

ZACHARY GINSBERG, MD, MPP, FACEP

Duke University, Trauma & Critical Care Surgery and Emergency Medicine
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Summary: Academic faculty at Duke University in both Emergency Medicine and Surgical Critical Care. With a dual appointment actively practicing in both specialties, I work shifts in both the emergency department and the intensive care unit teaching students, residents and fellows. Earned degrees from Brown and Harvard and the nation's most prestigious surgical critical care fellowship. Able to provide expert case review of clinical care in ED and ICU care.

EDUCATION

BROWN MEDICAL SCHOOL Providence, RI
Medical Doctorate, May 2010

Awards: 2010 RI ACEP certificate of recognition
2006 Student Leadership Award for Social Justice in Medicine, RI Department of Health

HARVARD UNIVERSITY, John F. Kennedy School of Government Cambridge, MA
Masters in Public Policy, May 2010

Thesis: *Hospital Surge Planning, Crisis Management and Disaster Response: a case study of Children's Hospital of Boston's response to H1N1 pandemic influenza.*

Awards: Certificate of Humanitarian Field Studies from the Harvard Humanitarian Initiative.
Harvard Kennedy School Spring Exercise Winner (awarded to top ten students competing in school wide policy competition).

BROWN UNIVERSITY Providence, RI
Bachelor of Arts, May 2004

Major: Community Health
Award: 2004 Lydia Shaw King Award for Commitment to Community Health

TRAINING

2013 - 2015 **UNIVERSITY OF MARYLAND R ADAMS COWLEY SHOCK TRAUMA CENTER** Baltimore, MD
Trauma and Surgical Critical Care Fellowship
Award for Excellence in Critical Care Knowledge
Bravo Award

2010-2013 **NORTH SHORE UNIVERSITY HOSPITAL, Department of Emergency Medicine** Manhasset, NY
Residency Program in Emergency Medicine

HOSPITAL APPOINTMENTS

2020 - Present **DUKE UNIVERSITY HOSPITAL** Durham, NC
Emergency & Critical Care Physician
Division of Surgery, Medical Instructor
Department of Trauma & Acute Critical Care Surgery
Department of Emergency Medicine

2015-2020 **KETTERING HEALTH NETWORK** Dayton, OH
Emergency Medicine and Critical Care Medicine Physician
Emergency Medicine Specialists Inc, Department of Emergency Medicine
South Dayton Acute Care Consultants, Department of Critical Care Medicine

PUBLICATIONS

- August 2020 **Boarding of Critically Ill Patients in the Emergency Department** Article
Mohr NM, Wessman B, Bassin B, Elie-Turenne MC, Ellender T, Emler L,
Ginsberg Z, Gunnerson K, Jones K, Kram B, Marcolini E and S Rudy.
Critical Care Medicine – Vol 48, No 8. August 2020, pg 1099-1247
- September 2017 **Spatial methods for evaluating critical care and trauma transport: A scoping review.**
Vasilyeva Y, Widener MJ, Galvagno SM, **Ginsberg Z**. *Journal of Critical Care*.
Volume 43, September 2017, pp 265-270.
- January 2017 **The Physiologically Difficult Intubation** Book Chapter
Ginsberg Z, Weingart SD. Physiology of the Peri-Intubation. In: Farcy DA,
Chiu WC, Marshall JP, Osborn TM, eds. *Critical Care Emergency Medicine*,
Second Edition. New York, NY: McGraw-Hill Education; 2017: 21-24.
- June 2016 **Case Series Applying Extracorporeal Liver Support for Trauma-Induced Hepatic Dysfunction ELS in Hepatic Trauma.** Article
Ginsberg Z, Thurman P, Scalea TM, Stein DM. *Journal of Trauma and Acute Care Surgery*. Volume 80, Issue 6, June 2016, pp 1039-1044.
- July 2015 **Time Cost Tradeoffs between Ground and Helicopter Emergency Medical Services: A Geographic Information Science Approach.** Article
Widener M, **Ginsberg Z**, Schleith D, Floccare D, Hirshon JM, Galvagno S. *Aerospace Medicine and Human Performance*, Volume 86, Number 7, July 2015, pp. 620-627(8)
- April 2015 **Emergency Department Bouncebacks: is lack of primary care access the primary cause?** Article
Moskovitz J, **Ginsberg Z**. *Journal of Emergency Medicine*, Vol. 49, No. 1, pp. 70–77, 2015 PMID: 25862359
- July 2014 **Ginsberg Z, Menaker J. Trauma Resuscitation: The Use of Blood and Blood Products** Article
Trauma Reports. July/August 2014; Vol 15: Number 4
- May 2013 **Electronic Medical Records and Health IT Meaningful Use: A Pathway to Improving Quality of Care and Patient Outcomes** Chapter
Emergency Medicine Residency Association’s Advocacy Handbook, 3rd Edition
- April 2011 **Ginsberg Z, Kreismann E. Patient Requests for Nonindicated Care** Article
Virtual Mentor. 2011; 13:217-219. PMID 23131325

SCHOLARLY PRESENTATIONS

January 2017	Inter-facility transport of patients with time-sensitive critical illness: A geospatial analysis Galvagno SM, Vasilyeva Y, Widener MJ, Tran Q, Rubinson L, Ginsberg Z , Scalea TM, O'Connor J. 2017 Critical Care Congress Society of Critical Care Medicine, Honolulu Hawaii, January 2017.	Abstract
February 2015	Developing Comfort with the Uncomfortable: Status Update on Adrenal Insufficiency R Adams Cowley Shock Trauma Critical Care Fellows Lecture Series	Lecture
November 2014	Health and Geography: Adding Value by Accounting for Environment in Healthcare Delivery University of Cincinnati Geography Colloquium Health and Medical Geography Speaker Series	Lecture
October 2014	Hieroglyphics of the Intensivist: Demystifying the Ventilator R Adams Cowley Shock Trauma Critical Care Fellows Lecture Series	Lecture
June 2014	Exploring the Role of Geographic Information Science in Aeromedical Emergency Medical Systems. Ginsberg Z. Shock Trauma Center University of Maryland Surgical and Trauma Grand Rounds. June 12, 2014.	Grand Rounds
April 2014	Time Cost Tradeoffs between Ground and Helicopter Emergency Medical Services American Association of Geographers Annual Meeting, Tampa FL April 22, 2014. Widener M, Ginsberg Z , Galvagno S.	Poster Presentation
September 2013	Massive Transfusion Protocols and Practices ON POINT research initiative University of Maryland, Baltimore, MD	Lecture
March 2013	Evidence Based Administration: Boarding, Operations Management and Innovative Interventions and Statistics Administrative Lecture Series NSUH Department of Emergency Medicine, Manhasset, NY	Lecture
September 2012	Environmental and Thermal Injuries Core content lecture series NSUH Department of Emergency Medicine, Manhasset, NY	Lecture
August 2011	Use of Beta-Blockade in ST-segment Elevation Myocardial Infarction Evidence Based Medicine Lecture Series NSUH Department of Emergency Medicine, Manhasset, NY	Lecture
May 2010	A Case of Severe H1N1 in a Healthy Adult with Broad Implications for Public Health Planning, American Thoracic Society International Conference, New Orleans, LA May 19, 2010.	Poster Presentation

November 2009	Health Care Reform: How Can We Improve Service Delivery Levinger Lecture Series Panel, Brown University Community Forum. Ginsberg, Z. , Wing, E., Wetle, T., Roberts, E., O'Toole, T.	Conference Panelist
October 2009	World Bank and Food Security: Filling Red Cups and Building Green Buckets. In person briefing of President Robert Zoellick of the World Bank, Washington D.C. October 16, 2009 Ginsberg, Z. , V Fan, G Jain, AR Flores, M Sueldo.	Briefing
November 2006	Overburdened Emergency Departments: Causes and Solutions University of Miami Medical School, AMSA Regional Conference, Miami, FL	Lecture
November 2006	Increasing Exposure to Community Health Centers University of Miami Medical School, AMSA Regional Conference, Miami, FL	Lecture
November 2006	Civic Engagement in Health Care Case Western Medical School, AMSA Regional Conference, Cleveland, OH	Lecture
September 2006	Community Health Equity Plenary Speaker, AMSA Legislative Affairs Leadership Institute, Washington D.C.	Speaker

PROFESSIONAL CERTIFICATIONS

2015	American Board of Surgery - Surgical Critical Care Board Certified Board certification expires 12/31/2026
2013	American Board of Emergency Medicine – Emergency Medicine Board Certified Board certification expires 12/31/2024
2015	Basic Endovascular Skill Training Course Certification
2013-2021	Advanced Trauma Life Support – Instructor
2013-2015	Fundamental Critical Care Support – Instructor
2013	Continuous Renal Replacement Therapy Certificate
2013-2021	Advanced Cardiac Life Support, renewed 2017
2013-2021	Basic Cardiac Life Support, renewed 2015

LEADERSHIP & PUBLIC SERVICE

2019-2020	KETTERING MEDICAL NETWORK CRITICAL CARE COMMITTEE Physician member	2019-2020
2019-2020	KETTERING MEDICAL CENTER SURGICAL ICU Medical Director	2019-2020
2017-2020	ACEP-SCCM JOINT TASKFORCE ON ICU BOARDING IN THE ED	

2010-2013 **ACEP FEDERAL GOVERNMENT AFFAIRS COMMITTEE**
EMRA Representative

2010-2012 **NY ACEP Government Affairs Committee**
Committee member

2009-2010 **MA DEPARTMENT OF PUBLIC HEALTH, *Emergency Preparedness Bureau*** Boston, MA
Intern at the Boston Children's Hospital's Emergency Management Office

- Analyzed surge capacity, readiness and management efforts in response to H1N1 pandemic influenza at Boston Children's Hospital.

2008-2010 **HARVARD UNIVERSITY, *Ash Institute Center for Disaster Preparedness and Crisis Management*** Cambridge, MA
Research Assistant

2008-2009 **RI ACEP, LEGISLATIVE AFFAIRS COMMITTEE**
Chair

2008-2009 **HARVARD HEALTH POLICY PROFESSIONAL INTEREST COUNCIL**
Chair

2006-2007 **AMERICAN MEDICAL STUDENT ASSOCIATION (AMSA), *Community & Public Health Action Committee***
National Public Health Justice Coordinator

- Launched a national campaign across medical school campuses
- Founded the Health Equity Scholars

2006 **AMSA, LEGISLATIVE AFFAIRS LEADERSHIP INSTITUTE**
Conference Planner

- Organized a national legislative affairs conference of over 150 medical students focused on health policy topics. Speakers included then Senator Barack Obama, the interim-Surgeon General Keith Moritsugu and the Secretary of Veterans Affairs.

2005-2007 **BROWN MEDICAL SCHOOL, *Financial Aid Policies Executive Committee***
Student Member

2005-2007 **BROWN MEDICAL SCHOOL, *Patient Advocacy Coordinating Council***
Member

Summer 2006 **Area Health Education Centers** Providence, RI
Consultant

Summer 2005 **MIDWIFERY & WOMEN'S PRENATAL HEALTH ASSESSMENT** Esteli, Nicaragua
Project Director

Summer 2005 **Global Pediatric Alliance** Ecuador
Project Director
Director on-site for water sanitation development project in the Amazon rain forest

Summer 2001 **National Institute of Neurological Disorders and Stroke**
Research Fellow at Marine Biological Laboratory

Woods Hole, MA

PROFESSIONAL SOCIETY MEMBERSHIP

2013-Present Society of Critical Care Medicine
2007-Present American College of Emergency Physicians
2007-2013 Emergency Medicine Residents Association
2004-2010 American Medical Student Association

OTHER

Languages Advanced Italian, Advanced Spanish

Data analysis Decision Analysis, Operations Management, LEAN, 6-Sigma, Statistical Process Control, bivariate regression analysis, hypothesis testing