Curriculum Vitae

David T. Efron, MD

Professor of Surgery

Department of Surgery

University of Maryland School of Medicine

November 4, 2020

**Contact Information**

R Adams Cowley Shock Trauma Center

University of Maryland Medical Center

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**Education**

1986-1990 BA, Biology, Brown University, Providence, Rhode Island

1990-1994 MD, Brown University School of Medicine, Providence, Rhode Island

**Post Graduate Education and Training**

1994 – 1995 Intern, Surgery, Johns Hopkins Hospital, Baltimore, Maryland

1995 – 2002 Residency, Surgery, Johns Hopkins Hospital, Baltimore, Maryland

2002 – 2003 Assistant Chief of Service, Surgery, Johns Hopkins Hospital, Baltimore, Maryland, *(Specialty Training Program Cerificate for Advanced Gastrointestinal Surgery, Johns Hopkins University School of Medicine, Department of Surgery)*

2003 –2004 Fellowship, Surgical Critical Care, Johns Hopkins Hospital, Baltimore, Maryland

**Certifications**

2003 American Board of Surgery

2004 American Board of Surgery, Surgical Critical Care

**Medical License**

1997 Active Maryland

**Employment History**

Academic Appointments

2002 – 2003 Clinical Instructor, Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland

2004 – 2010 Assistant Professor, Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland

2005 - 2010 Assistant Professor of Surgery, Johns Hopkins UniversitySchool of Nursing, Baltimore, Maryland

2006 – 2010 Assistant Professor, Anesthesia and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland

2010 – present Associate Professor, Anesthesia and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland

2010 –2016 Associate Professor of Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland

2011 - present Associate Professor of Emergency Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland

2016 – present Professor of Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland

2019 – present Jacob C. Handelsman, MD Professor of Abdominal Surgery

2020 – present Professor of Surgery, Department of Surgery, University of Maryland School of Medicine

Other Employment

2002 – 2003 Assistant Chief of Service, Surgery, Johns Hopkins Hospital, Baltimore, Maryland

2004 – 2020 Surgical Intensivist, Surgery, Johns Hopkins Hospital, Baltimore, Maryland

2005 – 2011 Medical Director, Parenteral and Enteral Nutrition Support Services, Johns Hopkins Hospital, Baltimore, Maryland

2008 – 2018 Director, Adult Trauma Services, Johns Hopkins Hospital, Baltimore, Maryland

2008 – 2016 Chief, Division of Acute Care Surgery, Johns Hopkins Hospital, Baltimore, Maryland

2008 - 2020 Director of Adult Trauma Services, Johns Hopkins Hospital, Baltimore, Maryland

2008 – 2020 Chief, Division of Acute Care Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland

2015 – 2020 Medical Director for Capacity Management / Johns Hopkins Hospital Capacity Command Center, Johns Hopkins Hospital

2016 – 2020 Chief, Division of Acute Care Surgery, Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center, Baltimore, Maryland

2018 - 2020 Vice Chair for Acute Care Surgery and Clinical Care Integration, Department of Surgery, Johns Hopkins Medicine, Baltimore, Maryland

2020 – present Chief of Trauma and Medical Director of R Adams Cowley Shock Trauma Center, University of Maryland Medical Center

**Professional Society Memberships**

1991 Member, Sigma Xi, Brown University Chapter

1999-present Member, American College of Surgeons

2000-present Member, Society for Surgery of the Alimentary Tract

2002-present Member, Alpha Omega Alpha, Johns Hopkins University Chapter

2005-present Member, Surgical Infection Society

2005-present Member, Society of Critical Care Medicine

2005-present Member, Association for Academic Surgery

2005-2014 Member, Baltimore Academy of Surgery

2006-present Member, Eastern Association for the Surgery of Trauma

2007-present Member, Maryland Committee on Trauma, American College of Surgeon

2007-present Member, American Association for the Surgery of Trauma

2007-present Member, Surgical Discovery Club, American College of Surgeons

2008-present Member, Maryland Trauma Center Network

2008-present Member, American Trauma Society

2010-present Member, Society of University Surgeons

2012-present Member, Halsted Society

2014-present Member, Miller-Coulson Academy of Clinical Excellence, Johns Hopkins University School of Medicine

2016-present Member, Southern Surgical Association

2019-present Member, American Surgical Association

**Honors and Awards**

1994 Henry Randall Surgery Prize, Awarded to the outstanding medical student persuing a career in Surgery, Brown University School of Medicine

2000 George Zuidema Award for outstanding resident basic science research, Department of Surgery, Johns Hopkins University School of Medicine

2000 Upjohn Award Finalist, for outstanding clinical research by resident, Department of Surgery, Johns Hopkins University School of Medicine

2001 Outstanding 4th-year Resident Award; for performance of clinical duties, Department of Surgery, Johns Hopkins University School of Medicine

2002 Elected to Alpha Omega Alpha, Awarded as Chief Resident in Surgery, Johns Hopkins University Chapter

2002 Outstanding Chief Resident Award, for performance of clinical duties, Department of Surgery, Johns Hopkins University School of Medicine

2011 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2011 G. Melville Williams Hero Award, Department of Surgery, Johns Hopkins University School of Medicine

2013 G. Melville Williams Hero Award, Department of Surgery, Johns Hopkins University School of Medicine

2013 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2014 Inductee, Miller-Coulson Academy of Clinical Excellence, Johns Hopkins University School of Medicine

2014 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2015 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2016 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2017 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2017 Physician of the Year Clinical Excellence Award, Johns Hopkins Hospital

2018 Named a “Top Doctor” by Baltimore Magazine, Trauma category

2018 Named a “Top Doctor” by Baltimore Magazine, Emergency Surgery category

**Clinical Activities**

2004-2020 Attending Surgeon; Chief, Division of Acute Care Surgery; Acute Care Surgery

(Trauma, Surgical Critical Care, Emergency Surgery, Elective General Surgery)

2005-2010 Medical Director; Parenteral and Enteral Nutritional Support Service, Johns

Hopkins Hospital

2007-2020 Attending Surgeon, Johns Hopkins Hospital Difficult Airway Team (DART)

2008-2020 Attending Surgeon, Percutaneous Tracheostomy Service

2008-2018 Director of Adult Trauma Services; Level I Center, Johns Hopkins Hospital

2008-2020 Team member, Percutaneous Tracheostomy Service

2020-present Attending Surgeon, Acute Care Surgery, R Adams Cowley Shock Trauma Center,

 University of Maryland Medical Center

**Administrative Service**

Institution Service

1999-2000 Member, Institutional Animal Care and Use Committee, Sinai Hospital of

Baltimore

2003-2004 Fellow representative, Critical Care Committee

2004-2005 Member, Education Committee, Department of Surgery

2004-2008 Member, Trauma Performance Improvement Committee

2005-2006 Member, Institutional Task Force on Central Line Services, Johns Hopkins Hospital Leader, “Ideal Practice Model” Subcommittee

2005-2008 Member, Faculty Development and Retention Committee

2005-2008 Department of Surgery elected representative, Medical School Council (now

Faculty Senate)

2005-2011 Medical Director, Parenteral and Enteral Nutrition Support Services

2005-2011 Project Co-Chair, Vascular Access Device Policy

Member, Institutional Task Force on Central Line Service, Johns Hopkins Hospital

Leader, Ideal Practice Model Sub-Committee

2005-2015 Medical Director, PICC service

2006-2008 Member, Surgical Services Physician Order Entry (POE) Implementation Team

2006-2015 Co-Chair, Vascular Access Device Oversight Committee, Johns Hopkins Hospital

2007-2008 Co-Chair, Faculty Development and Retention Committee

2007-2016 Project Co-leader with Anesthesia and ENT

2008-2018 Director of Adult Trauma Services, Johns Hopkins Hospital

2008-2020 Chief, Division of Acute Care Surgery; Johns Hopkins University School of

Medicine

2008-2020 Member, Department of Surgery Finance Committee

2008-2020 Co-Director, Clinical Problems in Trauma Series

2008-2020 Co-Chair, Trauma Performance Improvement Committee

2009 Co-Leader, Central line associated bloodstream infection prevention group

2009-2011 Member, Nutrition Advisory Committee, Johns Hopkins Hospital

2009-2020 Co-Chair, Trauma Performance Improvement Committee

2009-2012 Member, Johns Hopkins Hospital Joint Commission National Patient Safety Goals Implementation Initiative.

2010-2012 Member, Department of Surgery Institute for Healthcare Optimization (IHO), Operating Room Advisory Committee

2011 Project Co-Leader, Massive Transfusion Protocol, Johns Hopkins Hospital

2011-2012 Co-Leader, Workplace Violence Producing Adult and Pediatric Victims Who Need Treatment, Ad Hoc Committee

2011-2013 Member, Department of Orthopedic Surgery Director Search Committee (Appointed by the Dean), Johns Hopkins School of Medicine

2011-2015 Co-Chair, Operating Room Rules Committee

2012-2013 Member, Chief of Thoracic Surgery Search Committee, Department of Surgery, Johns Hopkins Hospital

2012-2015 “Doctor Preference Cards” (Surgical) Steering Committee, Johns Hopkins Hospital

2013-2015 Member, Special Credentials Review Committee (SCRC) of the Board of Directors, Johns Hopkins Medicine

2013-2015 Member, Johns Hopkins Hospital appointee, MCIC Perioperative Surgical Services Initiative

2013-2020 Member, Patient Flow Committee (now called Capacity Optimization Advisory Steering Committee), Johns Hopkins Hospital

2014 Departmental Liaison Member, Department of Surgery Director Search Committee (Appointed by the Dean), Johns Hopkins School of Medicine (Recused self when brother Jonathan Efron became a final selection interviewee)

2014-2016 Member, Peri-Operative EBOLA Task Force, Johns Hopkins Hospital.

2014-2020 Member, Advisory Committee for the Osler 8 Biocontainment Unit (BCU), Johns Hopkins Hospital

2015-2020 Medical Director for Capacity Management, The Johns Hopkins Hospital Capacity Command Center, Johns Hopkins Hospital

 Chair, Aligned Discharge Subcommittee

2016-2020 Co-Chair, Johns Hopkins Hospital Capacity Oversight Group

2017-2018 Member, search committee for the Director of Perioperative Services, Johns Hopkins Hospital

2017-2019 Member, Peer Messenger, Peer Professionalism Committee, Johns Hopkins Hospital

2018-2020 Member, Department of Surgery, Internal Promotions Committee

2018-2020 Member, Department of Surgery Executive Committee

2018-2020 Vice Chair for Acute Care Surgery and Clinical Care Integration, Department of Surgery, Johns Hopkins Medicine, Baltimore, Maryland

2020-present R Adams Cowley Shock Trauma Center:

Co-Director, Trauma Resuscitation Unit Committee

 Member, Shock Trauma Oversight Committee

 Member, Trauma OR Committee

 Member, Shock Trauma Medical Peer Review Committee

 Member, Program in Trauma Committee

 Member, Shock Trauma Quality Improvement Committee

 Member, Billing Committee

 Co-Director, Shock Trauma Outcomes Review Meeting

 University of Maryland Medical Center

 Member, Performance Improvement Steering Committee

 Member, Critical Care Operations Committee

 Member, Surgical Quality Safety Council

 Member, Claims Risk Management Committee

 Member, Patient Flow Steering Committee

 Member, 2-in-30 Patient Flow Campaign

 Lead, Surgery to PACU, 2-in-30 Patient Flow Campaign

 Member, Discharge to Home, 2-in-30 Patient Flow Campaign

2021-Present at Large Section Chief Director, R Adams Cowley Shock Trauma Center

**National and Local Service**

National

2004-2009 Reviewer, Practical Reviews in Critical Care Medicine, 12 per year

2005-present Reviewer, Archives of Surgery (now JAMA Surgery), 1-2 per year

2006-present Reviewer, Annals of Surgery, 1-2 per year

2006-present Reviewer, Journal of the American College of Surgeons, 1 per year

2007-present Reviewer, Journal Hospital Medicine, <1 per year

2007 Attendee, Surgeons as Leaders: From Operating Room to Boardroom, American College of Surgeons

2008-present Reviewer, Journal of Gastrointestinal Surgery, 1 per year

2008-present Reviewer, Journal of Surgical Research, 1 per year

2009-2015 Editorial Board Member, Journal of Gastrointestinal Surgery

2009-present Reviewer, Journal of Trauma (now Journal of Trauma and Acute Care Surgery), 1 per year

2010-present Member, Region III Committee, American College of Surgeon (COT)

2010-present Member, National Committee on Trauma (COT), American College of Surgeons

2012 Invited Participant, Symposium, American Association for the Surgery of Trauma, Acute Care Surgery Research Agenda

2012 Representative to Selection Committee, American College of Surgeons, Society of the Surgery of the Alimentary Tract Health Policy Scholarship Award

2012 Member, Selection Sub-Committee, Clowes American College of Surgeons, American Association for the Surgery of Trauma, National Institute of General Medical Sciences Career Development Award

2014-present Reviewer, Surgical Infections, <1 per year

2014 Moderator, Annals of Surgery Journal Club

2016 Associate Examiner, American Board of Surgery Certifying Oral Exam

2018, 2019 Examination Consultant, Trauma, Burns, Critical Care, American Board of Surgery

Local

2007-present Maryland Committee on Trauma (COT), Annual Trauma Conference (Trauma Care), Member, Organizing Committee

2008-present Member, Board of Directors, Maryland Chapter, American Trauma Society

2009-2010 Maryland Trauma Standard Committee, Maryland Institute for Emergency Medical Services System

2013-present Johns Hopkins Hospital Department of Surgery, Biennial Surgical Program Organizer (Co-Chair)

2014 Maryland Committee on Trauma (COT), 1st Annual Resident Day of Trauma & Acute Care Surgery, Member Organizing Committee

2014 Committee member, Johns Hopkins Hospital, Internal Review of Pediatric Burn Care at Johns Hopkins Hospital

2015 Participant, Inaugural class of the Economics of Clinical Operations Course, Johns Hopkins School of Medicine

2015-2016 Member, Adult Trauma Standards Workgroup, Maryland Institute for Emergency Medical Services Systems

2016 Participant, 2016 Cohort of the Technology Innovation Center Pre-Accelerator Program, Johns Hopkins University School of Medicine

2018 Participant, Johns Hopkins Anesthesiology Serving Leader Development Experience

2019 Organizer, Point Counterpoint XXXVIII: Resuscitation 2019, Baltimore, MD

**International Service**

2007-2008 Committee member, Teleflex Medical-Arrow, International Infection Protection Steering Committee

2012 Invited reviewer, Department of Surgery, National Guard - Health Affairs, King Abdulaziz Medical City, Riyadh, Saudi Arabia, Review of Emergency General Surgery Care and Recommendations for Creation of a Formal Acute Care Surgery Service

2014 Invited reviewer, Department of Surgery, Tawam Hospital, Al Ain, Abu Dhabi, United Arab Emirates, Review of the Tawam Hospital Trauma Services

2014 Al Rahba Hospital, Abu Dhabi, United Arab Emirates,Trauma Registry/Performance Improvement Workshop, Co-Organizer and Lecturer

2017 Management of Polytrauma: A Team Approach, Hospital Fundacion Santa Fe de Bogota, Bogota, Colombia

**Teaching Service**

Institutional

2002 –2003 Clinical Instructor, 50 weeks / year. Inpatient surgical service, Inpatient ward and consult service, Emergency Department, Trauma Rooms, outpatient clinic and operating room. Residents at all levels and medical students, Johns Hopkins Hospital.

2003 - 2009 Lecturer, Core Lecture Series for Surgery, “Appendicitis and Benign Diseases of the Colon,” given every quarter to medical clerkship students, Johns Hopkins University School of Medicine

2003 - 2009 Professorial Moderator, (given in place of Department Chair every 3 – 6 months), “Medical Student Surgical Clerkship Conference (Professor’s Hour), Johns Hopkins University School of Medicine

2003 – 2005 Lecturer, Nurse Practitioner Program Seminar Lectures, JHUSOM

2004 – 2009 Lecturer, Trauma Nurse Orientation Seminars, Johns Hopkins University School of Nursing

2004-2009 “Shock and the Complications of Trauma,” given yearly to Surgery and

 Emergency Medicine Nursing Staff

2004-present Attending physician, 8 weeks per year. Surgical Intensive Care units (SICU/WICU), In patient ICU setting. Surgery and Anesthesia residents as well as Surgical Critical Care fellows and Anesthesia Critical Care fellows, Johns Hopkins Hospital.

2004-present Lecturer, Core Lecture Series for Surgical Residents, Johns Hopkins University School of Medicine

2004-present Lectuer, Clinical Problems in Trauma Series, Johns Hopkins Hospital

2006–2009 Lab Instructor, Surgical Resident/Intern Educational Labs, JHUSOM

2007-2009 Lecturer, Surgical Physician Assistant’s Residency Core Lecture Series, JHUSOM

2008-present Co-Director (biweekly conference organizing 22 lectures per year), Clinical Problems in Trauma Series, Johns Hopkins Hospital

2011–2013 Lecturer, Surgical Medical Student Clerkship Lecture Series, Johns Hopkins Hospital

2012-2013 Project advisor, “Inferior Vena Cava (IVC) Shunt, Double-Balloon Catheter for Occlusion as a Surgical Tool” - Center for Bioengineering Innovation and Design, Johns Hopkins School of Medicine, Baltimore

2013 Lecturer, First Year Medical Student “Genes to Society” Curriculum Lecture, JHUSOM

2013-2014 Project advisor, “Pre-Hospital Control of Junctional Hemorrhage”- Center for Bioengineering Innovation and Design, Johns Hopkins School of Medicine, Baltimore

2018 2nd Annual Fundacion / Johns Hopkins Polytrauma course: From the Disaster Area to the Emergency Room, Hospital Fundacion Santa Fe De Bogota, Bogota, Colombia

2019 3rd Annual Fundacion / Johns Hopkins Polytrauma Course, Santa Fe De Bogota, Bogota, Colombia

Local

2007-present Instructor, Advanced Trauma Life Support, R Adams Cowley Shock Trauma Center/Johns Hopkins Hospital

2007-present Instructor, Advanced Trauma Operative Management, R Adams Cowley Shock Trauma Center/Johns Hopkins Hospital

2009-present Course Director, Advanced Trauma Life Support, R Adams Cowley Shock Trauma Center

2010-present Instructor, Advanced Surgical Skills for Exposure in Trauma, R Adams Cowley Shock Trauma Center

2011-present Instructor, Disaster Management and Emergency Preparedness, R Adams Cowley Shock Trauma Center

**Mentoring**

Advisees (Residents)

2005-2007 Joseph Fuentes, MD, Surgical Resident, Johns Hopkins Hospital; Current: Emergency Medicine Physician, Bell, California

2007-2008 Wesley Liao, MD, Surgical Intern, Johns Hopkins Hospital; Current: Attending Anesthesiologist, Valley Health System, Ridgewood, New Jersey

2008-2009 Lisa Witkin, MD, Surgical Intern, Johns Hopkins Hospital, Current: Instructor in Anesthesiology, Weill Cornell Medical College, New York

2008-2015 Babak Orandi, MD, Surgical Resident, Johns Hopkins Hospital

2010-2017 Isaac Howley, MD, Surgical Resident, Johns Hopkins Hospital (Assistant Professor of Surgery, Trauma/Surgical Critical Care, University of Tennessee Health Science Center)

2014-2018 Lisa Kodadek, MD, Surgery Resident, Johns Hopkins Hospital (Acute Care Surgery Fellow, Vanderbilt University)

2016-present Ryan Fransman, MD, Surgery Resident, Johns Hopkins Hospital (current)

2018-present Samantha Roche, MD, Surgery Resident, (current)

Advisees(Clinical Fellows)

2007-2009 Alicia Kieninger, MD, Surgical Critical Care Fellow, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Trauma Director, William Beaumont Hospital, Detroit MI

2009-2010 Nicholas Jaszczak, MD, Surgical Critical Care Fellow, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Captain, United States Army, Staff Surgeon, San Antonio TX

2009-2010 George Koenig, MD, Surgical Critical Care Fellow, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, Thomas Jefferson University School of Medicine, Philadelphia PA

2010-2011 Amy Rushing, MD, Acute Care Surgery Fellow, Johns Hopkins Hospital; current: Assistant Professor of Surgery, The Ohio State University, Columbus OH

2011-2012 Emily Rogers (Delmas), MD, Surgical Critical Care Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery and Associate Trauma Medical Director, Texas Tech University Health Sciences Center, El Paso TX

2011-2012 Jon Simmons, MD, Surgical Critical Care Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery and Associate Residency Director, University of South Alabama Health System, Mobile AL

2011-2013 Catherine Velopulos, MD, MPH, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, Division of Acute Care Surgery, Department of Surgery, University of Colorado, Denver, CO. Degrees: 2012-2013 Masters of Public Health from Johns Hopkins Bloomberg School of Public Health

2011-2013 Luis Garcia, MD, Surgical Critical Care Fellow, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, University of Iowa School of Medicine, Iowas City IA

2011-2013 Leigh Slater, MD, Surgical Critical Care Fellow, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Staff surgeon, Meritus Medical Center, Frederick MD

2012-2014 Marcie Feinman, MD, Surgical Critical Care Fellow, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Staff surgeon, Sinai Hospital of Baltimore, Acute Care and General Surgery

2013-2014 William Leeper, MD, Acute Care Surgery Fellow, Johns Hopkins Hospital; 2014-2015: Fellow, Program for Masters of Simulation Education, Johns Hopkins. Current: Assistant Professor of Surgery, University of Western Ontario, London, Ontario

2014-2015 Corey Vatsaas, MD, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, Duke University School of Medicine Durham, NC

2015-2016 Mario Rueda, MD, Acute Care Surgery Fellow, Johns Hopkins Hospital

2016-2017 Franz Yanagawa, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Staff Surgeon, St. Luke’s Hospital, Bethlehem, PA

2016-2017 Linda Dultz, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, University of Texas, Southwestern, Dallas, TX

2016-2017 Alistair Kent, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD

2017-2018 Selma Siddiqui, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Clinical Instructor, Johns Hopkins University School of Medicine, Baltimore, MD

2018-present Larry Lee, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor, University of South Alabama, Mobile, AL

2018-present Evan Wong, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, McGill University, Montreal, Canada

2018-present Rachel Choron, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Assistant Professor of Surgery, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

2018-present Jana Hambley, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Acute Care Surgery Fellow, Johns Hopkins University School of Medicine, Baltimore, MD

2019-present Peter Pak, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Acute Care Surgery Fellow, Johns Hopkins University School of Medicine, Baltimore, MD

2019-present Sameer Syed, Acute Care Surgery Fellow, Johns Hopkins Hospital; Current: Acute Care Surgery Fellow, Johns Hopkins University School of Medicine, Baltimore, MD

Thesis Committees

2008 Tiffany Frey, PhD program, Cellular and Molecular Medicine, Johns Hopkins University School of Medicine; Inhibition of the Cholesterol Biosynthetic Pathway Modulates the Innate Immune Response; Currently Assistant Professor of Biology, Dickinson University, Carlisle, PA; Committee member

2008 Eric Schneider, PhD, Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, “Statins, Cognition, Function and Health Outcomes in Older Individuals With and Without Acute Head Trauma, Currently Assistant Professor of Surgery, Department of Surgery, Johns Hopkins University School of Medicine, Baltimore; Thesis consultant

2009 Renay Tyler, CRNP, Doctorate of Nursing Practice, Johns Hopkins School of Nursing, “The Initiation of a Clinical Pathway for the Management of Home Parenteral Nutritional Support”; Assistant Director of Surgical Nursing, Johns Hopkins Hospital; Thesis committee member

2017 Julia Lerner, MA, Masters of Arts, Johns Hopkins University School of Medicine, Department of Art as Applied to Medicine, “Interactive Surgical Depiction for the Electronic Medical Record”

**Educational Program Building / Leadership**

2008-2016 Course Director; Trauma / Emergency Medicine M&M and Core Curriculum

 Since assuming the Directorship of Adult Trauma Services, in addition to Surgical Resident training, partnering with Linda Regan (Johns Hopkins Emergency Medicine Residency Program Director) I have implemented improved training of the Emergency Medicine residents in the care of the trauma patient. This has included a formalized rotation of both interns and senior level Emergency Medicine residents on the Acute Care Surgery service (with on-call responsibilities) and ensuring adequate access to procedures in this patient population. Additionally, we have designed and implemented a semi-quarterly combined Surgery / Emergency Medicine educational conference in trauma care focused at resident training. Directorship of course turned over to Christian Jones (ACS Division faculty member) in 2016

2008-2018 Co-Director; Clinical Problems in Trauma Series

 This is a bi-weekly conference consisting of lectures that are related to all aspects of trauma and emergency surgical care including direct patient care (thoracic trauma, orthopedic trauma, penetrating trauma, transfusion practices, etc.), prevention, and outcomes (including transplantation and rehabilitation). Lectures are geared towards all levels of experience from medical students to practicing attendings. Lecturers include a multidisciplinary group from different specialties of JHH faculty as well as visiting lecturers from outside the institution. I am responsible for helping to organize approximately 22 lectures per year. This is approved for CME credit by the Johns Hopkins University School of Medicine Office of CME.

2015-2017 Contributor, Advanced Trauma Life Support (ATLS) 10th Edition Revision

I was part of international multidisciplinary team of trauma and education experts with a goal to revise the entire curriculum (lectures, slides and structure) to modernize this program. It was the most extensive revision to date. ATLS has been taught to over 1 million providers and is currently taught in 80 countries around the world.

2018-present Co-Leader, Trauma Evaluation and Management (TEAM) Program to Medical Students Revision

 Following on the recent completion of the ATLS 10th Edition update, I am co-leading the revision of the TEAM course. TEAM is the primary trauma education tool of medical students promulgated by the American College of Surgeons Committee on Trauma, however it has also become a key educational tool for trauma education in low resource settings worldwide.

**Grant Support**

Completed Grants

7/1/97 – 6/30/00 (Research Fellow, 100%; PI – G Bulkley)

“GI Surgery/Basic Science Training Grant”

PA-92-5

NIH

Total Costs: $170,616

T32 Grant, basic science research over 3 years

7/1/05-6/30/06 (PI, 20%)

 “Mechanism for the Attenuation of the Septic Inflammatory Response Following HMG CoA Reductase Inhibition”

 Surgical Infection Society Foundation for Research and Education, Junior Faculty

 Total Costs: $40,000

1/31/05-1/31/06 (PI, 15%)

“Effect of HMG-CoA Reductase Inhibition in Sepsis”

Johns Hopkins Department of Surgery Research Pilot Project Grant

Total Costs: $20,000

7/1/17-7/1/18 (PI, 0%)

“DEPICTATION: An Interactive Surgical Depiction for the Electronic Medical Record”

Louis B. Thalheimer Fund for Translational Research

Total Costs: $100,000

**Patents, Inventions and Copyrights**

3/24/2016 Bernier W, Chang C, Black JH, Efron DT. *Inferior Vena Cava (IVC) Shunt, Double-Balloon Catheter for Occlusion as a Surgical Tool*, U.S. Patent # US2016/0081692A1.

**Publications**

Peer-reviewed journal articles

1. Barbul A, Lazarou SA, **Efron DT**, Wasserkrug HL, Efron G. Arginine enhances wound healing and lymphocyte immune responses in humans. *Surgery.* 1990; 108:331-336.
2. **Efron DT**, Kirk SJ, Regan MC, Wasserkrug HL, Barbul A. Nitric oxide generation from L-arginine is required for optimal human peripheral blood lymphocyte DNA synthesis. *Surgery.* 1991; 110:327-334.
3. Witte MB, Thornton FJ, Kiyama T, **Efron DT**, Schulz GS, Moldawer LL, Barbul A. Metalloproteinase inhibitors and wound healing: a novel enhancer of wound strength. *Surgery.* 1998; 124: 464-470.
4. Witte MB, **Efron DT**, Kiyama T, **Barbul A**. Wound fluid regulates nitric oxide expression in fibroblasts. *Surgical Forum.* 1998; 49:623-624.
5. Kiyama T, **Efron DT**, Tantry U, Barbul A. Effect of nutritional route on colonic anastomotic healing in the rat.  *J Gastrointest Surg*. 1999; 3:441-446.
6. Lee RH, **Efron DT**, Tantry U, Barbul A. Nitric oxide expression in the healing wound: A time course study. *Surgical Forum.* 1999; 50:636-638.
7. **Efron DT**, Thornton FJ, Steulten C, Tantry US, Witte MB, Kiyama T, Barbul A. Expression and function of inducible nitric oxide synthase during rat colon anastomotic healing. *J Gastrointest Surg.* 1999; 3:592-601.
8. Shi HP, **Efron DT**, Most D, Tantry US, Barbul A. Supplemental dietary arginine enhances wound healing in normal but not inducible nitric oxide synthase knockout mice. *Surgery.* 2000; 128:374-378.
9. Shi HP, **Efron DT**, Most D, Tantry US, Barbul A. L-arginine enhances diabetic wound healing. *Surgical Forum.* 2000; 51:613-614.
10. Witte MB, Thornton FJ, **Efron DT**, Barbul A. Enhancement of fibroblast collagen synthesis by nitric oxide. *Nitric Oxide*. 2000; 4:572-582.
11. Lee RH, **Efron DT**, Tantry U, Stuelten C, Moldawer LL, Abouhamze A, Barbul A. Inhibition of tumor necrosis factor-alpha attenuates wound breaking strength in rats. *Wound Repair Regen.* 2000; 8:547-553.
12. Kiyama T, Onda M, Tokunaga A, **Efron DT**, Barbul A. Effect of matrix metalloproteinase inhibition on colonic anastomotic healing in rats. *J Gastrointest Surg*. 2001; 5:303-311.
13. Kiyama T, **Efron DT**, Tantry U, Barbul A. Trauma and wound healing: Role of the route of nutritional support. *International Journal of Surgical Investigation.*2001;2:483-489.
14. Shi HP, Most D, **Efron DT**, Tantry U, Fischel MH, Barbul A. The role of iNOS in wound healing. *Surgery.* 2001; 130:225-229.
15. Most D, **Efron DT**, Shi HP, Tantry US, Barbul A. Differential cytokine expression in skin graft healing in inducible nitric oxide synthase knockout mice. *Plast Reconstr Surg.* 2001; 108:1251-1259.
16. Most D, **Efron DT**, Shi HP, Tantry US, Barbul A. Characterization of incisional wound healing in inducible nitric oxide synthase knockout mice versus normal controls. *Surgical Forum.* 2001; 52:542-544.
17. **Efron DT**, Most D, Shi HP, Tantry US, Barbul A. A novel method of studying wound healing. *J Surg Res*. 2001; 1:98:16-20.
18. Lee RH, **Efron D**, Tantry U, Barbul A. Nitric oxide in the healing wound: a time-course study. *J Surg Res.* 2001; 101:104-108.
19. Shi HP, Fishel RS, **Efron DT**, Williams JZ, Fishel MD, Barbul, A. Effect of Supplemental Ornithine on Wound Healing. *J Surg Res*. 2002; 106:299-302.
20. Most D, **Efron DT**, Shi HP, Tantry US, Barbul A. Characterization of incisional wound healing in inducible nitric oxide synthase knockout mice. *Surgery*. 2002; 132:866-876.
21. **Efron DT**, Most D, Shi HP, Tantry US, Barbul A. Modulation of Growth Factor and Cytokine Expression by Nitric Oxide During Rat Colon Anastomotic Healing. *J Gastrointest Surg*. 2003; 7:393-399.
22. Shi HP, Most D, **Efron DT**, Witte MB, Barbul A. Supplemental L-arginine enhances wound healing in diabetic rats. *Wound Repair Regen.* 2003; 11:198-203.
23. House MG, Guo M, **Efron DT**, Lillemoe KD, Cameron JL, Syphard JE, Hooker CM,Abraham SC, Montgomery EA, Herman JG, Brock MV. Tumor suppressor gene hypermethylation as a predictor of gastric stromal tumor behavior.*J Gastrointest Surg.* 2003; 7:1004-1014.
24. Montgomery E, Abraham SC, Fisher C, Deasel MR, Amr SS, Sheikh SS, House M, Lillemoe K, Choti M, Brock M, **Efron DT**, Zahuruk M, Chadburn A. CD44 loss in gastric stromal tumors as a prognostic marker.*Am J Surg Pathol*. 2004; 28:168-177.
25. **Efron DT**, Lillemoe KD, Cameron JL, Yeo CJ. Central pancreatectomy with pancreaticogastrostomy for benign pancreatic pathology. *J Gastrointest Surg*. 2004; 8:532-538.
26. Williams CG, Haut ER, Ouyang H, Riall TS, Makary M, **Efron DT**, Cornwell EE. Video-assisted thoracic surgery (VATS) removal of foreign bodies after penetrating chest trauma. *J Am Coll Surg*. 2006; 202:848-852.
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Non-peer reviewed journal articles

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2. **Efron DT. Ethnic Disparities in Initial Management of Trauma Patients in a Nationwide Sample of Emergency Department Visits - Invited Critique**. *Arch Surg.* 2008; 143:1061.
3. **Efron DT.** Review of *Current Therapy of Trauma and Surgical Critical Care*. In *Annals of Surgery*. April, 2009.
4. Pesce C, Galvagno SM Jr, **Efron DT**, Kieninger AA, Stevens K. Retained drains causing

 a bronchoperitoneal fistula: a case report. *J Med Case Reports*. 2011; 5:185.

1. **Efron DT.** The Role of the Subxyphoid Pericardial Window in excluding Occult Cardiac Injury after Penetrating Thoraco-abdominal Trauma - **Invited Critique. *Brit J of Surg*.** 2013; 100: 1458.
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Invited Publications

1. **Efron DT**, Barbul A. Modulation of inflammation and immunity by arginine supplements. *Curr Opin Clin Nutr Metab Care.* 1998; 1:531-538.
2. **Efron DT**, Barbul A. Arginine and nutrition in renal disease. *J Ren Nutr.* 1999; 9:142-144.
3. **Efron DT**, Most D, Barbul A. Role of nitric oxide in wound healing*. Curr Opin Clin Nutr Metab Care.* 2000; 3:197-204.
4. **Efron D**, Barbul A. Role of arginine in immunonutrition. *J Gastroenterol.* 2000; 35 (Suppl 12):20-23.
5. **Efron DT**, Bender JS. Laparoscopic surgery in older adults. *J Am Geriatr Soc*. 2001; 49:658-663.

Books

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2. Complications of Acute Care Surgery: The Management of Difficult Clinical Scenarios. Diaz JJ and **Efron DT** (eds). Springer International, Switzerland, 2017.

Book Chapters

1. **Efron DT**, Witte MB, Barbul A. Wound healing: physiology, clinical progress, growth factors and the secret of the fetus. In AE Baue, Faist E, Fry D (eds). Multiple Organ failure -- Pathophysiology, Prevention, and Therapy. Springer-Verlag, NY, 2000:553-561.

2. **Efron DT**, Most D, Barbul A. The management and organization of a surgical research laboratory. In WW Souba WW, Willmore DW (eds). Surgical Research. Academic Press, San Diego, 2001:1249-1259.

3. **Efron DT**, Barbul A. Wounds in infection and sepsis – role of growth factors and mediators. In RG Holzheimer, JA Mannick (eds). Surgical Treatment- Evidence-Based and Problem-Oriented. W Zuckschwerdt Verlag, Munich 2001;666-670.

4. **Efron DT**, Efron G, Barbul A. Adrenal Insufficiency. In Bland K (ed). The Practice of General Surgery, WB Saunders, Philadelphia, PA, 2001;137-143.

5. Lillemoe KD, **Efron DT**. Gastrointestinal stromal tumors. In Cameron JL (ed). Current Surgical Therapy, 7th Ed. Mosby, St. Louis, MO, 2001:112-117.

6. **Efron DT**, Fishel R, Barbul A. Endocrine changes with critical illness. In Cameron JL (ed). Current Surgical Therapy, 7th Ed, Mosby, St. Louis, MO, 2001: pp.1338-1344.

7. **Efron DT**, Barbul A. Subcutaneous sponge models. In: Burns-Harring AL, DiPietro LA (eds). Methods in Molecular Medicine: Wound Healing (Vol 78). Humana Press, Totowa, NJ, 2002;83-93.

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9. **Efron DT**. Critical Care. In Makary M (ed). General Surgery Review, Ladner-Drysdale, Washington DC, 2004;225-229.

10. Barbul A, **Efron DT**, Are C, Park JE, Ahuja V. Wound Healing. In Brunicardi CF, Andersen DK, Billiar TR, Dunn DL, Hunter JG, Pollock RE (eds). Schwartz’s Principles of Surgery, 8th Ed, McGraw-Hill, New York, 2005:223-248.

11. **Efron DT**, Lillemoe KD. The Current Management of Gastrointestinal Stromal Tumors. In Cameron JL, Evers BM, Fong Y, Herndon D, Langer B, Lillemoe KD, Mannick JA, Wong J (eds). Advances in Surgery, Vol 39, Elsevier Mosby, Philadelphia, PA, 2005:193-221.

12. **Efron DT**. Be Suspicious of a Large Persistent Air Leak in a Chest Tube. In Marcucci L, Martinez EA, Haut ER, Slonim AD, Suarez JI (eds). Avoiding Common ICU Errors, Lippincott Williams Wilkins, Philadelphia, PA, 2007:228-230.

13. Cornwell EE, **Efron DT**, Chang DC. Thoracic Trauma. Yuh DD, Vricella LA, Baumgartner WA (eds). In: The Johns Hopkins Manual of Cardiothoracic Surgery, McGraw-Hill, New York, NY, 2007: pp. 309-321.

14. Cornwell EE, **Efron DT**. Operative Management of Pancreatic Trauma. Fischer JE, Bland KI, eds. In Mastery of Surgery, 5th Ed, Lippincott Williams Wilkins, Baltimore, MD, 2007: 1318-1323.

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17. **Efron DT**, Cornwell EE. Management of Thoracic Trauma. Evans SRT (ed). Surgical Pitfalls: Prevention and Management, Saunders Elseiver, Philadelphia, PA, 2009: 773-778.

18. **Efron DT**, Cornwell EE. Management of Pancreatic and Duodenal Injuries. Evans SRT (ed). Surgical Pitfalls: Prevention and Management, Saunders Elseiver, Philadelphia, PA, 2009: 773-778.

19. Haut ER, **Efron DT**, Cornwell EE. “Liver” in Gracias VH, Reilly PM, McKenney MG, Velmahos G (eds). Emergency Surgery. McGraw-Hill Medical, New York, 2009:99-108.

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21. **Efron DT** (contributing author). Advanced Surgical Skills for Exposure in Trauma: Exposure Techniques When Time Matters. (ASSET course syllabus). American College of Surgeons, 2010.

22. Efron PA, **Efron DT**. Splenic Salvage Procedures: Therapeutic Options. In Cameron JL, Cameron AM (eds). Current Surgical Therapy, 10th Ed, Elsevier Saunders, Philadelphia, PA, 2011:486-490.

23. Jaszczak N, **Efron DT**. Liver Injury. In Cameron JL, Cameron AM (eds). Current Surgical Therapy, 10th Ed, Elsevier Saunders, Philadelphia, PA, 2011:pp. 937-943.

24. Protack CD, **Efron DT**. The Spleen and Lymph Nodes. In Darkdik A, Gaunt M (eds). Outpatient Surgery: Clinical Decision Making and Board Review. Radcliffe Publ Ltd. London, 2012:138-149.

25. Koenig GJ, **Efron DT**. Thoracic Trauma. In Yuh D, Varicella L, Yang S, Doty JR (eds). Johns Hopkins Textbook of Cardiothoracic Surgery, 2nd Ed. McGraw-Hill, New York, 2014: 9-24.

26. Feinman M, **Efron DT**. Abdominal Trauma: Not Everything that Bleeds Needs and Operation. In Latiffi R, Rhee P, Gruessner R (eds). Technological Advances in Surgery, Trauma and Critical Care. Springer, New York, 2015:109-118.

27. Barbul A, **Efron DT,** Kavalukas SL. Wound Healing. In Brunicardi CF, Andersen DK, Billiar TR, Dunn DL, Hunter JG, Matthews JB, Pollock RE (eds). Schwartz’s Principles of Surgery, 10th Ed, McGraw-Hill, New York, 2015: 241-272

28. Rushing A, **Efron DT**. Diagnostic Peritoneal Lavage in the Evaluation of Abdominal Trauma. In Asensio JA, Trunkey DD (eds). Current Therapy in Trauma and Critical Care, 2nd Ed. Elsevier Inc., Philadelphia, Pennsylvania, 2016: 323-325.

29. Rueda M, **Efron DT**. The Management of Liver Injuries. In Cameron JL, Cameron AM (eds). Current Surgical Therapy, 10th Ed, Elsevier Saunders, Philadelphia, PA, 2017: 1175-1181.

30. Black JH, **Efron DT**. Small Bowel: Aortoenteric Fistula. In Diaz JJ and **Efron DT** (eds). Complications of Acute Care Surgery: The Management of Difficult Clinical Scenarios. Springer International, Switzerland, 2017: 153-164.

31. Kent AJ, **Efron DT**. Surgical Emergencies of the Foregut. In Britt LD, Peitzman AB, Barie PS, Jurkovich GJ (eds). Acute Care Surgery, 2nd Ed, Wolters Kluwer, Baltimore, Maryland, 2019: 633-648.

**Major Invited Speeches**

1. Speaker, “Gram Negative Sepsis and the ICU,” Grand Rounds, Department of Urology, Johns Hopkins Hospital, Baltimore, MD, November 4, 2004
2. Speaker, “Selective Management of Penetrating Abdominal Trauma,” Department of Emergency Medicine, Johns Hopkins Hospital, Baltimore, MD, March 24, 2005
3. Speaker, “All Risk and No Glory . . . Central Line Safety at the Johns Hopkins Hospital”, Improving Patient Safety through Teamwork and Communication Seminar, Department of Anesthesia and Critical Care Medicine, Johns Hopkins Hospital, Baltimore, MD, July 9, 2005
4. Speaker, “Selective Management of Penetrating Abdominal Trauma”, Grand Rounds, Department of Surgery, Mayo Clinic, Scottsdale, AZ, October 31, 2005
5. Speaker, “Trauma Protocols in the Radiologic Work-Up of the Multiply Injured Patient,” Resident Core Lecture Series, Department of Radiology, Johns Hopkins Hospital, Baltimore, MD, January 31, 2006
6. Speaker, “Statins in Sepsis and Trauma”, Surgery Research Seminar Series, Department of Surgery, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA, March 1, 2006
7. Speaker, “The Current Management of Gastrointestinal Stromal Tumors”, Grand Rounds, Department of Surgery, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA, March 2, 2006
8. Speaker, “Current Topics in Thoracic Trauma,” King Edward Memorial Hospital, Bermuda via the Tele-health Programs for Johns Hopkins International, Baltimore, MD, June 5, 2006
9. Speaker, “The Current Management of Penetrating Abdominal Trauma,” 16th Annual Topics in Trauma Conference, Peninsula Regional Medical Center, Ocean City, MD, September 22, 2006
10. Moderator, Academic Surgical Congress (AAS/SUS), Trauma/Critical Care Session IX, Clinical II, Phoenix, AZ, January 9, 2007
11. Speaker, “Statins and Outcomes Following Major Traumatic Injury,” 7th World Congress on Trauma, Shock, Inflammation and Sepsis: Interdisciplinary Summit on Inflammation, Munich, Germany, March 15, 2007
12. Speaker, “Nutrition Support in Trauma and Critically Ill Patients,” First Forum of the Chinese Society of Parenteral and Enteral Nutrition (CSPEN), Beijing, China, May 19, 2007
13. Speaker, “The Parenteral and Enteral Nutrition Support Service at the Johns Hopkins Hospital: Lessons Learned.” First Forum of the Chinese Society of Parenteral and Enteral Nutrition (CSPEN), Beijing, China, May 19, 2007
14. Moderator, session title “Stump the Experts”- Trauma Care 2007 - A Team Approach - Maryland Committee on Trauma of American College of Surgeons, Baltimore, May 22, 2007
15. Speaker, “Statins in Sepsis and Trauma”, Grand Rounds, Department of Surgery, University of Florida School of Medicine, Gainesville, FL, May 30, 2007
16. Speaker, “Statins in Sepsis and Trauma”, Grand Rounds, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD, September 20, 2007
17. Moderator, Academic Surgical Congress (AAS/SUS), Trauma/Critical Care Session V: Clinical, Huntington Beach, CA, February 14, 2008
18. Speaker, “Statins in Sepsis and Trauma”, Grand Rounds, Department of Surgery, R. Adams Cowley Shock Trauma Center and the University of Maryland School of Medicine, Baltimore, MD, April 3, 2008
19. Lecturer, “Obesity in Trauma” - Trauma Care 2008 - Maryland Committee on Trauma of the American College of Surgeons, Baltimore, June 8, 2008
20. Lecturer, “Should neurosurgeons only place ICP monitors? (PRO position)”; “Perforated gastric ulcers, is wedge resection standard of care? (CON position)” - Point/Counterpoint XXVII; American College of Surgeons; Baltimore, Maryland, June 10, 2008
21. Discussant, paper title: “Pre-Injury Warfarin Worsens Outcome in Elderly Patients Who Fall from Standing.” 67th Annual meeting of the American Association for the Surgery of Trauma (AAST), Maui, HI, September 2008
22. Speaker, “Statins in Sepsis and Trauma.” Biology Club III, 94th Annual Clinical Congress of the American College of Surgeons, San Francisco, CA, October 12, 2008
23. Lecturer, “Selective Management of Penetrating Abdominal Trauma,” Critical Issues in Trauma, Suburban Hospital, Bethesda, Maryland, November 15, 2008
24. Discussant, paper title: “Pre-injury Statin Use is Associated with a Higher Risk of Multiple Organ Failure Following Injury: A Propensity Score Adjusted Analysis,” 22nd Annual Scientific Assembly of the Eastern Association of the Surgery of Trauma (EAST), Orlando, FL, January 2009
25. Moderator, Academic Surgical Congress (AAS/SUS), Trauma/Critical Care Session 6: Burns / Wound Healing, Ft. Myers, FL, February 4, 2009
26. Moderator, Academic Surgical Congress (AAS/SUS), Trauma/Critical Care Session 4: Wound Healing, Ft. Myers, FL, February 5, 2009
27. Lecturer, “Nutrition in Post-op Patients – How Soon?”; “Damage Control Laparotomy”; “Ventilatory Management of Flail Chest”; “Trauma Training: Experience in USA”; “Resuscitation of Fluid Type Trauma Patient”- 1St International Conf– Trauma Management, Critical Care and Prevention, Trauma Group UAE University Initiative - Tawam Hospital, Al Ain, United Arab Emirates, February 16-20, 2009
28. Moderator, session title “Not Your Everyday Trauma” - Trauma Care 2009: Are Trauma Systems Sustainable? Maryland Committee on Trauma of American College of Surgeons, Baltimore, April 30, 2009
29. Speaker, “First Responders and the Outcomes of Interpersonal Violence Injury: Could Less Be More?” Maryland Emergency Medical Services Symposium 2009, Annapolis, MD, May 17, 2009
30. Lecturer, “Acute Pancreatitis: Should CT scan be an integral component of the diagnostic work-up? (PRO position)”; “Practice guidelines and algorithms: are they being underutilized? (PRO position)”; “Blunt abdominal trauma and ‘seat belt sign’ in the patient with an unreliable physical examination: mandatory celiotomy is required. (PRO position)”- Point/Counterpoint XXVIII; American College of Surgeons; National Harbor, Maryland, June 8-10, 2009
31. Instructor, “Basic Trauma and Burn Support”; “Surgical Airway” - Fundamental Critical Care Support (FCCS) course, Society of Critical Care Medicine- 4th All Africa Anesthesia Congress, Nairobi, Kenya, September 11-16, 2009
32. Panel Discussant, “The Use of Steroids in the Management of ARDS,” 4th All Africa Anesthesia Congress, Nairobi, Kenya, September 16, 2009
33. Speaker, “Obesity in Trauma”, Winterfest EMS 2010, Tilghman Island, MD, January 30, 2010
34. Speaker, “Statins in Sepsis and Trauma,” Grand Rounds, Department of Surgery, Vanderbilt University School of Medicine, Nashville, TN, March 5, 2010
35. Lecturer, “Stopping the Shock Clock: Endpoints of Resuscitation” - Trauma Care 2010; Maryland Committee on Trauma of American College of Surgeons, Baltimore, April 1, 2010
36. Lecturer, “The Challenges in Caring for the Obese Trauma Patient” - Washington County Hospital Trauma Seminar, Washington County Hospital, Hagerstown, Maryland, April 7, 2010
37. Lecturer, “Necrotizing pancreatitis: bacterial culture analysis should precede operative debridement (PRO position)”; “Surgical Management of ischemic bowel: a ‘second look’ is mandatory (PRO position)”; “Pelvis fractures and the expanding retroperitoneal hematoma: a role for preperitoneal packing. (CON position)”; IVC filter placement: a call for more aggressive use (CON position)”- Point/Counterpoint XXIX- American College of Surgeons, National Harbor, Maryland, May 23-26, 2010
38. Keynote Speaker, “Resuscitation Fluid in Trauma: What Should You Use?” Swedish Surgical Week (Annual Meeting of the Swedish Surgical Society), Gottenburg, Sweden, August 24, 2010
39. Speaker, “Penetrating Thoracoabdominal Trauma: Current Management and Pitfalls.” Grand Rounds, Department of Surgery, St. Joseph Medical Center, Towson, MD, October 8, 2010
40. Speaker, “Statins in Trauma and Critical Care,” Grand Rounds, Methodist Hospital, Brooklyn, NY, February 8, 2011
41. Lecturer, “Statins in Sepsis and Trauma”; “Pancreatic and Duodenal Trauma”; “Abdominal Compartment Syndrome: The Pressure is On” -2St International Conf – Trauma Management, Critical Care and Prevention, Trauma Group UAE University Initiative, Tawam Hospital, Al Ain, United Arab Emirates, February 21-24, 2011
42. Panelist, “Experts on the Hotseat,” Concurrent Session B: Committee on Trauma, All Surgeons Day, Washington, SC Chapter of American College of Surgeons, Washington, DC, March 26, 2011
43. Moderator, Session II; Trauma Care 2011: Doing More with Less in Austere Environments- Maryland Committee on Trauma of American College of Surgeons, Baltimore, April 21, 2011
44. Discussant, paper title: “Initiation of Quality Improvement Measures Can lead to Decreasing Infectious Complications in Emergency Surgical Patients.” 31st Annual Meeting of Surgical Infection Society, Palm Beach, FL, May 14, 2011
45. Lecturer, “The acute surgical abdomen: preoperative diagnostic imaging is never essential (CON position)”; “Evisceration from a penetrating injury and the otherwise benign abdomen: should exploration be mandatory? (PRO position)”- Point/Counterpoint XXX; American College of Surgeons, National Harbor, MD, June 12-15, 2011
46. Speaker, “Obesity in Trauma.” 26th Annual Uniformed Services University Surgery for Trauma Day, Bethesda, MD, August 25, 2011
47. Speaker, “Statins and Trauma,” Scientific session, 85th Annual Meeting of Halsted Society, Baltimore, MD, September 8, 2011
48. Moderator, Poster session, 70th Annual Meeting, American Association for the Surgery of Trauma, Chicago, IL, September 14, 2011
49. Visiting Professor, Surgical Grand Rounds, “Statins in Sepsis and Trauma,” Department of Surgery, Hackensack University Medical Center, Hackensack, NJ, September 20, 2011
50. Speaker, “Obesity in Trauma” - 21st Annual Topics in Trauma Conference, Peninsula Regional Medical Center, Ocean City, Maryland, September 23, 2011
51. Discussant, paper title: “Contemporary Management of Renal Trauma: Differences between Urologists and Trauma Surgeons,” 70th Annual Meeting, American Association for the Surgery of Trauma, Chicago, IL, October 16, 2011
52. Speaker, “Pancreas Trauma: Head, Body” - Hepatobiliary-Pancreatic Disasters for the GI Surgeon, Post-Graduate Course; American College of Surgeons, San Francisco CA, October 23, 2011
53. Discussant, paper title: “uNGAL, a Novel Biomarker Predicts Acute Kidney Injury in Trauma and Burn Patients,” Surgical Forum of 97th Clinical Congress of American College of Surgeons, San Francisco, CA, October 25, 2011
54. Speaker, “The Multidisciplinary Management of Complex Hepatic Trauma”, 82nd Annual Meeting of Argentine Congress of Surgery, Buenos Aires, Argentina, November 17, 2011
55. Speaker, “Selective Management of Penetrating Abdominal Trauma”; “Pancreatic and Duodenal Injuries” - International Course, Session I, 82nd Annual Meeting of Argentine Congress of Surgery- Argentine Congress of Surgery, Buenos Aires, Argentina, November 17, 2011
56. Speaker, “Statins in Sepsis and Trauma”, ICU Grand Rounds, Department of Critical Care, National Guard - Health Affairs, King Abdulaziz Medical City, Riyadh, Saudi Arabia, April 8, 2012
57. Discussant, paper title: “Acute kidney injury is associated with early cytokine dysregulation after trauma,” 32nd Annual meeting of the Surgical Infection Society, Dallas, TX, April 20, 2012
58. Moderator, Session I - Trauma Care 2012: Humanity, Compassion, Hope, Maryland Committee on Trauma of American College of Surgeons, Baltimore, Maryland, April 24, 2012
59. Johns Hopkins Department of Surgery Visiting Fellow, Malaysian College of Surgeons, Kuantan / Pahang, Malaysia, May 26-June 5, 2012
60. Speaker, “Selective Management of Penetrating Abdominal Trauma,” Annual meeting of the Malaysian College of Surgeons, Kuantan, Malaysia, May 25, 2012
61. Speaker, “The Role of Statins in Sepsis and Trauma,” Annual meeting of the Malaysian College of Surgeons, Kuantan, Malaysia, May 26, 2012
62. Speaker, “Abdominal Compartment Syndrome,” Annual meeting of the Malaysian College of Surgeons, Kuantan, Malaysia, May 26, 2012
63. Lecturer, “Pancreatic necrosectomy for “sterile” necrotizing pancreatitis (CON position)”; “Autotransfusion in trauma management: overrated? (CON position)” - Point/Counterpoint XXXI, American College of Surgeons, National Harbor, Maryland, June 10-13, 2012
64. Discussant, paper title: “Interhospital transfer: an independent risk factor for mortality in the surgical intensive care unit,” Surgical Forum of 98th Clinical Congress of American College of Surgeons, Chicago IL, October 3, 2012
65. Speaker, “Coal Mine, Diamond Mine or Archeological Dig? A Clinical Surgeon’s View of Large Database Analysis,” Grand Round, Department of Surgery, Johns Hopkins Hospital, Baltimore, November 15, 2012
66. Speaker, “Acute Care Surgery - A New Name to an Old Practice: Why All the Fuss?” Hot Topic Session: Acute Care Surgery – Now That We’ve Built It, Will They Come, And Why Should They? Academic Surgical Congress (AAS/SUS), New Orleans, Louisiana (note: had to cancel 1 week prior due to family emergency, talk given by session organizer, Thomas Esposito, MD), February 5, 2013
67. Moderator, Integrated Oral Presentation Session: “Clinical Trials / Outcomes 4: Global Measures of Quality”, Academic Surgical Congress (AAS/SUS), New Orleans, Louisiana (note: had to cancel 1 week prior due to family emergency), February 7, 2013
68. Visiting Lecturer, “Regionalization and the Trauma Center: The Key to Modern Trauma Care,” Surgical Section of the Royal Academy of Medicine of Ireland, Dublin, Ireland, April 12, 2013
69. Moderator, Session I; Trauma Care 2013: All in a Day’s Work - Maryland Committee on Trauma of American College of Surgeons, Baltimore, April 18, 2013
70. Lecturer, “Laparoscopic appendectomy in the young, thin, male: Is it really more beneficial than the open approach? (CON position)”; “Retained hemothorax and video-assisted thoracoscopy in trauma: an underutilized intervention (CON position)” - Point/Counterpoint XXXII- American College of Surgeons, National Harbor, MD, June 2-5, 2013
71. Presenter, 72nd AAST Annual Meeting Lunch Session: Complicated Pancreatitis- American Association for the Surgery of Trauma, San Francisco CA, September 19, 2013
72. Speaker, “From the Scene to the SICU: Endpoints of Resuscitation in the Era of Damage Control,” White House Medical Office / White House Medical Unit, Washington, DC, October 24, 2013
73. Speaker, “An Arresting Story: Johns Hopkins and the Management of Sudden Cardiac Arrest,” Departments of Surgery and Anesthesia Combined Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, April 3, 2014
74. Visiting Professor / Grand Rounds, “From the Scene to the SICU: Endpoints of Resuscitation in the Era of Damage Control,” and “Pancreatic and Duodenal Trauma,” York Hospital / Wellspan Health, York, PA, April 4, 2014
75. Speaker, “Trauma and EMS Systems,” Evening Educational Broadcast for Maryland EMS, University of Maryland, Shock Trauma, Baltimore, MD, April 9, 2014
76. Moderator, Session III - Trauma Care 2014: From Field to Bedside – Advances in Care, Maryland Committee on Trauma of American College of Surgeons, Baltimore, April 10, 2014
77. Moderator (all sessions) - Surgical Infection Maintenance of Certification Course (Acute Care Surgery); Surgical Infection Society, Baltimore, May 1, 2014
78. Discussant, paper title: “Acute Kidney Injury (AKI) Causes Persistent Dysregulation of the Leukocyte Transcriptome.” 34stAnnual Meeting of the Surgical Infection Society, Baltimore, MD, May 3, 2014
79. Mancuso Family Lectureship in Humanism, “An Arresting Story: Small-timore, Johns Hopkins and the Management of Sudden Cardiac Arrest,” Department of Surgery, RA Cowley Shock Trauma Center and the University of Maryland Medical Center, Baltimore, MD, May 22, 2014
80. Lecturer, “In blunt abdominal trauma with solid organ injuries (especially splenic injuries), is there a role for nonoperative and selective management in the unevaluable abdomen? (CON position)”; “The future of general surgery: Is it still a viable specialty? (CON position)” - Point/Counterpoint XXXIII- American College of Surgeons, National Harbor, MD, June 1-4, 2014
81. Discussant, paper title: “A Prospective Evaluation of Surgical Resident Interpretations of CT Scans for Trauma,” 73rd Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress of Acute Care Surgery, Philadelphia, PA, September 12, 2014
82. Speaker, “First Responders and the Outcomes of Interpersonal Violence: Could Less Be More?” 4th Annual Trauma Symposium, JPS Health Network, Fort Worth, TX, October 24, 2014
83. Speaker, “Necrotizing Pancreatitis: Operative Management and Complications” - Emergency General Surgery Update, Post-graduate course, American College of Surgeons Clinical Congress, San Franscisco CA, October 16, 2014
84. Speaker, Grand Rounds, “An Arresting Story: Johns Hopkins and the Management of Sudden Cardiac Arrest,” The First Annual Reuven Elefant Lecture, Department of Surgery, Temple University School of Medicine, Philadelphia, PA, March 25, 2015
85. Speaker, “An Arresting Story: Johns Hopkins and the Management of Sudden Cardiac Arrest,” EMS Care 2015, Ocean City, MD, May 2, 2015
86. Visiting Professor / Grand Rounds “An Arresting Story: Johns Hopkins and the Management of Sudden Cardiac Arrest,” Department of Surgery, University of Missouri School of Medicine, Columbia, MO, May 20, 2015
87. Lecturer, “Liver trauma and persistent bleeding after applying the Pringle maneuver: Does this mandate further surgical hepatic exploration? (CON position)”; “‘Protective’ diverting ostomy after primary repair of colon injury: an unnecessary procedure? (CON position)” - Point/Counterpoint XXXIV- American College of Surgeons, Baltimore, MD, June 7-10, 2015
88. Speaker, “The Multidisciplinary Management of Complex Hepatic Trauma,” 77th Annual Surgical Update, the International College of Surgeons, Annapolis, MD, June 12, 2015
89. Lecturer, “Severe Acute, Necrotizing and Infected Pancreatitis: Optimal Treatment” - American College of Surgeons - Maintenance of Certification Session, 74th Annual Meeting of the American Association for the Surgery of Trauma, Las Vegas, NV, September 6, 2015
90. Speaker, “An Arresting Story: Johns Hopkins and the Management of Cardiac Arrest,” 89th Annual Meeting of the Halsted Society, Philadelphia, PA, September 18, 2015
91. Lecturer, “Development of a formal repository of practice guidelines in emergency general surgery: Unnecessary? (PRO position)”; “Acalculus cholecystitis and intraoperative evaluation for possible choledocholithiasis: Laparoscopic ultrasound is the preferred diagnostic modality (as opposed to intraoperative cholangiography) (CON position)”; “Fecal diversion is an integral component of the management for both intra- and extraperineal injuries” (CON position) - Point/Counterpoint XXXV- American College of Surgeons, Baltimore, MD, June 5-8, 2016
92. Invited Speaker, “Notes from Inside the Building…Active Shooter Event at the Johns Hopkins Hospital: September 16, 2010,” Lessons Learned: Healthcare Teams Respond to Crisis, Health Care Security Week, Duke University Medical Center, Durham, NC, October 10, 2016
93. Speaker, Grand Rounds, “The War on Hernias: Lessons from the Connective Tissue Front,” The Gershon Efron Lecture, Departments of Surgery, the Johns Hopkins University School of Medicine, and the Sinai Hospital of Baltimore, Baltimore, MD, December 1, 2016
94. Moderator, Surgery – Trauma and Emergency General Surgery General Session II, Point/Counterpoint XXXVI- American College of Surgeons, Baltimore, MD, May 11-12, 2017
95. Lecturer, “Family presence on ICU rounds is a good idea” (PRO position) - Point/Counterpoint XXXVI- American College of Surgeons, Baltimore, MD, May 11-12, 2017
96. Moderator, Poster Session, 76th Annual Meeting, American Association for the Surgery of Trauma, Baltimore, MD, September 13, 2017
97. Moderator, 76th AAST Annual Meeting Lunch Session: Fistula Rescue: Acute Care Surgery and Fistula in 2017- American Association for the Surgery of Trauma, Baltimore, MD, June 15, 2017
98. Invited Faculty, Management of Polytrauma: A Team Approach, Hospital Fundacion Santa Fe de Bogota, Bogota, Colombia, November 2-3, 2017
99. Speaker, “An Arresting Story: Johns Hopkins and the Management of Cardiac Arrest,” The Parker Lecture of Medical Grand Rounds, Department of Medicine, MedStar Good Samaritan Hospital, Baltimore MD, March 14, 2018
100. Panel Member, “Perspectives from NCR Trauma Center Leadership”, Walter Reed National Military Medical Center / Uniformed Services University Trauma Symposium 2018, Bethesda, MD, April 17, 2018
101. Speaker, Surgical Grand Rounds, “The War on Hernias: Lessons from the Connective Tissue Front,” University of Florida, Gainesville, FL, May 2, 2018
102. Visiting Professor, Resident Research Day, Keynote Lecture, “The War on Hernias: Lessons from the Connective Tissue Front,” Western University, London, Ontario, May 4, 2018
103. Lecturer, “Fresh Whole Blood Saves Lives” (PRO position) Moderator, Surgery – Trauma and Emergency General Surgery General Session II, Lecturer, “The Difficult Pancreas”, Damage Control Session, Point/Counterpoint XXXVII- American College of Surgeons, Baltimore, MD, June 11, 2018
104. Speaker, Surgical Grand Rounds, “Current Updates and Treatments of Pancreatic Necrosis and Acute Pancreatitis,” Prince Georges Hospital Center, Cheverly, MD, September 4, 2018
105. Co-Chair, “Annual Update on Emergency General Surgery,” Didactic / Experiential Course 01, American College of Surgeons Clinical Congress, Boston, MA, October 20, 2018
106. Invited lecturer, “Dealing with Gastric Obstructions”, Post-Graduate Course: “The Computerized Tomography (CT) Scan Reading Says: ‘Bowel Obstruction’: Must I Operate?”, American College of Surgeons, San Diego, CA, October 23, 2018
107. Co-Moderator, Post-Graduate Course: “Contemporary Management of Acute Pancreatitis”, American College of Surgeons Clinical Congress, San Diego, CA, October 23, 2018
108. Invited Faculty, 2nd Annual Fundacion / Johns Hopkins Polytrauma Course: From the Disaster Area to the Emergency Room, Hospital Fundacion Santa Fe De Bogota, Bogota, Colombia (Lectures: “Staging and Triage,” Vascular Injuries in the Extremities: Early Diagnosis and Treatment,” “Polytrauma in the Obese Patient,” “Resuscitative Thoracotomy.”, November 15-16, 2018
109. Invited Discussant, paper title “Cholecystectomy During the Third Trimester of Pregnancy: Proceed or Delay?” 130th Annual meeting of the Southern Surgical Association, West Palm Beach, FL, December 4, 2018
110. Speaker, Grand Rounds, “Hospital Capacity Management and Patient Throughput: A Surgeon’s Perspective,” Department of Surgery, the Johns Hopkins University School of Medicine, Baltimore, MD, January 3, 2019
111. Instructor, Emergency Surgery Course (European Society of Trauma and Emergency Surgery / American Association for the Surgery of Trauma), Baltimore, MD *(This was the inaugural course held in the United States)*, April 5-6, 2019
112. Moderator, “Session II” – Trauma, Panelist, “REBOA: From Field to Resuscitation Unit to Operating Room”, Speaker, “How I Fix It” Session – The Pancreas” Session, Lecturer, “The Difficult Pancreas”, Damage Control Session, Point/Counterpoint XXXVII- American College of Surgeons, Baltimore, MD, May 13-14, 2019
113. Visiting Professor and the 12th Annual John Paul Pryor Orator, “The War on Hernias: Lessons from the Connective Tissue Front,” and “An Arresting Story: Johns Hopkins and the Management of Cardiac Arrest,” University of Pennsylvania Division of Traumatology, Philadelphia, PA, July 25-26, 2019
114. Speaker, Grand Rounds, “The War on Hernias: Lessons from the Connective Tissue Front”, Department of Surgery, Walter Reed Medical Center, Bethesda, MD, November 4, 2020.