fusion. Paper presented at: 1st Triennial World Congress of Minimally Invasive Spine Surgery and Techniques; 2008 Jun 15; Honolulu, HI.

13. **Yoo K**, Coufal F, Leary S. Cervical disc arthroplasty in conjunction with cervical fusion. Paper presented at: 1st Triennial World Congress of Minimally Invasive Spine Surgery and Techniques; 2008 Jun; Honolulu, HI.
14. **Yoo K**, Shownkeen H, Chenelle AG, Origitano TC. Stenting of carotid artery stenosis using shape-memory-alloy-recoverable-technology stents. Paper presented at: 12th Annual Meeting of North American Skull Base Society; 2001 Mar; Orlando, FL.
15. Shownkeen H, **Yoo K**, Hopkins LN, Anderson D, Origitano TC. Stenting of parent vessels and in failed balloon assisted (remodeling) technique in patients with aneurysm regrowth. Paper presented at: 12th Annual Meeting of North American Skull Base Society; 2001 Mar; Orlando, FL.
16. **Yoo K**, Davies DL, Krisht AF, Al-Mefty O. Inhibition of proliferation of meningiomas with a somatostatin analog. Paper presented at: 3rd International Skull Base Congress; 1997 Mar; Little Rock, AR.
17. **Yoo K**, Davies DL, Krisht AF, Al-Mefty O. Successful subcutaneous nude mice implantation of cultured meningioma cells. Paper presented at: 3rd International Skull Base Congress; 1997 Mar; Little Rock, AR.
18. Krisht AF, **Yoo K**, Al-Mefty O, Davies DL. Use of octreoscan for pre- and postoperative detection of skull base meningiomas. Paper presented at: 3rd International Skull Base Congress; 1997 Mar; Little Rock, AR.
19. **Yoo K**, Davies DL, Krisht AF, Al-Mefty O. Inhibition of proliferation of meningiomas with a somatostatin analog. Paper presented at: 2nd International Skull Base Congress; 1996 Jun; San Diego, CA.
20. **Yoo K**, Davies DL, Krisht AF, Al-Mefty O. Successful subcutaneous nude mice implantation of cultured meningioma cells. Paper presented at: 2nd International Skull Base Congress; 1996 Jun; San Diego, CA.
21. **Yoo K**, Krisht AF, Al-Mefty O, Davies DL. Use of octreoscan for pre- and postoperative detection of skull base meningiomas. Paper presented at: 2nd International Skull Base Congress; 1996 Jun; San Diego, CA.
22. Krisht AF, **Yoo K**, Arnautovic KI, Al-Mefty O. Canine cavernous sinus tumor model. Paper presented at: 2nd International Skull Base Congress; 1996 Jun; San Diego, CA.
23. **Yoo K**, Krisht AF, Wallace B, Arnautovic KI, Al-Mefty O. Somatostatin receptor scintigraphy with [¹¹¹Indium-labeled DTPA-D-Phe¹]-octreotide: diagnosing, localizing, and determining the extent of resection of meningiomas. Paper presented at: Southern Neurosurgical Meeting; 1996 Mar; Miami, FL.

Poster Presentations

1. **Yoo K**, Tominaga GT, Elamparo K, Dandan IS, Nasrallah F, Schwendig G, Sedwitz, M, Ghosh S, Leary S, Schweitzer J, Udani V, Dandan T, Schaffer KB, Coufal F. Immediate Head CT following Emergency Craniotomy or Craniectomy for Trauma. Poster session presented at: 12th World Congress on Brain Injury; 2017 Mar; New Orleans, LA.
2. Tominaga GT, Dandan IS, Coufal F, **Yoo K**, Schaffer K, Simon FJ Jr, Eastman AB. Decompressive craniectomy for severe brain injury: lessons learned. Poster session presented at: Annual American Association for the Surgery of Trauma; 2008 Sep; Maui, HI.
3. Ozgur BM, Aryan HE, **Yoo K**, Taylor WR. Adult degenerative scoliosis repair via an extreme lateral interbody fusion technique (XLIF). Poster session presented at: American Association of Neurological Surgeons; 2005.
4. **Yoo K**, Shownkeen H, Oritano TC. Pediatric congenital vertebral artery fistula treated successfully with endovascular techniques. Poster session presented at: 12th Annual Meeting of North American Skull Base Society; 2001 Mar; Orlando, FL.
5. **Yoo K**, Shownkeen H, Oritano TC. Successful treatment of carotid artery stenosis with shape-memory-alloy-recoverable-technology stents. Poster session presented at: Cardiovascular Section; 2001; HI.
6. **Yoo K**, Shownkeen H, Oritano TC. Carotid-cavernous fistula: multiple routes in endovascular treatment. Poster session presented at: Congress of Neurological Surgeons; 2000; San Antonio, TX; and Cardiovascular Section; 2001; HI.
7. **Yoo K**, Shownkeen H, Oritano TC. Endovascular treatment of transverse-sigmoid sinus dural AVMs presenting as pulsatile tinnitus. Poster session presented at: Congress of Neurological Surgeons; 2000; San Antonio, TX; and Cardiovascular Section; 2001; HI.
8. Nockels R, **Yoo K**, Leppla D, Rauzzino M. Rigid stabilization of the cervicothoracic region with combined lateral mass and hook rod implants. Poster session presented at: Congress of Neurological Surgeons; 2000; San Antonio, TX.
9. Shownkeen H, **Yoo K**, Oritano TC. Three topics presented on balloon, embolization, and coil treatment. Poster session presented at: Interventional Neuroradiology Peer Review Conference; 2000; Jackson Hole, WY.

10. **Yoo K**, Jellish WS, Murdoch J, Leonetti J, Fluder E, Corsino A. Peripheral nerve injury associated with skull base surgery. Poster session presented at: American Association of Neurological Surgeons; 2000; San Francisco, CA.
11. **Yoo K**, Jellish WS, Brody M, Shea J, Slogoff M, Oritano TC. The effect epidural clonidine and/or SQ bupivacaine have on postoperative outcomes after lower back surgery using spinal anesthesia. Poster session presented at: American Association of Neurological Surgeons; 2000; San Francisco, CA.
12. **Yoo K**, Jellish WS, Leonetti J, Fluder E, Corsino A, Oritano TC. Perioperative comparisons of the lateral vs. classic approach to the skull base. Poster session presented at: American Association of Neurological Surgeons; 2000; San Francisco, CA.
13. Krisht AF, **Yoo K**, Arnautovic KI, Al-Mefty O. Canine cavernous sinus tumor model. Poster session presented at: American Association of Neurological Surgeons; 1996; Minneapolis, MN.
14. **Yoo K**, Krisht AF, Wallace B, Arnautovic KI, Al-Mefty O. The use of somatostatin receptor scintigraphy with [111Indium-labeled DTPA-D-Phe1]-octreotide for preoperative diagnosis of brain tumors. Poster session presented at: Student Research Day. University of Arkansas for Medical Sciences College of Medicine; 1995; Little Rock, AR.
15. **Yoo K**, Krisht AF, Wallace B, Arnautovic KI, Al-Mefty O. The use of somatostatin receptor scintigraphy with [111Indium-labeled DTPA-D-Phe1]-octreotide for postoperative follow-up of meningiomas. Poster session presented at: Congress of Neurological Surgeons; 1995; San Francisco, CA.
16. **Yoo K**, Krisht AF, Wallace B, Arnautovic KI, Al-Mefty O. The use of somatostatin receptor scintigraphy with [111Indium-labeled DTPA-D-Phe1]-octreotide for preoperative diagnosis of brain tumors. Poster session presented at: Congress of Neurological Surgeons; 1995; San Francisco, CA.
17. Arnautovic KI, Borba L, Pait TG, Al-Mefty O, Krisht AF, **Yoo K**. The vertebral artery; microsurgical anatomy of occipito-C1/C2 segment. Poser session presented at: 4th International Workshop on Cerebrovascular Surgery; 1995.
18. Krisht AF, Bulent C, Arnautovic KI, **Yoo K**, Al-Mefty O. Giant invasive pituitary adenomas. Poster session presented at: American Association of Neurological Surgeons; 1995.
19. Krisht AF, Barrow D, Al-Mefty O, **Yoo K**. The microanatomic features of the clinoidal cone. Poster session presented at: American Association of Neurological Surgeons; 1995.

20. Krisht AF, Barrow D, Al-Mefty O, Shengalaia G, **Yoo K**. The microsurgical anatomy of a basilar artery perforator free zone. Poster session presented at: American Association of Neurological Surgeons; 1995.