

Curriculum Vitae

Richard Gentry Wilkerson, MD

Assistant Professor, Department of Emergency Medicine
University of Maryland School of Medicine

Date: July 1, 2019

Contact Information: Department of Emergency Medicine
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Education

1991-1996 B.S., Microbiology and Cell Science, University of Florida
2000-2004 M.D., University of Miami School of Medicine

Post-Graduate Training & Education

2004 – 2008 Residency, Emergency Medicine, SUNY-Downstate

Certifications

2009 Diplomat, American Board of Emergency Medicine

Medical Licensures

2008 Inactive, New York
2010 Inactive, Florida
2010 Inactive, Medical Council of Tasmania, Australia
2012 Active, Maryland

Employment History

Academic Appointments

2008-2009 Clinical Assistant Professor, Department of Emergency Medicine,
State University of New York-Downstate
2010-2012 Clinical Assistant Professor, College of Medicine, University of
South Florida

2012-present Assistant Professor, Department of Emergency Medicine, University of Maryland School of Medicine

Professional Society Membership

2001-2012 Emergency Medicine Resident's Association
2010-2012 Florida College of Emergency Medicine
2001-2009 Diplomate, American College of Emergency Physicians
2009-present Fellow, American College of Emergency Physicians
2012-present Diplomate, American Academy of Emergency Medicine
2017-present General Member, Society for Academic Emergency Medicine

Honors and Awards

1988 Eagle Scout, Florida Troop 2, Boy Scouts of America
2008 Resident Award Disaster Preparedness Division
2008 Resident Award Student Education Division
2008 eMedicine Contributor of the Month (December)
2015 Outstanding Teaching Attending Award, Univ. of Maryland Emergency Medicine Residency
2017 Outstanding reviewer - American Journal of Emergency Medicine
2017 Western Journal of Emergency Medicine Distinguished Reviewer
2017 Western Journal of Emergency Medicine Distinguished Section Editor
2018 Top Reviewer – American Journal of Emergency Medicine
2019 Clinician of the Year – Maryland Chapter of The American College of Emergency Physicians

Clinical Activities

Clinical Expertise

Board certified in emergency medicine

Clinical, educational, and research focus in emergency medicine

Scope of Clinical Practice

2008-2009 Site of Primary Practice: Kings County Hospital & SUNY-Downstate Medical Center
 ~155,000+ & ~60,000 per year (patient volume)
 Providing direct patient care and supervising resident trainees
 75% clinical (140 hours per month), 25% educational
2010 Site of Primary Practice: Launceston General Hospital (Tasmania, Australia)

~40,000 per year (patient volume)
 Providing direct patient care (Consultant) and supervising trainees (Registrars)
 100% clinical (120 hours per month)
 2010-2012 Site of Primary Practice: Tampa General Hospital
 ~100,000 per year (patient volume)
 Providing direct patient care and supervising resident trainees
 Director of Research
 65% clinical (100 hours per month); 15% administrative; 20% research
 2012-present Site of Primary Practice: University of Maryland Medical Center
 ~55,000+ per year (patient volume)
 Providing direct patient care and supervising resident trainees
 Coordinator for Clinical Research from Aug 2012-May 2016
 Director Emergency Department Observation Services (Clinical Decision Unit) from Nov 2012-Jun 2015
 Director of Clinical Research from May 2016-present
 50-75% clinical (30-100 hours per month); 15% administrative; 10-35% research

Development of Clinical Programs

2016 Developed and lead Emergency Department Overdose Response Program
 2017 Developed Guideline for Initiation of Buprenorphine in the Emergency Department
 2017 Developed Guideline for Emergency Department Care of Patient with Sickle Cell Vaso-Occlusive Crisis
 2019 Clinical Leader to Develop Multi-Disciplinary Sickle Cell Program (0.2 FTE)

Administrative Service

Institutional Service

2004-2009 Member, Continuous Quality Improvement Committee; Kings County Hospital
 2004-2009 Member, CBRNE Disaster Response Team: Kings County Hospital
 2011-2012 Member, Pharmacy and Therapeutics Committee, Tampa General Hospital
 2012-present Member, UMMC Department of Emergency Medicine Peer Review Committee

2013 Member, 2-Midnight Rule Committee, University of Maryland Medical Center

2013-present University of Maryland School of Medicine Council, 2013-2015 Alternate Member
2015-present Department Representative

2013-2014 Member, University of Maryland Medical Center Denials Committee

2014-present Admissions Interviewer, University of Maryland School of Medicine

2017-present Member, Pharmacy and Therapeutics Committee, University of Maryland Medical Center

2017-present Member, UMMC Opioid Task Force
Co-Chair 2018-present

2017-present Member- Professional Assistance Committee, UMMC

2019-present Clinical Leader: UMMC Sickle Cell Disease Multi-Disciplinary Care Program

2019-present Chair, UMMC ED Research Review Committee

National Service

2012 *Ad Hoc* Reviewer, The African Journal of Emergency Medicine (1x/year)

2014-present *Ad Hoc* Reviewer, Western Journal of Emergency Medicine (20x/year)

2014-present Co-Editor, Disaster Medicine Section, Western Journal of Emergency Medicine

2014-present Member, American Academy of Emergency Medicine (AAEM) Education Committee

2015-present Member, AAEM Scientific Assembly Planning Committee
Chair for Pecha Kucha Planning Subcommittee 2016 & 2017
Chair for Pre-Conference Program 2017-present

2016-present *Ad Hoc* Reviewer, American Journal of Emergency Medicine (12x/year)

2017 Council of Residency Directors (CORD) 2017 Academic Assembly Abstract Reviewer

2018 CORD 2017 Academic Assembly Advances in Education Research and Innovations Forum: Moderator, Wine & Cheese Poster Session

2018-present Member, SAEM Research Committee

2018-present Member, AAEM Clinical Practice Committee

2018-present AAEM Scientific Assembly Young Physicians Section (YPS) Poster Competition Chair

2018-present	AAEM Scientific Assembly Track Moderator
2018-present	SAEM Annual Meeting: Oral Abstract Moderator
2018-present	Member, CORD Research & Scholarly Productivity Committee
2018-present	ACEP Research Section: Alternate Councilor
2019-present	<i>Ad Hoc</i> Reviewer, JAMA Open Network (1x/year)
2019-present	<i>Ad Hoc</i> Reviewer, BMJ Case Reports (2x/year)
2019-present	<i>Ad Hoc</i> Reviewer, Annals of Internal Medicine (1x/year)

Local Service

2011-2012	Member, Florida College of Emergency Physicians Academic Affairs Committee
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Teaching Service

Undergraduate Student Teaching

2018	Mentor, Summer Research 2 undergraduates, daily contact during summer
2019	Mentor, Summer Research 2 undergraduates, daily contact during summer

Medical Student Teaching

2008-2009	Faculty preceptor for First Year Medical School Class: Essentials of Clinical Medicine I at SUNY- Downstate
2012-2015	Faculty preceptor for Introduction to Clinical Medicine for Second Year Medical Students (ICM-II); University of Maryland School of Medicine
2014-present	Faculty Mentor for Foundations in Research and Critical Thinking
2014-present	Faculty Small Group Leader for MS2 Cardiology Sessions
2016	Judge, 39 th Medical Student Research Day, September 14, 2016, University of Maryland School of Medicine
2017	Judge, 40 th Medical Student Research Day, September 28, 2017, University of Maryland School of Medicine
2017-present	Mentor: Student Ambassador Program at AAEM Scientific Assembly

Resident Teaching

2010-2012	Faculty facilitator for Resident Journal Club- USF EM Residency Program
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2011-2012	Faculty facilitator for Evidence-Based Medicine/Critically Appraised Topic Lectures for USF EM Residency Program
2013-present	University of Maryland Department of Emergency Medicine Resident Grant Committee
2014-present	Faculty facilitator, University of Maryland Emergency Medicine Residency Journal Club
2015	Panelist, 14 th Annual Resident Research Forum June 10, 2015, University of Maryland Emergency Medicine Residency
2016-present	Assistant Residency Program Director for Emergency Medicine
2017	Faculty: Masters in Emergency Medicine; GlenEagles Hospital, Kolkata, India

Post-Graduate Teaching

2012	Faculty: Emergency Medicine Practices and Advance Clinical Therapeutics (EMPACT) Course, All India Institute of Medical Sciences (AIIMS), Delhi, India
2017-present	Faculty for Post-Doctorate Research 1 post-graduate per year (2 total) - >200 contact hours per year

Grant Support

Active Grants

2018-present	ACEP/Pfizer Independent Grants for Learning & Change (IGLC) Project: Sickle Cell Disease Patient Navigation Program Role: Project Lead Funding: \$49,991
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Active Contracts

2017-present	RESET: An Open-Label Extension Study To Evaluate The Safety Of Rivipansel (GMI-1070) In the Treatment of One or More Vaso-Occlusive Crises In Hospitalized Subjects With Sickle Cell Disease Role: Site Principal Investigator Sponsor: Pfizer Contracted Budget: \$250,000
2019-present	COMPARE-VOE: A Comparison of Individualized vs. Weight Based Protocols to Treat Vaso-Occlusive Episodes in Sickle Cell Disease Role: Site Principal Investigator, Member Steering Committee Study PIs: Paula Tanabe, Ph.D, CCC PI and Huiman Barnhart, Ph.D., DCC PI

Funding by NHLBI Grant 1U24HL137907-01A1
 Sub-award budget: Approx. \$115,000 through 2022 (Amount based on enrollment)

2019-present (Site-PI) PI: R. Wilkerson
 The Vitamin C, Thiamine And Steroids in Sepsis (VICTAS) Study
 Subaward of Grant Agreement #2393 The Marcus Foundation
 Based on patient enrollment, estimated at ~\$90,000

2019-present (Site-PI) PI: R. Wilkerson
 A Phase 3 Randomized, Double-blind, Placebo-controlled, Multicenter Study to Evaluate the Efficacy and Safety of Pimodivir in Combination With the Standard-of-care Treatment in Adolescent, Adult, and Elderly Hospitalized Patients With Influenza A Infection
 Funding Source: Janssen
 Contracted Budget: \$75,970 Based on patient enrollment

2019-present (Site-PI) PI: R. Wilkerson
 A Phase 3 Randomized, Double-blind, Placebo-controlled, Multicenter Study to Evaluate the Efficacy and Safety of Pimodivir in Combination With the Standard-of-care Treatment in Adolescent, Adult, and Elderly Non-Hospitalized Patients With Influenza A Infection
 Funding Source: Janssen
 Contracted Budget: \$107,585 Based on patient enrollment

2019-present (Site-PI) PI: R. Wilkerson
 Use of Methylene Blue in Acquired Methemoglobinemia: Prospective Observational Registry (metHb)
 Funding Source: Hospital Quality Foundation
 Contracted Budget: \$42,000 Based on patient enrollment

Completed Grants

2015 UMSOM Department of Emergency Medicine Grant
 Project: The Accuracy of ED-Physician Performed Ultrasound to Identify Vascular Structures at the Three Sites Traditionally Used for Paracentesis
 Role: Principle Investigator
 Funding: \$3170

2016 Maryland Industrial Partnerships (MIPS) Grant
 Project: Evaluation of a Novel Gastrostomy Procedural Method
 Role: Principle Investigator
 Funding: \$90,000

2016 UMSOM Department of Emergency Medicine Grant
 Project: Evaluation of Loop Drainage Technique versus Standard
 Incision and Drainage for Treatment of Simple Soft Tissue
 Abscesses
 Role: Principle Investigator
 Funding: \$10,000

2016 UMSOM Department of Emergency Medicine Grant
 Project: Comparative Usability Study of Naloxone Autoinjector
 versus Improvised Intranasal Delivery System in an At-Risk
 Population
 Role: Principle Investigator
 Funding: \$10,000

2017 Maryland Industrial Partnerships (MIPS) Grant
 Project: Evaluation of a Novel Gastrostomy Procedural Method
 Role: Principle Investigator
 Funding: \$100,000

Completed Contracts

2011-2012 EZ-NG: Evaluation of a new device, EZ-NG™, for rapid bedside
 verification of placement of nasogastric tubes in the Emergency
 Department & ICU
 Role: Principal Investigator
 Sponsor: EZ-NG
 Contracted Budget: \$18,000

2011-2012 AST-111: (Sapphire) Evaluation of Novel Biomarkers from Acutely Ill
 Patients at Risk for Acute Kidney Injury
 Role: Site Principal Investigator
 Sponsor: Astute Medical Inc.
 Study Principal Investigator: John Kellum, MD
 Contracted Budget: \$90,000

2011-2012 ACE React: Evaluation of Ecallantide for the Acute Treatment of
 ACE Inhibitor Induced Angioedema
 Role: Co-Investigator
 Sponsor: Dyax Corp.
 Contracted Budget: \$154,000

2014-2015 CAMEO: ACE-I-Induced Angioedema Study Measuring Efficacy of
 Icatibant
 Role: Site Principal Investigator
 Sponsor: Shire Orphan Therapies, Inc

2014-2016	<p>Study Principle Investigator: Alan Kimura, MD, PhD Projected Budget: \$22,000 RELAX2: A multicenter, randomized, double-blind, placebo-controlled phase III study to evaluate the efficacy, safety and tolerability of Serelaxin when added to standard therapy in acute heart failure patients Role: Site Sub-Investigator (PI: S. Gottlieb) Sponsor: Novartis</p>
2014-2017	<p>Study Principal Investigator: Marco Metra and John Teerlink ProACT: Procalcitonin Antibiotic Consensus Trial Role: Site Principal Investigator Sponsor: NIGMS, BioMerieux, Thermo Fisher Study Principal Investigator: David T. Huang, MD, Contracted Budget: \$60,000</p>
2015-2017	<p>Randomized, Placebo-Controlled, Phase 3 Trial of RHB-102 (Ondansetron 24 mg Bimodal Release Tablets) for vomiting due to Presumed Acute Gastroenteritis or Gastritis Role: Site Principal Investigator Sponsor: Redhill BioPharma, LTD</p>
2016	<p>Study Principle Investigator: Terry Plasse, MD Contracted Budget: \$66,000 MERCURY- PE: Multicenter trial of Rivaroxaban for early discharge of pulmonary embolism from the Emergency Department Role: Site Principal Investigator Sponsor: Janssen</p>
2016-2018	<p>ESETT: Established Status Epilepticus Treatment Trial: A multicenter, randomized, blinded, comparative effectiveness study of fosphenytoin, valproic acid, or levetiracetam in the ED treatment of patients with benzodiazepine-refractory status epilepticus. Role: Site Sub-Investigator (Site PI: J. Hopp) Sponsor: National Institute of Neurological Disorders and Stroke</p>
2017 - 2018	<p>ML-3441-306: A Phase 3, Multicenter, Randomized, Double-Blind, Comparator-Controlled Study to Evaluate the Safety and Efficacy of Intravenous to Oral Delafloxacin in Adult Subjects with Community-Acquired Bacterial Pneumonia Role: Site Principal Investigator Sponsor: Melinta Contracted Budget: \$150,000</p>

2017 - 2018	<p>SGSC-005: A Phase 2 Study of the Safety and Effectiveness of SANGUINATE in the Treatment of Vaso-occlusive Crises in the Ambulatory Setting: A Placebo-Controlled, Single-Dose, Single-Blind Study in Adults with Sickle Cell Disease</p> <p>Role: Site Principal Investigator</p> <p>Sponsor: Prolong Pharmaceuticals, LLC</p> <p>Contracted Budget: \$57,406</p>
2017 - 2019	<p>RESET: A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study To Evaluate The Efficacy And Safety Of Rivipansel (GMI- 1070) In The Treatment Of Vaso-Occlusive Crisis In Hospitalized Subjects With Sickle Cell Disease</p> <p>Role: Site Principal Investigator</p> <p>Sponsor: Pfizer</p> <p>Contracted Budget: \$342,000</p>
2017 – 2019	<p>STOP-CP: High-Sensitivity Cardiac Troponin T To Optimize Chest Pain Risk Stratification</p> <p>Role: Site Principal Investigator, Member Steering Committee</p> <p>Sponsor: Roche</p> <p>Study Principle Investigator: Brandon R. Allen, MD & Simon A. Mahler, MD</p> <p>Contracted Budget: \$242,421</p>

Publications

Peer-Reviewed Journal Articles

1. **Wilkerson RG**, Sinert RH. The Use of Paracentesis in the Assessment of the Patient with Ascites. *Ann Emerg Med* 2009; 54:465-468 [peer-reviewed – summary of another article]
2. **Wilkerson RG**, Stone MB. Sensitivity of Bedside Ultrasound and Supine Anteroposterior Chest Radiographs for the Identification of Pneumothorax After Blunt Trauma. *Acad Emerg Med* 2010; 17:11-17 [peer-reviewed]
3. Kashani K, Al-Khafaji A, Ardiles T, ... , **Wilkerson R**, Zacharowski K and Kellum J. Discovery and validation of cell cycle arrest biomarkers in human acute kidney injury. *Crit Care. BioMed Central Ltd*; 2013 Feb 6;17(1):R25. [multicenter study – peer-reviewed]
4. Koo LW, Layson-Wolf C, Brandt N, Hammersla M, Idzik S, Rocafort T, Tran D, **Wilkerson RG**, and Windermuth B. Qualitative Evaluation of a Standardized Patient Clinical Simulation for Nurse Practitioner and Pharmacy Students. *Nurse Ed Prac.* 2014; 14(6):740-746 [peer-reviewed]

5. Huang DT, Angus DC, Chang CCH, et al. Design and rationale of the Procalcitonin Antibiotic Consensus Trial (ProACT), a multicenter randomized trial of procalcitonin antibiotic guidance in lower respiratory tract infection. *BMC Emerg Med* 2017; 17(1):25 [collaborator – multicenter trial]
6. Ostermann M, McCullough PA, Forni LG, et al. Kinetics of Urinary Cell Cycle Arrest Markers for Acute Kidney Injury Following Exposure to Potential Renal Insults. *Crit Care Med*. 2018;46(3):375-383. [collaborator – multicenter investigation]
7. Huang DT, Yealy DM, Filbin MR, et al. Procalcitonin-Guided Use of Antibiotics for Lower Respiratory Tract Infection. *N Engl J Med*. 2018;379(3):236-249. [collaborator – ProACT Investigators]
8. **Wilkerson RG**, Pustavoitau A, Carolan H, et al. Percutaneous Ultrasound Gastrostomy: A Novel Device and Bedside Procedure for Gastrostomy Tube Insertion Using Magnetic and Ultrasound Guidance. *J Med Dev*. 2019;13(2):024501 [peer reviewed]
9. **Wilkerson RG**, Nappe TM. Methemoglobinemia. 2019 Jan 13. Statpearls [Internet]. Treasure Island (FL): Statpearls Publishing; 2018 Jan-. Available From [Http://www.Ncbi.Nlm.Nih.Gov/Books/Nbk537317/](http://www.ncbi.nlm.nih.gov/books/Nbk537317/) Pubmed PMID: 30726002.

Clinics Articles

1. **Wilkerson RG**, Kim HK, Windsor TA, Mareiniss DP. The Opioid Epidemic in the United States. *Emerg Med Clin North Am*. 2016; 34(2):e1-e23 [indexed in PubMed]
2. Ham J, Ordonez E, **Wilkerson RG**. Care of Acute Gastrointestinal Conditions in the Observation Unit. *Emerg Med Clin North Am*. 2017; 35(3):571-587 [indexed in PubMed]
3. **Wilkerson RG** and Ogunbodede AC. Hypertensive Disorders of Pregnancy. *Emerg Med Clin North Am*. 2019;37(2):301-316. [indexed in PubMed]

Case Reports [all 3 are listed in PubMed]

1. **Wilkerson RG**. Getting the Blues at a Rock Concert: A Case of Severe Methaemoglobinaemia. *Emerg Med Austral* 2010; 22:466-469 [case report]
2. Adebayo O, **Wilkerson RG**. Angiotensin-converting enzyme inhibitor-induced angioedema worsened with fresh frozen plasma. *Am J Emerg Med*. 2017; 35(1):192.e1–192.e2 (ePub June 28, 2016) [case report]
3. Crouter AJ, Abraham MK, **Wilkerson RG**. Emphysematous Pyelonephritis in a Renal Allograft. *Am J Emerg Med* 2017; 35(3): 520.e1–520.e2 (ePub Sep 22, 2016) [case report]

Correspondence/Letters to the Editor [all 8 are listed in PubMed]

1. **Wilkerson RG**, Stone MB. Ultrasound Identification of Patella Fracture. *Wilderness Envir Med* 2009;20:92-93 [case report – letter to the editor]
2. **Wilkerson RG**. Association of Trichomonas Infection with Gonorrhoea or Chlamydia. *J Emerg Med* 2010; Jan 29. [Epub] [letter]
3. **Wilkerson RG**, Butler KH and Witting MD. Emergency Cricothyroidotomies for Trauma: further considerations. *Am J Emerg Med* 2013; 31:990-1 [letter]
4. **Wilkerson RG**, Hayes BD. Letter in response to “MDMA-induced angioedema treated with icatibant”. *Clin Tox* 2016; 54(3):293 [letter]
5. Adebayo O, **Wilkerson RG**. Response to: "Fresh-frozen plasma in ACE inhibitor induced angioedema- so close and yet so far". *Am J Emerg Med* 2017; 35(2):346-347 [letter]
6. Yu S, **Wilkerson RG**. Facebook: A Last Resort for Patient Contact. *Am J Emerg Med* 2017;35(9):1375-1376 (ePub March 18, 2017) [correspondence]
7. **Wilkerson RG**. Treatment of Acquired Angioedema. *Mayo Clin Proc* 2010; 85:101
8. **Wilkerson RG**, Martinelli AN, Oliver WD. Treatment of Angioedema Induced by Angiotensin-Converting Enzyme Inhibitor. *J Emerg Med*. May 2018. [letter]

CME Publications

1. **Wilkerson RG**. Angioedema In The Emergency Department: An Evidence-Based Review. *Emerg Med Pract*. 2012; 14(11):1–24. [indexed in PubMed]
2. **Wilkerson RG**, Lemon C. Blast Injuries. *Trauma Reports*. May 2016 [CME Publication] [not indexed in PubMed]
3. **Wilkerson RG**, Gatz JD, Liu ML. Advanced Management of Opioid Overdose in the Emergency Department. *EM Reports* 2018; 39(6):1-15 [not indexed in PubMed]

Professional Organization Newsletters

1. Manoach S, **Wilkerson RG**, Russo CM, Charchafli J. Case Report: A 12-Month-Old Girl With Partial Airway Obstruction Caused by an Esophageal Coin. *ASCCA (American Society of Crit. Care Anesthesiologists) Interchange* 2010; 21:13-14
2. Del Ninno T, Khoujah D, **Wilkerson RG**. Take Home Naloxone. *EM Resident*. June/July 2017
3. Lee R, **Wilkerson RG**. Contrast Induced nephropathy. *EM Resident*. Oct/Nov 2018

Front Matter

1. Baugh CW, **Wilkerson RG**. Preface: Observation medicine: Providing Safe and Cost-Effective Care Beyond the Emergency Department. *Emerg Med Clin North Am.* 2016; 34(2):xvii-xviii

Book Chapters

1. **Wilkerson RG**, Approach to the Patient with Ascites, In: AFEM Handbook of Acute and Emergency Care. Wallis LA and Reynolds TA, eds. Oxford University Press–Southern Africa. 2013
2. **Wilkerson RG**, Puncture Wounds, In: Avoiding Common Errors in Emergency Medicine. Mattu A, Chanmugam AS, Swadron SP, et al., eds. Lippincott, Williams and Wilkins. 2017

Web-Based Journal Articles

1. **Wilkerson RG**, Sinert R. Trichomoniasis. *eMedicine: Emergency Medicine*, 2006. <http://www.emedicine.com/emerg/topic613.htm>
Also, update in 2008, 2009, 2010 and 2011
2. **Wilkerson RG**, Sinert R. Periorbital Infections. *eMedicine: Emergency Medicine*, 2006. <http://www.emedicine.com/emerg/topic415.htm>
Also, update in 2008, 2009, 2010 and 2011
3. **Wilkerson RG**, Doty CI. Ménière's Disease. *eMedicine: Emergency Medicine*, 2008. <http://www.emedicine.com/emerg/topic308.htm>
Also, update in 2009, 2010
4. Stephens NB, **Wilkerson RG**. Relapsing Fever in Emergency Medicine. Medscape Reference. Updated December 19, 2013. Available at: <http://emedicine.medscape.com/article/787000-overview>.

Multimedia

1. **Wilkerson RG**, "Upper Extremity DVT", EMedHome
EMCast, http://www.emedhome.com/cme_emcast_list.cfm, March 2014
2. **Wilkerson RG**, "Anaphylaxis", EMedHome
EMCast, http://www.emedhome.com/cme_emcast_list.cfm, November 2014
3. **Wilkerson RG**, "The Inside Scoop in Icatibant", EM:RAP <https://www.emrap.org/>,
March 2016
4. **Wilkerson RG**, "Use of TXA in EM", EMedHome
EMCast, http://www.emedhome.com/cme_emcast_list.cfm, April 2016
5. **Wilkerson RG**, "Angioedema", ERCast <http://blog.ercast.org/>, May 2016
6. **Wilkerson RG**, "Sickle Cell Disease", EMedHome
EMCast, http://www.emedhome.com/cme_emcast_list.cfm, February 2017

7. **Wilkerson RG**, "The UMMC Experience: Take Home Naloxone", Maryland Hospital Association Webinar Series; July 2017
8. **Wilkerson RG**, "Initiation of Buprenorphine in the ED", EMedHome EMCast, http://www.emedhome.com/cme_emcast_list.cfm, November 2017
9. **Wilkerson RG**, "Angioedema", EMedHome EMCast, http://www.emedhome.com/cme_emcast_list.cfm, February 2018
10. **Wilkerson RG**, "Management of the Cirrhotic Patient", EMedHome EMCast, http://www.emedhome.com/cme_emcast_list.cfm, February 2018
11. **Wilkerson RG**, "Paradigm Shifts in Care of Patients with Sickle Cell Disease", Paradigm Shifts: the official podcast of the National Foundation of Emergency Medicine <https://nfoem.com/podcasts/>, 2019

Abstracts, Posters, & Oral Presentations

1. Amitai A, **Wilkerson RG**, Roblin P, Mittal R, Arquilla B. Disaster Preparedness: Training Outcomes for Hospital Staff. Poster Presentation New York ACEP Scientific Assembly 2007
2. **Wilkerson RG**. Corneal Abrasion. Photo Presentation San Francisco SAEM National Meeting 2006
3. Shetty S, Arquilla B, Weiner S, Soghoian S, **Wilkerson G**, and Roblin P. Disaster Training via Annual Workshops in India. Poster Presentation WADEM 16th World Congress on Disaster and Emergency Medicine 2009
4. Kenez EL and **Wilkerson RG**. Photo Presentation- A Curious Case of Abdominal Pain. AAEM 21st Annual Scientific Assembly March 2015, Austin, Texas.
5. Adams A, Roggio A and **Wilkerson RG**, Sonographic assessment of inadvertent vascular puncture risk during paracentesis using the traditional landmark approach. 19th Annual Mid-Atlantic SAEM Regional Meeting. Feb 28, 2015. Washington DC. (Oral presentation given by Ainsley Adams) SAEM National Meeting May 12-15, 2015 San Diego, CA (Oral presentation given by Anthony Roggio)
6. Adams, A, Roggio, A, & **Wilkerson, G**. (2015). 138. Sonographic Assessment Of Inadvertent Vascular Puncture Risk During Paracentesis Using The Traditional Landmark Approach. Academic Emergency Medicine, 22(S1), S67.
7. Adams A, Roggio A and **Wilkerson RG**, Sonographic assessment of inadvertent vascular puncture risk during paracentesis using the traditional landmark approach. Ann Emerg Med. 2015; 66(4S): S132-3 Presented at 2015 ACEP Scientific Assembly Research Forum in Boston, Massachusetts by Ainsley Adams
8. Parker BM, Euerle B and **Wilkerson RG**. Photo Presentation- Lip Abscess Mimicking Angioedema. Presented at AAEM 22nd Annual Scientific Assembly February 2016, Las Vegas, NV

9. Spangler R, Cotter B, del Ninno T and **Wilkerson RG**. Impact of a Choosing Wisely Based Educational Initiative in the Emergency Department. Abstract presented at 2016 ACEP Research Forum in Las Vegas, NV
10. Barstow L, Hines M, Logan J, **Wilkerson RG**, Callahan M, Gingold D, del Ninno T, Willis G. Early subcutaneous insulin glargine plus standard of care for treatment of diabetic ketoacidosis. Poster presentation at American Society of Health System Pharmacists (ASHP) Midyear Clinical Meeting, December 2016, Las Vegas, NV
11. del Ninno T, Zhang J, Romeo M, Chen J and **Wilkerson RG**. Comparative Usability Study of Naloxone Autoinjector versus Improvised Intranasal Delivery System in an At-Risk Population. Mediterranean Emergency Medicine Conference, September 2017, Lisbon, Portugal
 - a. *Selected as a Top 20 Outstanding Abstract
12. **Wilkerson RG**, Pustavoitau A, Carolan H, Goldwasser E, Benner N and Fischer C. Percutaneous Ultrasound Gastrostomy: Demonstrating Proof of Concept in a Human Cadaver Model. Society of Critical Care Medicine Critical Care Congress, February 2018, San Antonio, Texas.
13. Spitzer J, DiRocco D, Morton I, **Wilkerson RG**. Poster 2761 - Comparison of Residents' Attitudes and Knowledge About Opioid Use Disorder: A Cross-Sectional Study. American Psychiatric Association Annual Meeting, May 2018, New York, New York.
14. Tran K, del Ninno T, Baer MR, Law J, **Wilkerson RG**. Poster 57 - Effect of Guidelines for the Care of Patients with Sickle Cell Disease Vaso-occlusive Crisis. AAEM 24th Annual Scientific Assembly April 2018, San Diego, CA
15. del Ninno T, Martinez J, **Wilkerson RG**. Poster 125 - Unresponsive in an Alley: An ECG Diagnosis. AAEM 24th Annual Scientific Assembly April 2018, San Diego, CA
16. Yu S, Schroeder L, del Ninno T, **Wilkerson RG**. Comparison of Physician versus Nurse assessment of Clinical Opiate Withdrawal Scale (COWS) Evaluation Using Video Simulation. Oral Abstract Presentation at 2018 ACEP Research Forum October, 2018; San Diego, CA
17. DiRocco D, Morton I, Spitzer J, **Wilkerson RG**, Welsh C, Weintraub E. Comparison of Residents' Attitudes and Knowledge About Opioid Use Disorder: One Year Follow Up. American Academy of Addiction Psychiatry (AAAM) 29th Annual Meeting and Scientific Symposium December 2018; Bonita Springs, FL
18. Ali K, Bruns BR, Liu LS, **Wilkerson RG**. A Cross Sectional Analysis of Current Tranexamic Acid Use in US Trauma Centers. The London Trauma Conference. December 2018; London, UK
19. **Wilkerson RG**, Carolan H, Goldwasser E, Kent J, Keffer A, Tropello S. Percutaneous Tracheostomy Using Coaptative Ultrasound Methods and Systems.

Society of Critical Care Medicine (SCCM) 2019 Critical Care Congress. February 2019; San Diego, CA

20. Yu M, **Wilkerson RG**. A Retrospective Review of the Presentation, Management, and Outcomes of Peritonsillar Abscess Presenting to the Emergency Department. AAEM 25th Annual Scientific Assembly March 2019, Las Vegas, NV
21. Chiang C, del Ninno T, Sewaralthahab S, Garbus B, Baer M, Law M, **Wilkerson RG**. Analgesic Dosing for Sickle Cell Vaso-Occlusive Crises in the ED and its Effect on Rate of Admission. AAEM 25th Annual Scientific Assembly March 2019, Las Vegas, NV
22. Gatz DJ, Gingold D, **Wilkerson RG**. Association of Resident Shift Length with Procedural Performance. Accepted to ACEP 2019, Denver, CO

Major Invited Speeches

Local

1. **Wilkerson, R.G.**, "Angioedema", Kings County Hospital/SUNY-Downstate, Brooklyn, NY, October 2009
2. **Wilkerson, R.G.**, "Hemoglobinopathies", University of South Florida/Tampa General Hospital Emergency Medicine Grand Rounds, Tampa, FL, March 2011
3. **Wilkerson, R.G.**, "Rhabdomyolysis", University of South Florida/Tampa General Hospital Emergency Medicine Grand Rounds, Tampa, FL, June 2011
4. **Wilkerson, R.G.**, "Angioedema", University of South Florida/Tampa General Hospital Internal Medicine Morning Conference, Tampa, FL, November 2011
5. **Wilkerson, R.G.**, "Kawasaki Disease, Sarcoidosis, & Rheumatic Fever", University of South Florida/Tampa General Hospital Emergency Medicine Grand Rounds, Tampa, FL, February 2012
6. **Wilkerson, R.G.**, "Epistaxis, Cavernous Sinus Thrombosis, Rhinitis, & Sinusitis", University of South Florida/Tampa General Hospital Emergency Medicine Grand Rounds, Tampa, FL, April 2012
7. **Wilkerson, R.G.**, "Sickle Cell Disease", University of Maryland Emergency Medicine Residency Conference, Baltimore, MD, November 2012
8. **Wilkerson, R.G.**, "Adverse Drug Reactions: an introduction for radiation technologists", University of Maryland Medical Center Radiation Technologists Meeting, Baltimore, MD, April 2013
9. **Wilkerson, R.G.**, "Introduction to ECGs", University of Maryland Medical Center Nurse Practitioners, Baltimore, MD, May 2013
10. **Wilkerson, R.G.**, "Angioedema- There Is More", Grand Rounds, Department of Anesthesia, Mercy Medical Center, Baltimore, MD, October 2013

11. **Wilkerson, R.G.**, "Introduction to ECGs - II", University of Maryland Medical Center Nurse Practitioners, Baltimore, MD, November 2013
12. **Wilkerson, R.G.**, "Approach to Anaphylaxis", University of Maryland Emergency Medicine Residency Intern Orientation, Baltimore, MD, July 2014
13. **Wilkerson, R.G.**, "Anaphylaxis & Angioedema", University of Maryland Midtown Campus Internal Medicine Residency Grand Rounds, Baltimore, MD, August 2014
14. **Wilkerson, R.G.**, "Introduction to ECGs", University of Maryland Emergency Medicine Medical Student Rotation Conference, Baltimore, MD, September 2014
15. **Wilkerson, R.G.**, "Don't Let Your CBRNE Event Become a Disaster", Grand Rounds, Department of Anesthesia, Mercy Medical Center, Baltimore, MD, January 2015
16. **Wilkerson, R.G.**, "Approach to Anaphylaxis", University of Maryland Emergency Medicine Residency Intern Orientation, Baltimore, MD, July 2015
17. **Wilkerson, R.G.**, "Introduction to ECGs" – a 2.5 hour course, University of Maryland School of Nursing – Adult-Gerontology Primary Care Nurse Practitioner Program; Baltimore, MD, March 2016
18. **Wilkerson, R.G.**, "Approach to Anaphylaxis", University of Maryland Emergency Medicine Residency Intern Orientation, Baltimore, MD, July 2016
19. **Wilkerson, R.G.**, "Introduction to ECGs" – a 2.5 hour course, University of Maryland School of Nursing – Adult-Gerontology Primary Care Nurse Practitioner Program; Baltimore, MD, March 2017
20. **Wilkerson, R.G.**, "Take Home Naloxone" Howard County Hospital Department of Emergency Medicine, July 2017
21. **Wilkerson, R.G.**, "I Can Narcan", Intern Bootcamp: University of Maryland School of Medicine, Baltimore, MD, May 2018
22. **Wilkerson, R.G.**, "The Emergency Department: On the Front Lines of the Opioid Epidemic", Baltimore County Department of Health "Prescribing Drugs Responsibly" Conference, Baltimore, MD, May 2018
23. **Wilkerson, R.G.**, "Red Blood Cell Disorders", University of Maryland Emergency Medicine Residency Conference, Baltimore, MD, November 2018
24. **Wilkerson, R.G.**, "Responding to the Opioid Epidemic", Mercy Medical Center Grand Rounds for Surgery, Anesthesia & Ob-Gyn, Baltimore, MD, January 2019

State/Regional

25. **Wilkerson, R.G.**, "Explosive Disasters", Kings County Hospital / SUNY Downstate Emergency Medicine Residency Conference, Brooklyn, NY, July 2013

26. **Wilkerson, R.G.**, "Anaphylaxis: Don't Let It Take Your Breath Away", Greater Chesapeake Emergency Medicine Combined Conference, Baltimore, MD, September 2013
27. **Wilkerson, R.G.**, "Explosive Disasters", Kings County Hospital / SUNY Downstate Emergency Medicine Residency Conference, Brooklyn, NY, July 2014
28. **Wilkerson, R.G.**, "Let's Have A Blast: Intro to Explosive Disasters", Kings County Hospital / SUNY Downstate Emergency Medicine Residency Conference, Brooklyn, NY, July 2014
29. **Wilkerson, R.G.**, "Don't Let Your CBRNE Event Become a Disaster", Bellevue Hospital Department of Emergency Medicine Grand Rounds, New York, NY, May 2015
30. **Wilkerson, R.G.**, "Let's Have A Blast: Intro to Explosive Disasters", Bellevue Hospital Department of Emergency Medicine Grand Rounds, New York, NY, May 2015
31. **Wilkerson, R.G.**, "Explosive Disasters- Let's Have A Blast!", UMBC Paramedic Refresher Course; Baltimore, MD, February 2016
32. **Wilkerson, R.G.**, "Sickle Cell Disease: Primum non nocere", Grand Round Lecture at Christiana Care Emergency Medicine Residency, Newark, DE, June 2017
33. **Wilkerson, R.G.**, "Anaphylaxis- Don't Let It Take Your Breath Away", University Medical Center Hospital Grand Rounds, Washington, DC, November 2017
34. **Wilkerson, R.G.**, "Angioedema- Don't Let It Take Your Breath Away", University of Florida- Jacksonville Emergency Medicine Grand Rounds, Jacksonville, FL, November 2017
35. **Wilkerson, R.G.**, "Blood Products in the ED", Virginia ACEP, The Homestead, VA, February 2019
36. **Wilkerson, R.G.**, "There Will Be Blood: Reversal of the Bleeding Patient on Anticoagulation", Virginia ACEP, The Homestead, VA, February 2019
37. **Wilkerson, R.G.**, "Responding to the Opioid Epidemic", Maryland Chapter of the American College of Surgeons Annual Meeting, Annapolis, MD March 2019

National

38. **Wilkerson, R.G.**, "Angioedema- Your Worst Airway Nightmare", Crashing Patient Conference, Baltimore, MD, October 2013
39. **Wilkerson, R.G.**, "Angioedema- Why do we keep treating it all the same?", 21st Annual American Academy of Emergency Medicine Scientific Assembly, Austin, TX, March 2015
40. **Wilkerson, R.G.**, "Rhabdo- Where is the evidence?", 21st Annual American Academy of Emergency Medicine Scientific Assembly, Austin, TX, March 2015

41. **Wilkerson, R.G.**, "Point-Counterpoint- We Should Treat Asymptomatic Hypertension from the ED", 22nd Annual AAEM Scientific Assembly; Las Vegas, NV, February 2016
42. **Wilkerson, R.G.**, "Angioedema- What Can We Do?", 22nd Annual AAEM Scientific Assembly; Las Vegas, NV, February 2016
43. **Wilkerson, R.G.**, "When the Patient is Me!", Crashing Patient Conference; Baltimore, MD, November 2016
44. **Wilkerson, R.G.**, "Stop the Bleed: Hemorrhage in DOAC Therapy", 23rd Annual AAEM Scientific Assembly, Orlando, FL, March 2017
45. **Wilkerson, R.G.**, "My Journey on the Gurney", 23rd Annual AAEM Scientific Assembly, Orlando, FL, March 2017
46. **Wilkerson, R.G.**, "Sickle Cell Disease- Primum non nocere", 24th Annual AAEM Scientific Assembly; San Diego, CA; April 2018
47. **Wilkerson, R.G.**, "The Underestimated Cost of the Opioid Crisis", International City/County Management Association National Conference, Baltimore, MD September 2018
48. **Wilkerson, R.G.**, "There Will Be Blood: Reversal of the Bleeding Patient on a DOAC", 25th Annual AAEM Scientific Assembly; Las Vegas, NV; March 2019

International

49. **Wilkerson, R.G.**, "Chemical Warfare & Disaster Medicine", Kasturba Medical College, Mangalore, India, October 2008
50. **Wilkerson, R.G.**, "Radiation & Disaster Medicine", Kasturba Medical College, Mangalore, India, October 2008
51. **Wilkerson, R.G.**, "Emergency Sonography Saves Time & Saves Lives", INDUS-EM 2008: 4th Indo-US Emergency Medicine Summit, Mangalore, India, October 2008
52. **Wilkerson, R.G.**, "Hazard Vulnerability Analysis", PSG Hospital, Coimbatore, India, October 2009
53. **Wilkerson, R.G.**, "HVA & CBRNE", INDUS-EM 2009: 5th Indo-US Emergency Medicine Summit Coimbatore, India, October 2009
54. **Wilkerson, R.G.**, "FAST Exam", 3rd Emergency Sonography School, B J Medical College, Ahmedabad, India, November 2009
55. **Wilkerson, R.G.**, "Lung Sonography: An Introduction", 3rd Emergency Sonography School, B J Medical College, Ahmedabad, India, November 2009
56. **Wilkerson, R.G.**, "Non-Invasive Ventilation for the Emergency Physician", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
57. **Wilkerson, R.G.**, "Recognition of the Sick Patient", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017

58. **Wilkerson, R.G.**, "Use of Vasopressors in Sepsis", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
59. **Wilkerson, R.G.**, "Use of Lactate in Resuscitation", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
60. **Wilkerson, R.G.**, "Recognition and Management of Shock", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
61. **Wilkerson, R.G.**, "Management of Acute Decompensated Heart Failure", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
62. **Wilkerson, R.G.**, "The Lon Chaney Lecture", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
63. **Wilkerson, R.G.**, "Angioedema & Anaphylaxis", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
64. **Wilkerson, R.G.**, "Introduction to ECG Analysis", Apollo GlenEagles Hospital Masters in Emergency Medicine Program, Kolkata, India April 2017
65. **Wilkerson, R.G.**, "Angioedema: Preparing for a Potential Airway Disaster", Inter-American Emergency Medicine Conference, San Jose, Costa Rica May 2017
66. **Wilkerson, R.G.**, "Seeing Red: Massive Transfusion in Trauma", Inter-American Emergency Medicine Conference, San Jose, Costa Rica May 2017
67. **Wilkerson, R.G.**, "Sickle Cell Disease: Primum non Nocere", Mediterranean Emergency Medicine Conference (MEMC), Lisbon, Portugal September 2017
68. **Wilkerson, R.G.**, "Angioedema: The Science Behind Its Treatment", Mediterranean Emergency Medicine Conference (MEMC), Lisbon, Portugal September 2017