Ali Tabatabai, MD

Assistant Professor

Department of Medicine

University of Maryland School of Medicine

**Date:** Oct 31, 2017

**Contact Information:**

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Foreign Languages spoken: Parsi (fluent)

**Education:**

1996 – 2000 Bachelor of Science in Cell and Molecular Biology and Genetics

University of Maryland at College Park

Departmental Honors in Cell and Molecular Biology and Genetics

2000 – 2004 Doctor Medicine

University of Maryland School of Medicine

**Post Graduate Education and Training:**

2004 – 2007 Residency in Internal Medicine

Department of Internal Medicine

University of Maryland Medical Center

2008 – 2009 Trauma and Critical Care Fellowship

University of Maryland Medical Center / R Adams Cowley Shock Trauma Center

**Certification:**

July 2007 American Board of Internal Medicine

Feb 2014 UCNS Neurologic Critical Care Certification

**Medical Licensure:**

2007 – present State of Maryland, Active

**Employment History:**

2007 – 2008 Attending physician, Department of Medicine, Mercy Medical Center, Baltimore, MD

2007 – 2008 Attending physician, Department of Medicine

University of Maryland Medical Center

2009 – present Attending Physician, Department of Medicine, Division of Critical Care/Program in Trauma, R Adams Cowley Shock Trauma Center, University of Maryland School of Medicine

**Academic Appointments:**

2007 – 2008 Clinical Instructor, part-time, Department of Medicine, University of Maryland School of Medicine

2007 – 2008 Clinical Instructor, Secondary Appointment, Department of Emergency Medicine, University of Maryland School of Medicine

2009 – present Assistant Professor, Department of Medicine, University of Maryland School of Medicine

**Honors and Awards:**

1996 Mensa member

1996 Maryland Distinguished Scholar

1996 National Merit Scholar

1996 – 2000 Banneker/Key Scholar (UMCP)

2000 Honors Program, Honors Citation (UMCP)

2000 Undergraduate Departmental Honors in CMBG (UMCP)

**Administrative Service:**

Institutional Service:

2001 – Present UMAB School of Medicine applicant interviewer.

2009 – Present Co-faculty mentor, University of Maryland School of Medicine Medical Student Trauma Interest Group

2010 – Present Co-associate Director of Medical Education at the R Adams Cowley Shock Trauma Center

2010 – Present Member, UMMC Emergency Management Committee

2011 – Present Director of Physician Education, R Adams Cowley Shock Trauma Center

2012 – 2014 Chair, UMMC CSICU Safety committee

2013 – Present Member, R Adams Cowley Shock Trauma Center ICU committee

2014 – Present Member, UMMC Resuscitation Committee

2015 – Present Member, Ethics Committee at UMMC

2015 – Present Member, CME Advisory Committee at University of Maryland School of Medicine

2016 – Present Member, Ethics Steering Committee at UMMC

Educational Service:

2007 – Present Faculty Instructor, Introduction to Clinical Medicine I and II, University of Maryland School of Medicine

2009 – Present Course Director, Medical Student Trauma Simulation Course, R Adams Cowley Shock Trauma Center

2009 – Present Instructor, Advanced Trauma Life Support Course, American College of Surgeons Committee on Trauma

2009 – Present Instructor, Fundamental Critical Care Support Course, Society of Critical Care Medicine

2010 – Present Instructor, Rural Trauma Team Development Course, American College of Surgeons Committee on Trauma

2011 – Present Clerkship director, Trauma/Surgical Critical Care Sub-internship, University of Maryland School of Medicine

2011 – Present Instructor, Trauma Evaluation and Management Course, American College of Surgeons Committee on Trauma

2011 – 2013 Instructor, Disaster Management and Emergency Preparedness Course, American College of Surgeons Committee on Trauma

2012 – Present Co-Director Critical Care Nurse Practitioner Residency (renamed as a Fellowship in 2014), University of Maryland Medical Center, University of Maryland School of Nursing

2013 – Present Course Director, Disaster Management and Emergency Preparedness Course, American College of Surgeons Committee on Trauma

2013 – 2015 Faculty Instructor, Train the Trainer Course, Maryland Advanced Simulation Training Research and Innovation (MASTRI) center

2014 – Present Co-Course Director, Surgical Boot Camp Elective, University of Maryland School of Medicine

2014 – Present Course Director, Surgical PGY2 Resident Simulation Education Program (aka ‘ICU School Simulations’), Department of Surgery, University of Maryland School of Medicine

2016 – Present Course Director, Surgical PGY1 Resident Simulation Education Program (aka ‘Intern Simulations’), Department of Surgery, University of Maryland School of Medicine

International Service:

2011 – 2012 Rio de Janeiro Trauma Simulation training module; Co-designer

Local/National (Volunteer Service):

1995 St. Joseph Medical Center

1999 – 2000 Shock Trauma Center, trauma resuscitation unit

2000 American Cancer Society Hope Lodge Dinner.

2000 – 2001 Medical Breakaway.

2000 Thanksgiving Dinner for the Homeless, PR Coordinator.

2000 – 2001 Peds Pals.

2000 – 2001 Book Drive for Rwanda’s First Public Library. Kigali, Rwanda.

**Research:**

1998 University of Maryland School of Medicine

Undergraduate Research Fellowship.

Performed in the lab of Dr. Tina Cowan in the Division of Genetics in the Department of Pediatrics. Competitively awarded fellowship. Research resulted in the identification of a novel Epimerase mutation in a patient with sub-clinical galactosemia.

1999 – 2000 Howard Hughes Medical Institute

Undergraduate Research Fellowship

Earned departmental honors for research conducted in the lab of Dr. Charles Delwiche at the University of Maryland, College Park. Competitively awarded grant. Research performed involving Form II Rubisco found in Dinoflagellates. Using PCR, new sequence data was obtained for several taxa, and the data was phylogenetically analyzed.

2001 – 2003 University of Maryland School of Medicine

Medical Student Research Fellowship.

Research performed in the lab of Dr. Marc J. Simard. Competitively awarded fellowship. Neurosurgical research into the differential expression of aquaporin channels on reactive

astrocytes in a rat brain model of penetrating brain trauma, and the role of these channels in cytogenic edema. Analysis included differential expression in the presence of low dose and high dose beta-estradiol vs. saline infusion.

2009 – Present Research regarding role of antibiotic use in trans-alimentary tract gunshot wounds to the spine.

2009 – Present Research regarding simulation and medical student education.

2013 – 2015 Mock Code and Code Team education project.

2014 – Present ARDS outcome research, focusing on VV ECMO rescue therapy.

**Publications:**

Reynolds HN, Sheinfeld G, Chang J, Tabatabai A, Simmons D.  *The Tele-ICU during a "Disaster":  Seamless Transition from Routine Operations to Disaster Mode.* Telemedicine and e-Health, 2011 Nov;17(9):746-9. doi: 10.1089/tmj.2011.0046. Epub 2011 Sep 23.

Rabinowitz RP, Tabatabai A, Stein DM, Scalea TM. *Infectious Complications in the GSW’s through the gastrointestinal tract into the spine.* Injury, 2012 Jul;43(7):1058-60. doi: 10.1016/j.injury.2012.01.014. Epub 2012 Feb 4.

Sorensen EN, Carla Williams P, Tabatabai A. *Use of tissue plasminogen activator to resolve high purge system pressure in a catheter-based ventricular-assist device.* J Heart Lung Transplant, 2014 Apr;33(4): 457-8. doi: 10.1016/j.healun.2014.01.005. Epub 2014 Jan 19.

Menaker J, Tabatabai A, Rector R, Dolly K, Kufera J, Lee E, Kon Z, Sanchez P, Pham S, Herr DL, Mazzeffi M, Rabinowitz RP, OʼConnor JV, Stein DM, Scalea TM. *Incidence of cannula associated deep vein thrombosis after veno-venous ECMO.* ASAIO J. 2017 Sep/Oct;63(5):588-591. doi: 10.1097/MAT.0000000000000539.

Menaker J, Dolly K, Rector R, Kufera J, Lee EE, Tabatabai A, Rabinowitz RP, Kon Z, Sanchez P, Pham S, Herr DL, O'Connor JV, Stein DM, Scalea TM. *The Lung Rescue Unit (LRU) - Does a dedicated intensive care unit for veno-venous extra-corporeal membrane oxygenation (VV ECMO) improve survival to discharge?* J Trauma Acute Care Surg. 2017 Sep;83(3):438-442. doi: 10.1097/TA.0000000000001524.

Timofte I, Terrin M, Barr E, Kim J, Rinaldi J, Ladikos N, Menaker J, Tabatabai A, Kon Z, Griffith B, Pierson R, Pham S, Iacono A, Herr D. *Adaptive periodic paralysis allows weaning deep sedation overcoming the drowning syndrome in ECMO patients bridged for lung transplantation: A case series.* J Crit Care. 2017 Jul 17;42:157-161. doi: 10.1016/j.jcrc.2017.07.033. [Epub ahead of print]

Wells CL, Forrester J, Vogel J, Rector R, Tabatabai A, Herr D. *Safety and Feasibility of Early Physical Therapy for Patients on Extracorporeal Membrane Oxygenator: University of Maryland Medical Center Experience.* Crit Care Med. 2017 Oct 19. doi: 10.1097/CCM.0000000000002770. [Epub ahead of print]

**Presentations:**

**M. Chen**, A. Tabatabai, J.M. Simard. *Inhibition of aquaporin-1 expression by 17-beta-estradiol in reactive astrocytes from adult rat brain.* Society Neuroscience, January 2001; Abstract 27, Program No. 901.17.

**A. Tabatabai**, M. Chen, J.M. Simard. *Effects of 17-beta-estradiol on expression of aquaporin-1 in reactive astrocytes from adult rat brains.* University of Maryland Medical Center Summer Research Forum, August 2001.

**Tabatabai A**. *Benign type of central pontine myelinolysis in Alcoholism: A 58-year-old woman with ataxia.* Maryland Associates Day Meeting of the American College of Physicians, Baltimore, May 2005.

**Reynolds, HN, M.D**.,  Sheinfeld, G, M.D., Chang,J., Tabatabai A., Simmons D.*The Tele-ICU During a “Disaster”:Seamless Transition from Routine Operations to Disaster Mode.* Telemedicine and e-Health, April 2011; 17 (S1): pp 91.

**Laura Buchanan MD**, David Gens MD, Hyacinth Norris, Steven Woodward, Hegang Chen PhD, Ali Tabatabai MD, Ron Tesoroerio MD, Mayur Narayan MD, MPH, MBA. *Effect of Cadaver Based Training on Resident Confidence with Lifesaving Procedures:*

*A Model for Trauma Skill Training for Combined Emergency Medicine and Surgical Residents*. Association for Surgical Education, 2013 Surgical Education Week.

**Tabatabai, Ali**; Mazzeffi, Michael; Matta, Ann; Hollis, Allison; Zubrow, Marc; Rajagopal, Keshava; Schmalze, Sarah; Scalea, Thomas. *Tele-ICU, Regionalization of Critical Care and ECMO: Leptospirosis with Diffuse Alveolar Hemorrhage.* Society of Critical Care Medicine, 46th Critical Care Congress, Honolulu 2017.

Dolly, Kate; Madden, Maria; Rector, Ray; Wright, Tina; Pyzik, Amber; **Tabatabai, Ali**; Herr, Daniel; Menaker, Jay. *To Prone or Not to Prone the Adult VV ECMO Patient: Is it Safe? That is the Question.* Society of Critical Care Medicine, 46th Critical Care Congress, Honolulu 2017.  
   
**Tabatabai, Ali**; Stene, Edward; Menaker, Jay; Kufera, Joe; Rabinowitz, Ronald; Kon, Zachary; Herr, Daniel; Scalea, Thomas. *Methylprednisolone Infusion Associated with Improved Compliance in Acute Respiratory Distress Syndrome (ARDS) Patients on Veno-Venous Extracorporeal Membrane Oxygenation (VV ECMO)*. American Thoracic Society, ATS 2017 International Conference, Washington, DC 2017.

**Invited Speech:**

January, 2010 “*Propofol Infusion Syndrome*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore, MD

April, 2010 “*Hepatorenal Syndrome*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore, MD

September, 2010 “*Arrhythmias*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore, MD

November, 2012 “*Arrhythmias*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore, MD

November, 2012 “*DVT and PE*”

Special Topics in Trauma Care

University of Maryland School of Medicine, Baltimore MD

January, 2013 “*Medical Illnesses in Trauma Admissions*”

Department of Surgery Grand Rounds

University of Maryland School of Medicine, Baltimore MD

January, 2014 “*Arrhythmias*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore MD

March, 2014 *“Introduction to Simulation”*

Train the Trainer – Simulation Trainer Introductory Course

MASTRI Center

University of Maryland Medical Center, Baltimore MD

April, 2014 *“Cultural Competency Workshop”*

Introduction to Clinical Medicine I

University of Maryland School of Medicine, Baltimore MD

June 2014 *“Volunteer Orientation : How I became a physician”*

R Adams Cowley Shock Trauma Volunteer program

University of Maryland Medical Center, Baltimore MD

July, 2015 *“Careers in Medicine”*

Lead America

R Adams Cowley Shock Trauma Center

University of Maryland Medical Center, Baltimore MD

September, 2015 “*Arrhythmias*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore MD

June, 2016 *“Vital Signs in Shock”*

Department of Rehabilitation Service

Clinical Specialist Lecture Series

University of Maryland Medical Center, Baltimore MD

June, 2016 *“Careers in Medicine”*

Lead America

R Adams Cowley Shock Trauma Center

University of Maryland Medical Center, Baltimore MD

October, 2016 “*Arrhythmias*”

R Adams Cowley Shock Trauma Fellows lecture series

University of Maryland Medical Center, Baltimore MD