

Personal Information

Full Name: Stefan W. Leichtle, MD, FACS

Title: Assistant Professor of Surgery, Associate Program Director, Surgical Critical Care Fellowship, Assistant Medical Director, Surgical Intensive Care Unit

Business Name: Virginia Commonwealth University

Business Address: 1200 E Broad St., West Hospital, 15th Floor, East Wing, Richmond, VA 23298-0454

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Languages Spoken: English

German

Professional Summary

Primary Departmental Specialization Area/Field

Acute Care Surgery

Areas of Expertise and Interest

Trauma Surgery

Surgical Critical Care

Emergency General Surgery

General Surgery

Translational Research

Resuscitation

Organ Preservation

Traumatic Brain Injury

Education

Post Graduate

Surgical Critical Care Fellowship

LA County + University of Southern California (USC) Medical Center & Keck Hospital of USC

Department of Surgery

Los Angeles, CA

07/2014 - 06/2015

General Surgery Residency

St. Joseph Mercy Health System

Department of Surgery

Ann Arbor, MI

06/2009 - 06/2014

Graduate

Technical University Munich School of Medicine (Munich, Germany) and Friedrich Alexander University Erlangen-Nuremberg School of Medicine (Erlangen, Germany)
04/2002 - 11/2008

Certification & Licensure

Licensure

Virginia Board of Medicine: License in Medicine & Surgery (since 9/2015)
The Medical Board of California: License as Physician and Surgeon (since 5/2013)
Government of Bavaria, Germany: License to Practice Medicine (11/2008)

United States Medical Licensing Exam: Step 3 (11/2009)
United States Medical Licensing Exam: Step 2 (8/2008)
United States Medical Licensing Exam: Step 1 (9/2005)

Bavarian Red Cross, Germany: License as Paramedic (2001)

Certification

American Board of Surgery: General Surgery (1/2015 - 12/2025)
American Board of Surgery: Surgical Critical Care (11/2015 - 12/2026)

Disaster Management and Emergency Preparedness (DMEP): Certified (since 2019)
Advanced Surgical Skills for Exposure in Trauma (ASSET): Course Director (since 2018), Course Instructor (since 2014)
American College of Surgeons Committee on Trauma: "Bleeding Control / Stop the Bleed" Instructor (since 2018)
Advanced Trauma Life Support (ATLS): Course Director (since 2017), Course Instructor (since 2012)
Pediatric Advanced Life Support (PALS): Certified (since 2017)
Advanced Trauma Operative Management (ATOM): Certified (2014)
Fundamental Critical Care Support (FCCS): Course Instructor (since 2014)
Advanced Burn Life Support (ABLS): Certified (since 2012)
Advanced Cardiac Life Support (ACLS): Certified (since 2009)

National Institutes of Health (NIH) Clinical Center: Certificate of Successful Completion
Introduction to the Principles and Practice of Clinical Research Course (8/2018 - 6/2019)

Institute for Healthcare Improvement (IHI) Open School: *Basic Certificate in Quality & Safety* (4/2017)

Collaborative Institutional Training Initiative (CITI): *Human Research Certification* (since 2012)

Hospital Appointments

Virginia Commonwealth University Medical Center, Richmond, VA
08/2016 - Present

HCA John Randolph Medical Center, Hopewell, VA
10/2016 - 12/2018

Keck Hospital of University of Southern California and LAC+USC Medical Center, Los Angeles, CA
07/2015 - 06/2016

Academic Appointment History

Assistant Medical Director, Surgical Intensive Care Unit
Division of Acute Care Surgical Services
Department of Surgery
Virginia Commonwealth University
Richmond, VA
07/2018 - Present

Associate Program Director, Surgical Critical Care Fellowship
Division of Acute Care Surgical Services
Department of Surgery
Virginia Commonwealth University
Richmond, VA
05/2017 - Present

Assistant Professor of Surgery
Virginia Commonwealth University School of Medicine
Richmond, VA
08/2016 - Present

Clinical Instructor in Acute Care and Trauma Surgery
University of Southern California Keck School of Medicine
Los Angeles, CA
07/2015 - 06/2016

Employment History

Staff Physician, Division of Acute Care Surgical Services, Department of Surgery,
Virginia Commonwealth University, Richmond, VA
08/2016 - Present

Clinical Instructor, Department of Surgery, University of Southern California, Los Angeles, CA
07/2015 - 06/2016

Surgical Critical Care Fellow, LA County + USC Medical Center, Los Angeles, CA
07/2014 - 06/2015

House Officer, Department of Surgery, St. Joseph Mercy Health System, Ann Arbor, MI
07/2009 - 06/2014

Special Awards & Honors

Shining Knight

Awarded for Outstanding Care and Compassion for Trauma Patients

11th Annual Shining Knight Gala of the VCU Trauma Center

Richmond, VA

05/2019

Fellow, American College of Surgeons (FACS)

Title granted to surgeons whose "education and training, professional qualifications, surgical competence, and ethical conduct have passed a rigorous evaluation, and have been found to be consistent with the high standards established and demanded by the College." (American College of Surgeons)

10/2017

Eastern Association for the Surgery of Trauma (EAST): inaugural participant, INVEST-C
"Research Hackathon"

Invited participant for a highly competitive, two day research workshop organized by EAST to develop highly current and fundable research in trauma surgery

Chicago, IL

04/2017

United States of America, Department of the Navy: Certificate of Appreciation for
Outstanding Support Of the Navy Trauma Training Center (NTTC)

Awarded for the contributions to teaching and education of U.S. Navy personnel during their training at the NTTC prior to deployment

06/2016

Fellow Teaching Award "In Recognition of Outstanding Contributions to Medical
Student Education"

Teaching award granted annually to one fellow at USC Medical Center by the medical students at USC

University of Southern California, Keck School of Medicine, Los Angeles, CA

05/2016

Richard A. Pomerantz Trauma Award "For Exemplary Dedication to the Care of the
Trauma Patient"

Awarded to one senior surgery resident per year who demonstrated superior dedication to the care of trauma patients as selected by the General Surgery faculty

St. Joseph Mercy Health System, Ann Arbor, MI

06/2014

Clarence E. Crook Resident Research Award "In Recognition of Excellence in Surgical
Research"

Awarded to one surgery resident per year who excelled in scholarly activity and scientific publications as selected by the General Surgery faculty and Surgical Research division

St. Joseph Mercy Health System, Ann Arbor, MI

Awarded in 2011, 2012, 2013, and 2014

19th Annual Resident Research Forum: Resident Research Award, 1st place
*Annual research competition among the residents of all ACGME-
accredited residency programs at St. Joseph Mercy Health System*
St. Joseph Mercy Health System, Ann Arbor, MI
2013

The Frederick A. Coller Surgical Society: Annual Resident Research Award
*Awarded to one resident with the best research project and podium presentation at
the annual meeting of the society*
Ann Arbor, MI
2013

The Frederick A. Coller Surgical Society: Coller Traveling Fellowship for Residents
*Travel stipend awarded to selected residents at University of Michigan-affiliated
hospitals to meet and work with Coller Society members at medical institutions across
the U.S.*
Ann Arbor, MI
2012

18th Annual Resident Research Forum: Resident Research Award, 1st and 2nd place
*Annual research competition among the residents of all ACGME-
accredited residency programs at St. Joseph Mercy Health System*
St. Joseph Mercy Health System, Ann Arbor, MI
2012

17th Annual Resident Research Forum: Resident Research Award, 1st, 2nd, and 3rd
place
*Annual research competition among the residents of all ACGME-
accredited residency programs at St. Joseph Mercy Health System*
St. Joseph Mercy Health System, Ann Arbor, MI
2011

D. Emerick Szilagi Vascular Award
*Award presented to the resident with the "most outstanding clinical research paper in
vascular surgery and podium presentation" at the annual meeting of the Michigan
Chapter of the American College of Surgeons ?*
Grand Rapids, MI
2011

Winner, Resident Surgeons' Competition
*Awarded to the resident with the best research project and podium presentation at the
Michigan Society of Thoracic and Cardiovascular Surgeons' annual summer conference*
Bellaire, MI
2011

Resident Scholarship of the American Association for the Surgery of Trauma (AAST)
*Travel stipend awarded to selected residents to support their attendance at the annual
AAST meeting*

Boston, MA
2010

16th Annual Resident Research Forum: Resident Research Award, 2nd place
*Annual research competition among the residents of all ACGME-
accredited residency programs at St. Joseph Mercy Health System*
St. Joseph Mercy Health System, Ann Arbor, MI
2010

Research Scholar, Biomedical Sciences Exchange Program (BMEP) of the International
Academy of Life Sciences Sciences
*Highly-competitive scientific and educational exchange program between North
America and Europe to foster academic careers in Biomedicine*
Hanover, Germany
2006

Society Memberships

European Society for Trauma and Emergency Surgery
Member
01/2019 - Present

Humera Surgical Society (Virginia Commonwealth University)
Member
2017 - Present

Medical Society of Virginia (MSV)
Member, MSV Advocacy Committee Specialty Advisory Council
2016 - Present

Southeastern Surgical Congress (SESC)
Member, Young Surgeons Committee (since 2017)
Member, Surgical Practice Committee (since 2017)
2016 - Present

American College of Surgeons, Virginia Chapter
Council Member
Chair, Issues Committee (since October 2017)
2016 - Present

Association for Academic Surgery
Member
2012 - Present

Eastern Association for the Surgery of Trauma (EAST)
*Member, Career Development Committee (since 2016); Lead, Careercast Section
(since 2017)*
*Member, Emergency General Surgery Task Force of the Guidelines Committee (2014-
2016)*
2011 - Present

Society of Critical Care Medicine
Member, Surgery Section
Member, Research Section
2011 - Present

American Medical Association
Member
2011 - Present

American College of Surgeons (ACS)
Fellow, American College of Surgeons
Vice-Chair, Regional Committee on Trauma (since 2019)
Issues Chair, Virginia Chapter of the American College of Surgeons (since 2017)
Organizer, ACS Regional Committee on Trauma and Commission on Cancer Annual Resident Paper Competition (since 2017)
Past-Chair, Advocacy & Issues Committee of the ACS Resident and Associate Society (2014/2015)
2009 - Present

Scholarly Activities

Expert Services

Manuscript Review

British Medical Journal (BMJ)
BMJ Surgery
Journal of Critical Care
Minerva Chirurgica
Perspectives in Vascular Surgery and Endovascular Therapy

Grant Review

National Institute of Academic Anaesthesia, London, UK

Current Research (Virginia Commonwealth University, Richmond, VA)

"Ascorbic Acid Concentrations in Traumatic Brain Injury Patients: A Potential Target for Intervention" (?HM20015935); co-PIs: Stefan Leichtle, MD, FACS, Vishal Yajnik, MD, Dennis Rivet, MD; co-Investigator: Gretchen Brophy, PharmD, FCCP, FCCM, FNCS

"Optimal Management of Rib Fractures: Evaluation of a New Tool for Patient Disposition after Blunt Thoracic Trauma" (HM20012829); PI: Stefan Leichtle, MD, FACS

"The erector spinae plane block and its effect on respiratory status and pain management in rib fracture patients" (HM20014264); PI: Bryant Tran; Co-Investigator: Stefan Leichtle, MD, FACS

"New Low Volume Resuscitation Solution Customized for the Pre-hospital and ICU Management of Critically-Ill Soldiers"; PI: Martin Mangino, PhD; Co-Investigator: Stefan

Leichtle, MD, FACS

Completed Research (Virginia Commonwealth University, Richmond, VA)

"Blunt bowel and mesenteric injury: A Western Trauma Association Multi-center Observational Study" (HM20013854); Site PI: Stefan Leichtle, MD, FACS; Co-Investigator: Michel Aboutanos, MD, MPH, FACS

"CF-301: A Multicenter, Double-Blind, Randomized, Comparative Study of the Safety, Tolerability, Efficacy, and Pharmacokinetics of CF-301 vs. Placebo in Addition to Standard-of-Care Antibacterial Therapy for the Treatment of Adult Patients with Staphylococcus aureus Bloodstream Infections (Bacteremia) Including Endocarditis"; PI: Dr. Paula Ferrada; Co-Investigator: Stefan Leichtle, MD, FACS
09/2017 - 06/2018

"Therapeutic Anticoagulation in Traumatic Brain Injury (TAC-TBI): An EAST Multi-Center Study" (HM20008466); PI: Kazuhide Matsushima, MD, FACS (LAC+USC Medical Center); Site-PI: Stefan Leichtle, MD, FACS
09/2016 - 01/2019

"A Phase 3, Placebo-Controlled, Randomized, Double-Blind, Multi-Center Study of LJPC-501 in Patients with Catecholamine-Resistant Hypotension (CRH)"; Co-Investigator: Stefan Leichtle, MD, FACS
09/2016 - 05/2017

Past Research

Research Scholar, Neurotransplantation and Regeneration Laboratory, Yale University, New Haven, CT and Axion Research Foundation Biomedical Research Facility, St. Kitts, West Indies: "Viral vectors for GDNF delivery in the primate MPTP model of Parkinson's Disease"
2006 - 2007

Doctoral Student, Department of Plastic and Reconstructive Surgery, Klinikum Rechts der Isar, Technical University Munich, Germany: "Biocompatible implants for peripheral nerve repair in the rat model" 2006 - 2009

Grants and Contracts: Active

"Ascorbic Acid Concentrations in Traumatic Brain Injury Patients: A Potential Target for Intervention"; Co-PIs: Stefan Leichtle, MD, FACS, Vishal Yajnik, MD, Dennis Rivet, MD, Co-Investigator: Gretchen M. Brophy, PharmD, BCPS, FCCP, FCCM, FNCS; Funding Source: Virginia Commonwealth University Value and Efficiency Teaching and Research (VETAR) Grant Award; Total Cost: \$86,339, co-PI Stefan Leichtle, MD, FACS: 5% effort, dates of award: 7/15/2019 to 7/2020
07/2019 - Present

ID FP00007740, New low volume resuscitation solution customized for pre-hospital and
Leichtle, Stefan W.

ICU mechanisms of injury in the complex trauma patient, PI: Martin Mangino, PhD, Funding Source: Department of Defense, Total Cost: \$2,715,440.00, Co-Investigator: Stefan Leichtle, MD, FACS, 5% effort, dates of award: 2019-2022
01/2019 - Present

"A Porcine Model of REBOA-augmented Cardiopulmonary Resuscitation", PI: Stefan Leichtle, MD, FACS, Funding Source: Virginia Commonwealth Department of Surgery ORBIT, Grant Award Sum: \$25,000
08/2018 - Present

Grants and Contracts: Pending

"Ascorbic Acid Concentrations in Traumatic Brain Injury Patients: A Potential Target for Intervention" (focus on biomarkers, lipidomics, and proteomics). PI: Gretchen Brophy PharmD, BCPS, FCCP, FCCM, FNCS. Co-Investigators: Stefan Leichtle, MD, FACS; Vishal Yajnik, MD, MS; Dennis Rivet, MD; Adam Sima, PhD; Chris Dewilde; Anna Priday; Kyle Narron; Laura Puckett; Donald Brophy, PharmD, MS; Erika Martin, MS; Matt Halquist, PhD; Dayanjan Shanaka Wijesinghe, PhD; Kevin Wang, PhD. [submitted for CCTR Endowment Fund Grant]
02/2019 (in progress)

HM20004884, "Pilot Study of the Effects of Intravenous High Dose Vitamin C on Inflammation, Oxidative Stress, Coagulation and Brain Injury Biomarkers in Traumatic Brain Injury Patients", PI: Gretchen M. Brophy, PharmD, BCPS, FCCP, FCCM, FNCS, Co-Investigator: Stefan Leichtle, MD, FACS
03/2018 (in progress)

Advising and Mentoring

Medical Student Career Advisor, 4 hours per month: mentoring for 3rd and 4th year medical students preparing for a match in Surgery Residency and NRMP application support

2017: Chelsea Olson

2018: Kavya Kommaraju

2019: Cameron Benedict; Sarah Poirier; Cassie Valukas

2018 Practice of Clinical Medicine Preceptorship: MS2 Preceptor (Lillian Singer): 24 hours

Hands-on training on direct patient contact for 2nd year medical students in clinic and on wards

08/2018 - 12/2018

Resident ABSITE Mentor, 4 hours per month

02/2017 - 06/2018

Medical Student Research Supervisor for Summer Research Project, 4 hours per month

John W. Lucas (VCU Medical Student): *Decreasing Accuracy of the eFAST Exam* –

Another Challenge Due to Morbid Obesity

- Plenary Oral presentation ("Gold Medal Finalist") at 2019 Annual Scientific Meeting, Southeastern Surgical Congress, Charlotte, NC, 2/2019
- Peer-reviewed publication in the *American Surgeon*, 2019 [accepted for publication]

Nick Poulos (VCU Medical Student): *Field Triage of Motor Vehicle Crashes – Which Factors Predict High Injury Severity?*

- Dean's Summer Research Fellowship Award
- Poster presentation at Rao Ivatury Trauma Symposium 2018, Richmond, VA
- Oral presentation at 54th Annual Humera Surgical Society Meeting 2018, Irvington, VA
- Plenary Oral presentation at 2019 Annual Scientific Meeting, Southeastern Surgical Congress, Charlotte, NC, 2/2019
- Peer-reviewed publication in the *American Surgeon*, 2019 [accepted for publication]

Sarah Wang (VCU Medical Student): *Who should be in the Intensive Care Unit? Improving Triage Criteria for Patients with Rib Fractures*

- Dean's Summer Research Fellowship Award
- Poster presentation (given "Top Award" in patient-centered research category) at American Medical Student Association Convention, Washington, DC, 3/2019

Kyle Alexander (VCU Medical Student): *Massive Transfusion Protocols*

- Dean's Summer Research Fellowship Award
- Collaborative quality improvement and research effort with the Department of Pathology (Blood Bank) to evaluate and improve VCU's massive transfusion protocol

Capwell Taylor (VCU Medical Student): *Nutrition in Critically Ill Patients*

- Collaborative quality improvement and research effort with clinical dietitians to evaluate and improve nutrition practices in the Surgical Intensive Care Unit

Presentations

Invited

Internal/VCU

Invited Keynote Speaker: Burn Survivor Sunday 2019

"The Evolution of Burn Care and National Role of the Evans Haynes Burn Center"

Virginia Commonwealth University

Richmond, VA

05/2019

Lecture: "Electrolytes and Fluids", M IV Elective

Department of Surgery

Virginia Commonwealth University

Richmond, VA

04/2019

Moderator "Scientific Oral and Poster Presentations", 20th Annual Rao R. Ivatury Trauma Symposium
Richmond, VA
03/2019

Lecture: "Benign gastric and duodenal disease", Resident Applied Science Conference
Department of Surgery
Virginia Commonwealth University
Richmond, VA
10/2018

Lecture: "Urogenital Trauma", Resident Applied Science Conference
Department of Surgery
Virginia Commonwealth University
Richmond, VA
05/2018

Lecture: "Neck Trauma", Resident Applied Science Conference
Department of Surgery
Virginia Commonwealth University
Richmond, VA
04/2018

Lecture: M4 Capstone "Common Surgical Emergencies"
Department of Surgery
Virginia Commonwealth University
Richmond, VA
03/2018

Moderator "Scientific Oral and Poster Presentations" and "Challenging Case Presentations", 19th Annual Rao R. Ivatury Trauma Symposium
Richmond, VA
03/2018

Invited lecture: "Mechanical Ventilation", FCCS Curriculum for Advanced Practice Providers
Virginia Commonwealth University Health System
Richmond, VA
01/2018

Lecture: "Electrolytes and Fluids", MIV Elective
Department of Surgery
Virginia Commonwealth University
Richmond, VA
01/2018

Lecture: "Pancreatic and Duodenal Trauma", Resident Applied Science Conference
Department of Surgery
Virginia Commonwealth University

Richmond, VA
12/2017

Grand Rounds: "Hemorrhagic Shock"
Department of Cardiology
Virginia Commonwealth University
Richmond, VA
10/2017

Invited lecture: "APRV and Bi-Level Ventilation", Respiratory Therapist Recruitment Day
Respiratory Care and Pulmonary Function
Virginia Commonwealth University Medical Center
Richmond, VA
05/2017

Invited lecture: "Hemorrhagic Shock", weekly cardiac ICU (CICU) conference
Department of Cardiology
Virginia Commonwealth University
Richmond, VA
04/2017

Moderator "Scientific Oral and Poster Presentations", 18th Annual Rao R. Ivatury
Trauma Symposium
Richmond, VA
03/2017

Lecture: "Electrolytes and Fluids", MIV Elective
Department of Surgery
Virginia Commonwealth University
Richmond, VA
02/2017

Video lecture: "Electrolytes and Fluids", MIV Elective
Department of Surgery
Virginia Commonwealth University
Richmond, VA
01/2017

Lecture: "Professionalism in Surgery", Resident Applied Science Conference
Department of Surgery
Virginia Commonwealth University
Richmond, VA
12/2016

Lecture: "Liver Injuries", Weekly Trauma Conference
Division of Acute Care Surgical Services
Virginia Commonwealth University
Richmond, VA
08/2016

Local/Regional (Virginia but Non-VCU)

Invited Speaker: "Does Public Reporting of Hospital Performance Lead to Improved Patient Care and Better Choice by Consumers?" Pro: Stefan Leichtle, MD, Virginia Commonwealth University; Con: Megan Tracci, MD, University of Virginia. "Great Debates Session" at the ACS Virginia Chapter Meeting 2019
Richmond, VA
05/2019

Lecture: "Traumatic Brain Injury" for Prehospital Trauma Life Support Course (PHTLS)
Center for Trauma & Critical Care Education
Richmond, VA
03/2019

Invited panelist: "RAS Leadership Opportunities"
2017 Annual Meeting, Virginia Chapter, American College of Surgeons
Williamsburg, VA
06/2017

Invited lecture: "Critical Care in the Polytrauma Patient"
26th Annual Hampton Roads Trauma Symposium
Williamsburg, VA
04/2017

Lecture: "Circulation, Hemorrhage, and Shock" for Prehospital Trauma Life Support Course (PHTLS)
Center for Trauma & Critical Care Education
Richmond, VA
03/2017

Invited lecture: "Damage Control Resuscitation"
EMT Services of Hanover County
Ashland, VA
10/2016

National

Poster presentation, "Top Award" in patient-centered research category, American Medical Student Association Convention, Washington, DC.
Wang S, Torres B, **Leichtle SW**. *Who should be in the Intensive Care Unit? Improving Triage Criteria for Patients with Rib Fractures.*
03/2019

Plenary Oral Presentation ("Gold Medal Finalist"), 2019 Annual Scientific Meeting, Southeastern Surgical Congress, Charlotte, NC.
Leichtle SW, Lucas JW, Kim WC, Aboutanos M. *Decreasing Accuracy of the eFAST Exam – Another Challenge Due to Morbid Obesity?*
02/2019

Plenary Oral Presentation, 2019 Annual Scientific Meeting, Southeastern Surgical

Congress, Charlotte, NC.

Leichtle SW, Poulos N, Whelan J, Aboutanos M. *Field Triage of Motor Vehicle Crashes – Which Factors Predict High Injury Severity?*

02/2019

Invited Moderator: "Engage the Masters" Panel Discussion
Annual Scientific Assembly of the Eastern Association for the Surgery of Trauma (EAST), Austin, TX

01/2019

Invited National Ultrasound Faculty at Southeastern Surgical Congress (SESC): "SESC 2018 Ultrasound Course - Pulmonary and Chest Ultrasonography". *Oral presentation and hands-on teaching session at SESC.* Tampa, FL

02/2018

Invited lecture: "Cricothyroidotomy"
23rd Annual USC National Trauma, Emergency Surgery and Surgical Critical Care Symposium

Pasadena, CA

05/2016

Invited lecture: "Cervical Spine Injuries"
Nurses' Trauma Update Spring 2016
LAC+USC Medical Center Education and Consulting Services

Los Angeles, CA

02/2016

Invited lecture: "Beyond ABCDE – Current Concepts in the Resuscitation of Critically Ill Trauma Patients"

LA County Nursing Critical Care Symposium

Los Angeles, CA

10/2015

Invited lecture: "Appendicitis in Pregnancy"
22nd Annual USC National Trauma, Emergency Surgery and Surgical Critical Care Symposium

Pasadena, CA

05/2015

Invited lecture: "Anemia and Transfusion Triggers"
Nurses' Trauma Update Winter 2015
LAC+USC Medical Center Education and Consulting Services

Los Angeles, CA

02/2015

Invited lecture: "Tranexamic Acid"
Nurses' Trauma Update Summer 2014
LAC+USC Medical Center Education and Consulting Services

Los Angeles, CA

08/2014

Invited panelist: "Resident Readiness and Transition to Practice – Are Five Years of Training Still Good Enough?"

9th Annual AAS Congress, Association for Academic Surgery (AAS)

San Diego, CA

2014

Invited lecture: "Current Problems in Robotic Coronary Artery Revascularization"

Graduate Course Innovative Design in Biomedical Engineering

University of Michigan

Ann Arbor, MI

2014

Invited lecture: "Research from a Resident's Perspective"

Southeast Michigan Center for Medical Education (SEMCMC) Research Workshop Series & Forum

Detroit, MI

10/2013

Oral presentation, 59th Clinical Meeting of the Frederick Coller Surgical Society, Ann Arbor, MI

Leichtle SW, Mouawad NJ, Kaoutzannis C, Winter S, Lampman R, McCord M, Cleary RK. "A Randomized Trial of Pain Control with Continuous Wound Catheters Versus Epidural Analgesia in Colorectal Surgery"

10/2013

Grand Rounds, Section of General Surgery, St. Joseph Mercy Health System, Ann Arbor, MI

"Physician Ratings and Online Rankings: Patient Satisfaction As a New Outcome?"

09/2013

Oral presentation, 60th Annual Meeting of the Michigan Chapter of the American College of Surgeons, Kalamazoo, MI

Leichtle SW, Mouawad NJ, Lampman R, Welch KB, Cleary RK. "A Randomized Controlled Trial of Pain Control with Continuous Wound Catheters versus Epidural Analgesia in Colorectal Surgery"

05/2013

Oral presentation, 2012 American College of Surgeons' NSQIP National Conference, Salt Lake City, UT

Leichtle SW, Kaoutzannis C, Mouawad NJ, Welch KB, Lampman R, Kreske E, Hoshal V. "Perioperative Outcomes after Pancreaticoduodenectomy – Classic Whipple versus Pylorus Preservation"

07/2012

Oral presentation, 59th Annual Meeting of the Michigan Chapter of the American College of Surgeons, Traverse City, MI

Leichtle SW, Kaoutzannis C, Mouawad NJ, Welch KB, Lampman R, Hoshal V, Kreske E.

"Classic Whipple versus Pylorus Preserving Pancreaticoduodenectomy – Outcomes from the American College of Surgeons' National Surgical Quality Improvement Program"
05/2012

Oral presentation, 18th Annual Resident Research Forum, St. Joseph Mercy Health System, Ann Arbor, MI

Leichtle SW, Kaoutzanis C, Mouawad NJ, Welch KB, Lampman R, Hoshal V, Kreske E. "Perioperative Outcomes after Pancreaticoduodenectomy – Classic Whipple versus Pylorus Preservation"
04/2012

Oral presentation, 18th Annual Resident Research Forum, St. Joseph Mercy Health System, Ann Arbor, MI

Leichtle SW, Kaoutzanis C, Mouawad NJ, Purtill MA, Brandt MM. "Risk Stratification in Sepsis with Tissue Oxygenation Monitoring. Oral presentation"
04/2012

Oral presentation, 57th Clinical Meeting of the Frederick Coller Surgical Society, Napa, CA

Leichtle SW, Mouawad NJ, Lampman R, Whitehouse WM, Heidenreich M. "Regional Anesthesia Decreases the Risk for Postoperative Myocardial Infarction: An Analysis of Carotid Endarterectomies in the ACS NSQIP Database"
10/2011

Oral presentation, 5th World Congress on Abdominal Compartment Syndrome, Orlando, FL

Leichtle SW, Posa P, Wilczak E, Mouawad NJ, Nieman W, Anderson III H, Bander J, Brandt MM, Purtill MA. "Abdominal Hypertension: A Critical Care Screening Program"
08/2011

Oral presentation, Michigan Society of Thoracic and Cardiovascular Surgeons, Annual Summer Conference, Bellaire, MI

Leichtle SW, Mouawad NJ, Lampman R, Whitehouse WM, Heidenreich MJ. "General Anesthesia: An Independent Risk Factor for Myocardial Infarction after Carotid Endarterectomy"
08/2011

Oral presentation, 58th Annual Meeting of the Michigan Chapter of the American College of Surgeons, Grand Rapids, MI

Leichtle SW, Mouawad NJ, Lampman R, Whitehouse WM, Heidenreich MJ. "General Anesthesia: An Independent Risk Factor for Myocardial Infarction after Carotid Endarterectomy"
05/2011

Oral presentation, 17th Annual Resident Research Forum, St. Joseph Mercy Health System, Ann Arbor, MI

Leichtle SW, Mouawad NJ, Lampman R, Whitehouse WM, Heidenreich MJ. "General versus Regional Anesthesia for Carotid Endarterectomy: Outcomes in the ACS NSQIP Database"

04/2011

Oral presentation, 17th Annual Resident Research Forum, St. Joseph Mercy Health System, Ann Arbor, MI

Leichtle SW, Wilczak E, Posa P, Mouawad NJ, Nieman W, Anderson III H, Bander J, Brandt MM, Purtill MA. "Abdominal Hypertension: A Critical Care Screening Program"

04/2011

Oral presentation, 17th Annual Resident Research Forum, St. Joseph Mercy Health System, Ann Arbor, MI

Leichtle SW, Mouawad NJ, Welch K, Lampman R, Cleary R. "Independent Risk Factors for an Anastomotic Leak after Colectomy from the Michigan Surgical Quality Collaborative Database"

04/2011

Oral presentation, Quarterly Michigan Surgical Quality Collaborative (MSQC) Meeting, New Hudson, MI

Leichtle SW, Mouawad NJ, Singal B, Lampman R, Cleary R. "Does preoperative anemia adversely affect colon and rectal surgery outcomes?"

09/2010

Invited panelist: "Effective Use of Blood Transfusions"

Quarterly Michigan Surgical Quality Collaborative (MSQC) Meeting, New Hudson, MI

09/2010

Oral presentation, 2010 American College of Surgeons' NSQIP National Conference, Chicago, IL

Leichtle SW, Mouawad NJ, Singal B, Lampman R, Cleary R. "Does Preoperative Anemia Adversely Affect Colon and Rectal Surgery Outcomes?"

07/2010

Oral presentation, 57th Annual Meeting of the Michigan Chapter of the American College of Surgeons, Thompsonville, MI

Leichtle SW, Mouawad NJ, Singal B, Lampman R, Cleary R. "The Effect of Preoperative Anemia on Outcomes in Colon and Rectal Surgery"

05/2010

International

International Trauma Tele-Grand Rounds, Panamerican Trauma Society

"Iliac Vein Injury, REBOA, and Vasoplegia"

University of Miami Miller School of Medicine

Miami, FL

11/2018

International Trauma Tele-Grand Rounds, Panamerican Trauma Society

"Penetrating Duodenal Trauma"

University of Miami Miller School of Medicine

Miami, FL

09/2017

International Trauma Tele-Grand Rounds, Panamerican Trauma Society
"Penetrating Neck Trauma"
University of Miami Miller School of Medicine
Miami, FL
02/2017

Posters or Other Unsolicited Presentations

Local/Regional (Virginia but Non-VCU)

Poster presentation, 54th Annual Humera Surgical Society Meeting
Poulos NG, **Leichtle SW**, Whelan J, Aboutanos MA. "Trauma Mechanism in Motor Vehicle Crashes: Does the Story Matter?"
04/2018

National

Poster of Exceptional Merit at Scientific Exhibition, 97th Annual Clinical Congress of the American College of Surgeons, San Francisco, CA
Leichtle SW, Mouawad NJ, Welch K, Lampman R, Cleary R. "Independent Risk Factors for an Anastomotic Leak after Colectomy from the Michigan Surgical Quality Collaborative Database"
10/2011

Poster presentation, 2011 American College of Surgeons' NSQIP National Conference, Boston, MA
Leichtle SW, Mouawad NJ, Welch K, Lampman R, Cleary R. "The Michigan Surgical Quality Collaborative Database Colectomy Project: Anastomotic Leakage after Colectomy"
07/2011

Poster presentation, 14th Annual Conference of the American Society for Neural Therapy & Repair, Clearwater Beach, FL
Leichtle SW, Bober J, Markakis EA, Leranath C, Samulski RJ, Zhou X, Zuffery R, Aebischer P, Vives K, Redmond, Jr. DE. "AAV2 is superior to EIAV vector for expressing GDNF in the primate nigrostriatal system"
05/2007

Teaching Experience

Didactic and Clinical

Virginia Commonwealth University, School of Medicine, Richmond, VA
Lecturer for Anesthesia Residency Trauma Seminar
0.5 hours per week
08/2018 - Present

Virginia Commonwealth University, School of Medicine, Richmond, VA
Associate Program Director, Surgical Critical Care Fellowship, "Trauma Fellow Teaching

Rounds", 2 fellows , 2-4 residents, 1 hour per week
Bedside teaching rounds with focus on acute surgical care of trauma patients and "board-style" questions for senior residents and fellows
08/2017 - Present

Virginia Commonwealth University, School of Medicine, Richmond, VA
Lecturer for MS IV Elective (Surgery, Fluids and Electrolytes), approx 20 M4s, 3 hours
Jan/Feb 2017, Jan 2018, Apr 2019
01/2017 - Present

Virginia Commonwealth University, School of Medicine, Richmond, VA
Attending Surgical Intensivist, Surgical and Trauma Intensive Care Unit (STICU): 2
fellows, 2-4 residents and interns, 1-2 M-3s and M-4s, 6 hours per day, 1 week per
month
08/2016 - Present

Virginia Commonwealth University, School of Medicine, Richmond, VA
Attending Trauma Surgeon, Inpatient Trauma Service, 2-3 residents, 1-2 M-3s, 6 hours
per day, 1 week per month
08/2016 - Present

University of Southern California, Keck School of Medicine, Los Angeles, CA
Clinical Instructor, Organizer & Lecturer: Resident and Fellow Weekly Core Lecture
Series and Journal Club, 4 weeks per month, 4 hours per week
07/2015 - 06/2016

Service Activities

Clinical Service

Outpatient Activities

VCU Ambulatory Care Center: Trauma Clinic (1 day per month)
08/2016 - Present

VCU Ambulatory Care Center: Ambulatory Surgery (1 day every other week)
08/2016 - Present

VCU Ambulatory Care Center: General Surgery Clinic (1 day per week, 3-4 weeks per
month)
08/2016 - Present

MCV Physicians at Temple Avenue (1 week every other month, 3 days per week)
08/2016 - 02/2019

Inpatient Activities

Attending Surgical Intensivist, Surgical and Trauma Intensive Care Unit (STICU)
08/2016 - Present

Attending Trauma & General Surgeon, Division of Acute Care Surgical Services

08/2016 - Present

Service to the Profession

Vice-Chair, American College of Surgeons' Regional Committee on Trauma (R-COT) for the State of Virginia

Organization of the annual Physician-in-Training Paper Competition

Development of a state-wide research collaboration

03/2019 - Present

Invited Moderator: Southeastern Surgical Congress Annual Scientific Meeting 2019

Oral Presentations

Charlotte, NC

02/2019

Southeastern Surgical Congress Mock Oral Exams

Examiner

Annual Scientific Meeting 2019, Charlotte, NC

02/2019

Organizer, American College of Surgeons' Regional Committee on Trauma (RCOT) and Commission on Cancer (COC) Resident Paper Competition

Organization of the VA COT and COC Resident Paper Competition held annually at VCU Medical Center

Richmond, VA

10/2018

Course Director Candidate, Advanced Surgical Skills for Exposure in Trauma (ASSET) Course

VCU Medical Center

Richmond, VA

10/2018

Course Instructor, Advanced Surgical Skills for Exposure in Trauma (ASSET) Course

VCU Medical Center

Richmond, VA

10/2018

Course Director, Advanced Trauma Life Support (ATLS) Course

VCU Medical Center

Richmond, VA

09/2018

Medical Society of Virginia (MSV): Surgery representative on Specialty Advisory Committee

Representing the advocacy and health policy interests of surgeons in the state of Virginia at the MSV Advocacy Committee

Richmond, VA

05/2018 - Present

Organizer, American College of Surgeons' Regional Committee on Trauma (RCOT) and Commission on Cancer (COC) Resident Paper Competition
Organization of the VA COT and COC Resident Paper Competition held annually at VCU Medical Center
Richmond, VA
11/2017

Council Member, Virginia Chapter of the American College of Surgeons
Co-Chair (since May 2017), Chair (since October 2017), Issues Committee
06/2017 - Present

Eastern Association for the Surgery of Trauma (EAST): Career Development Committee
Development of courses, lectures, and other resources aimed at the career development of EAST members. Hosted several "Careercasts", i.e. podcasts interviewing prominent members of the trauma community about career and practice related topics in trauma
01/2017 - Present

Eastern Association for the Surgery of Trauma (EAST): Guidelines Committee, Emergency General Surgery Task Force
Development of best-practice guidelines for the care of acutely injured and critically ill patients
2015 - 2016

American College of Surgeons' Resident and Associate Society (ACS-RAS): Chair, Advocacy and Issues Committee (2014/2015)
Organization of the Annual Resident Symposium at the ACS Clinical Congress; education of members about current issues in health policy; promotion of surgeon leadership and engagement in political advocacy
2014 - 10/2017

American College of Surgeons' Resident and Associate Society (ACS-RAS) SurgeonsPAC ACS-RAS Leadership Council, Founding Member
Organization of regional and national educational and advocacy events
2014 - 2015

Course Director, Advanced Trauma Life Support (ATLS) Course
VCU Medical Center
Richmond, VA
09/2017

Course Director, Advanced Trauma Life Support (ATLS) Course
VCU Health System
Richmond, VA
04/2017

Invited Instructor at University of Maryland, Baltimore County (UMBC) Critical Care Emergency Medical Transport Program (CCEMTP)
VCU Health System

Richmond, VA
10/2016

Instructor, Advanced Trauma Life Support (ATLS) Course
VCU Health System
Richmond, VA
10/2016

Surgery Representative, Blood Utilization Committee
Quarterly review of perioperative transfusion practices and use of massive transfusion protocol
LAC + USC Medical Center
Los Angeles, CA
2015 - 2016

Department of Surgery Representative: LAC+USC Medical Center "Morbid Obesity Strike Team"
Multidisciplinary task force to address the needs of severely obese inpatients and improve outcomes and resource utilization
LAC + USC Medical Center
Los Angeles, CA
2015 - 2016

Physician champion: Early Mobilization Quality Improvement Initiative
Multidisciplinary team to develop and execute strategies that improve outcomes through mobilization of critically ill patients
LAC + USC Medical Center
Los Angeles, CA
2014 - 2016

Course Director Candidate, Advanced Trauma Life Support (ATLS) Course
USC Surgery Surgical Skills Training & Education Center
Los Angeles, CA
06/2016

Instructor, Advanced Trauma Life Support (ATLS) Course
USC Surgery Surgical Skills Training & Education Center
Los Angeles, CA
03/2016

Instructor, Advanced Trauma Life Support (ATLS) Course
USC Surgery Surgical Skills Training & Education Center
Los Angeles, CA
01/2016

Instructor, Advanced Trauma Life Support (ATLS) Course
USC Surgery Surgical Skills Training & Education Center
Los Angeles, CA
04/2015

Instructor, Advanced Trauma Life Support (ATLS) Course
St. Joseph Mercy Health System
Ann Arbor, MI
09/2013

Instructor, Advanced Trauma Life Support (ATLS) Course
St. Joseph Mercy Health System
Ann Arbor, MI
02/2013

Instructor, Advanced Trauma Life Support (ATLS) Course
St. Joseph Mercy Health System
Ann Arbor, MI
10/2012

Instructor Candidate, Advanced Trauma Life Support (ATLS) Course
Miami Valley Hospital
Dayton, OH
06/2012

Resident Member, Trauma Operational Process Performance Committee
Monthly review of trauma cases and resource allocation at the trauma center
Saint Joseph Mercy Health System
Ann Arbor, MI
2012 - 2014

Resident Representative, Research Advisory Committee
Development of academic strategy and discussion of research projects for faculty and residents at Saint Joseph Mercy Health System
Ann Arbor, MI
2010 - 2014

Crucial Conversations Trainer
Instructor for courses teaching faculty, house officers, and nursing staff effective communication techniques in challenging and high stakes situations
Saint Joseph Mercy Health System
Ann Arbor, MI
2010 - 2014

Service to the Community

Organizer and Instructor, Stop the Bleed Course at the ACS Virginia Chapter Meeting
2019
National campaign to teach first responders and bystanders the skills to provide initial hemorrhage control
Richmond, VA
05/2019

Organizer and Instructor, Stop the Bleed Course for members of the Virginia Legislative

Assembly

National campaign to teach first responders and bystanders the skills to provide initial hemorrhage control

Richmond, VA

04/2019

Organizer and Instructor, Stop the Bleed Course for members of the Virginia Legislative Assembly

National campaign to teach first responders and bystanders the skills to provide initial hemorrhage control

Richmond, VA

04/2018

Organizer and Instructor, Stop the Bleed Course for employees of the Omni Homestead Resort

National campaign to teach first responders and bystanders the skills to provide initial hemorrhage control

Hot Springs, VA

04/2018

Service to the University

Annual Rao R. Ivatury Trauma Symposium

Co-chair, Planning Committee

Organizer, Scientific Abstract Session

Division of Acute Care Surgical Services

Richmond, VA

02/2017 - Present

Service to the School of Medicine

Member, Program Oversight Subcommittee of the Graduate Medical Education Committee (GMEC)

Oversight of annual GME program review process and internal reviews of GME programs at VCU

VCU School of Medicine

Richmond, VA

03/2019 - Present

General Surgery Residency Program, Mock Orals Exams 2018

Department of Surgery

VCU School of Medicine

06/2018

Surgical Critical Care Fellowship, Interviews 2018

Department of Surgery

VCU School of Medicine

05/2018 - 07/2018

General Surgery Residency Program, Interviews 2017-2018
Department of Surgery
VCU School of Medicine
12/2017

Member and Acute Care Surgery Liaison, Quality Improvement Project Team for
Resident Signout (IPASS)
Department of Surgery
VCU School of Medicine
Richmond, VA
10/2017 (in progress)

Acute Care Surgery Representative on the Surgical Clinical Competency Committee
(CCC) for Junior Residents
Bi-annual evaluation of residents' performance based on the ACGME's Milestones
Department of Surgery
VCU School of Medicine
Richmond, VA
06/2017 - Present

Exam Practice for Surgery Residents PGY I - V, Resident Applied Science Conference
Department of Surgery
VCU School of Medicine
Richmond, VA
05/2017

Faculty Interviewer for the Position of Associate Director of Transfusion Medicine
Department of Pathology
VCU School of Medicine
05/2017

Service to other Affiliated Institutions

Chair (Dept. of Surgery), Blood Bank MTP Workgroup
*Collaborative initiative of the Department of Pathology and the Division of Acute Care
Surgical Services to optimize the use of the massive transfusion protocol (MTP) for
trauma and non-trauma situations; review and assessment of MTP activations*
Division of Acute Care Surgical Services, Department of Surgery
VCU Medical Center
01/2019 - Present

Surgery Representative, VCU Health System Emergency Response Committee
*Multi-disciplinary committee tasked to ensure evidence based, effective, and efficient
emergency response processes and systems for the entire health system*
VCU Medical Center
05/2018 - Present

Member, Joint Emergency Preparedness Committee
Coordination of the response to local and regional disasters across multiple medical

specialties and non-medical services at VCU Medical Center
02/2018 - Present

Member, Blood Bank MTP Workgroup

Collaborative initiative of the Department of Pathology and the Division of Acute Care Surgical Services to optimize the use of the massive transfusion protocol (MTP) for trauma and non-trauma situations; review and assessment of MTP activations

Division of Acute Care Surgical Services, Department of Surgery

VCU Medical Center

03/2017 - 12/2018

Surgery Representative, Central Line Insertion Group

Chair: Dr. José L. Muñoz, Interim Chief Quality & Safety Officer

Interdisciplinary workgroup tasked to revise and optimize central line insertions protocols with a focus on infection control, safety, and clinician training

VCU Medical Center

02/2017 - Present

Division of Acute Care Surgical Services Neurosurgery Liaison

Development and revision of current protocols regarding the care of patients with neurotrauma. Case review and performance assessment of complex clinical cases involving the neurosurgery and trauma teams

VCU Medical Center

11/2016 - Present

Publications

Papers Published in Peer Reviewed Journals

1. **Leichtle SW**, Poulos N, Whelan J, Aboutanos M. *Field Triage of Motor Vehicle Crashes – Which Factors Predict High Injury Severity?* Am Surg 2019 [accepted for publication]
2. **Leichtle SW**, Lucas JW, Kim WC, Aboutanos M. *Decreasing Accuracy of the eFAST Exam – Another Challenge Due to Morbid Obesity?* Am Surg 2019 [accepted for publication]
3. DeAntonio JH, Nguyen T, Chenault G, Aboutanos MB, Anand RJ, Ferrada P, Goldberg S, **Leichtle SW**, Procter LD, Rodas EB, Rossi AP, Whelan JF, Feeser VR, Vitto MJ, Broering B, Hobgood S, Mangino M, Wijesinghe DS, Jayaraman S. Medications and patient safety in the trauma setting: a systematic review. World J Emerg Surg. 2019; 14:5. PMID: [30815027](#)
4. Yeragunta Y, **Leichtle SW**, Qiao R. *Quantification of critical care medicine: an ICU survey.* Clin Respir J. 2019 Feb 5. doi: 10.1111/crj.13003. [Epub ahead of print]. PMID: [30724022](#)
5. Logghe HJ, Boeck MA, Gusani NJ, Hardaway JC, Hughes KA, Mouawad NJ, Kulaylat AN, Hoffman RL, Turner P, Jones C, **Leichtle SW**. *Best Practices for Surgeons' Social Media Use: Statement of the Resident and Associate Society of the American College of*

Surgeons. J Am Coll Surg. 2018 Mar;226(3):317-327. PMID [29224795](#)

6. Mouawad NJ, **Leichtle SW**, Kaoutzannis C, Welch K, Winter S, Lampman R, McCord M, Hoskins KA, Cleary RK. *Pain control with continuous infusion preperitoneal wound catheters versus continuous epidural analgesia in colon and rectal surgery: A randomized controlled trial*.

Am J Surg. 2018 Apr;215(4):570-576. PMID: [28688514](#)

7. **Leichtle SW**, Singleton A, Singh M, Griffie MJ, Tobin JM. *Transesophageal Echocardiography in the Evaluation of the Trauma Patient: a Trauma Resuscitation Transesophageal Echocardiography Exam*. J Crit Care. 2017 Apr 7;40:202-206. PMID: [28433951](#)

8. **Leichtle SW**, Tung L, Khan M, Inaba K, Demetriades D. *The Role of Radiologic Evaluation in Necrotizing Soft Tissue Infections*. J Trauma Acute Care Surg. 2016 Nov;81(5):921-924. PMID: [27602893](#)

9. Matsushima K, Inaba K, Cho J, Mohammed H, Herr K, **Leichtle S**, Zada G, Demetriades D. *Therapeutic anticoagulation in patients with traumatic brain injury*. J Surg Res 2016 Sep; 205(1): 186–191. PMID: [27621017](#)

10. Ferrada P, Patel M, Poylin VY, Bruns B, **Leichtle S**, Wydo S, Sultan S, Haut E, Robinson B. *Surgery or stenting for colonic obstruction: a practice management guideline from the eastern association for the surgery of trauma*. J Trauma Acute Care Surg. 2016 Apr;80(4):659-64. PMID: [26808035](#)

11. Kaoutzannis C, Davies E, **Leichtle SW**, Welch KB, Winter S, Lampman RM, Franz MG, Arneson W. *Is hepato-imino diacetic acid scan a better imaging modality than abdominal ultrasound for diagnosing acute cholecystitis?* Am J Surg. 2015 Sep; 210 (3):473-82. PMID: [26033359](#)

12. Kaoutzannis C, Kavanagh CM, **Leichtle SW**, Welch KB, Talsma A, Vandewarker JF, Lampman RM, Cleary RK. *Chlorhexidine with isopropyl alcohol versus iodine povacrylex with isopropyl alcohol and alcohol- versus nonalcohol-based skin preparations: the incidence of and readmissions for surgical site infections after colorectal operations*. Dis Colon Rectum. 2015 Jun;58(6):588-96. PMID: [25944431](#)

13. Kaoutzannis C, **Leichtle SW**, Mouawad NJ, Welch KB, Lampman RM, Wahl WL, Cleary RK. *Risk factors for postoperative wound infections and prolonged hospitalization after ventral/incisional hernia repair*. Hernia. 2015 Feb; 19(1):113-23; PMID. [24030572](#)

14. Casillas MA, **Leichtle SW**, Wahl WL, Lampman RM, Welch KB, Wellock T, Madden EB, Cleary RK. *Improved Perioperative and Short-term Outcomes of Robotic versus Conventional Laparoscopic Colorectal Operations*. Am J Surg. 2014 Jul;208(1):33-40. PMID: [24239530](#)

15. Kaoutzannis C, Davies E, **Leichtle SW**, Welch KB, Winter S, Lampman RM, Arneson W. *Abdominal ultrasound versus hepato-imino diacetic acid scan in diagnosing acute cholecystitis - what is the real benefit?* J Surg Res. 2014 May 1;188(1):44-52. PMID:

24556232

16. **Leichtle SW**, McCabe V, Gupta A. *Obstructing Endobronchial Lipoma*. Ann Thorac Surg. 2014 Feb; 97(2):714. PMID: 24484822

17. Kerwel TG, **Leichtle SW**, Asgeirsson T, Hendren SK, Cleary RK, Luchtefeld MA. *Risk Factors for Readmission Following Elective Colectomy: Postoperative Complications Are More Important than Patient and Operative Factors*. Dis Colon Rectum. 2014 Jan; 57(1):98-104. PMID: 24316952

18. **Leichtle SW**, Kaoutzanis C, Brandt MM, Welch KB, Purtill MA. *Tissue Oxygen Saturation for the Risk Stratification of Septic Patients*. J Crit Care. 2013 Dec;28(6):1111.e1-5. PMID: 24011754

19. **Leichtle SW**, Kaoutzanis C, Mouawad NJ, Welch KB, Lampman R, Hoshal VL, Kreske E. *Classic Whipple versus pylorus-preserving pancreaticoduodenectomy in the ACS NSQIP*. J Surg Res. 2013 Jul;183(1):170-6. PMID: 23410660

20. Kaoutzanis C, **Leichtle SW**, Mouawad NJ, Welch K, Lampman RM, Cleary R. *Postoperative surgical site infections after ventral/incisional hernia repair: a comparison of open and laparoscopic outcomes*. Surg Endosc. 2013 Jun; 27(6):2221-30. PMID: 23389063

21. Mouawad NJ, **Leichtle SW**, Manchio JV, Lampman RM, Halloran BG, Whitehouse WM. *Construct domain analysis of patient health-related quality of life: physical and mental trajectory profiles following open versus endovascular repair of abdominal aortic aneurysm*. Patient Relat Outcome Meas. 2013. 4:1-6; PMID: 23300352

22. **Leichtle SW**, Mouawad NJ, Lampman R, Whitehouse WM, Heidenreich M. *Outcomes of Carotid Endarterectomy under General and Regional Anesthesia from the American College of Surgeons' National Surgical Quality Improvement Program*. J Vasc Surg 2012 Jul; 56(1):81-88.e3. PMID: 22480761

23. **Leichtle SW**, Mouawad NJ, Welch KB, Lampman R, Cleary R. *Risk Factors for Anastomotic Leakage after Colectomy*. Dis Colon Rectum. 2012 May;55(5):569-75. PMID: 22513436

24. Dornseifer U, Fichter AM, **Leichtle S**, Wilson A, Rupp A, Rodenacker K, Ninkovic M, Biemer E, Machens HG, Matiasek K, Papadopulos NA. *Peripheral Nerve Reconstruction With Collagen Tubes Filled With Denatured Autologous Muscle Tissue in the Rat Model*. Microsurgery. 2011 Nov; 31(8):632-41. PMID: 22072584

25. **Leichtle SW**, Mouawad NJ, Singal B, Lampman R, Cleary R. *Does Preoperative Anemia Adversely Affect Colon and Rectal Surgery Outcomes?* J Am Coll Surg 2011 Feb; 212(2):187-194. PMID: 21276532

26. Markakis EA, Vives KP, Bober J, **Leichtle S**, Leranath C, Beecham J, Elsworth JD, Roth RH, Samulski RJ. *Comparative transduction efficiency of AAV vector serotypes 1-6 in the substantia nigra and striatum of the primate brain*. Molecular Therapy 2010 Mar; 18(3):588-93. PMID: 20010918

27. Li W, Asokan A, Wu Z, Van Dyke T, DiPrimio N, Johnson JS, Govindaswamy L, Agbandje-McKenna M, **Leichtle S**, Redmond Jr DE, McCown TJ, Petermann KB, Sharpless NE, Samulski RJ. *Engineering and Selection of Shuffled AAV Genomes: A New Strategy for Producing Targeted Biological Nanoparticles*. *Molecular Therapy* 2008 Jul; 16(7):1252-60. PMID: [18500254](#)

Corporate Authorship or Multicenter Trials

1. Tumlin JA, Murugan R, Deane AM, Ostermann M, Busse LW, Ham KR, Kashani K, Szerlip HM, Prowle JR, Bihorac A, Finkel KW, Zarbock A, Forni LG, Lynch SJ, Jensen J, Kroll S, Chawla LS, Tidmarsh GF, Bellomo R; Angiotensin II for the Treatment of High-Output Shock 3 (**ATHOS-3**) Investigators. *Outcomes in Patients with Vasodilatory Shock and Renal Replacement Therapy Treated with Intravenous Angiotensin II*. *Crit Care Med*. 2018 Jun;46(6):949-957. doi: 10.1097/CCM.0000000000003092. PMID: [29509568](#)

Site investigator at VCU for "Angiotensin II for the Treatment of High-Output Shock 3 (ATHOS-3)" trial, ClinicalTrials.gov number NCT02338843

2. Khanna A, English SW, Wang XS, Ham K, Tumlin J, Szerlip H, Busse LW, Altaweel L, Albertson TE, Mackey C, McCurdy MT, Boldt DW, Chock S, Young PJ, Krell K, Wunderink RG, Ostermann M, Murugan R, Gong MN, Panwar R, Hästbacka J, Favory R, Venkatesh B, Thompson BT, Bellomo R, Jensen J, Kroll S, Chawla LS, Tidmarsh GF, Deane AM; **ATHOS-3 Investigators**. *Angiotensin II for the Treatment of Vasodilatory Shock*. *N Engl J Med*. 2017 Aug 3;377(5):419-430. Epub 2017 May 21. PMID: [28528561](#)

Site investigator at VCU for "Angiotensin II for the Treatment of High-Output Shock 3 (ATHOS-3)" trial, ClinicalTrials.gov number NCT02338843

Books, Book Chapters and Monographs

1. **Leichtle SW** and Aboutanos MA: "Diaphragm Injuries" in *Thoracic Surgery for the Acute Care Surgeon*. Raul Coimbra and Joseph Galante [Eds]. Springer, Heidelberg (in progress)

2. Rodgers S, **Leichtle SW**, Akuamoah-Boateng K, Brunsvold M, Killu K. "Abdominal Surgical Emergencies" in *Fundamental Critical Care Support (FCCS): Surgical First Edition Course Book*. Society of Critical Care Medicine [work in progress] (in progress)

3. **Leichtle, Stefan W** and Inaba, Kenji. "Genitourinary and Splenic Hemorrhage: We're Important Organs Too!" in *Treatment of Ongoing Hemorrhage: The Art and Craft of Stopping Severe Bleeding*. Chad Ball and Elijah Dixon [Eds]. Springer, Heidelberg (October 2018; ISBN 978-3-319-63495-1)

4. **Leichtle, Stefan W** and Inaba, Kenji. "Physiologic Monitoring of Bleeding." in *Hemorrhagic Shock: Recognition, Pathophysiology and Management*. Jose L Pascual and Jeremy W Cannon [Eds]. Nova Science Publishers, Inc., New York 2017 (ISBN: 978-1-53610-964-1)

5. **Leichtle SW**, Aboutanos MA, and Ivatury R. "Critical Analysis of the Use of

Permissive Hypotension" in *Trauma Care*. Atila Velho and Rafael Brandao Ostermann [Eds]. Editora Atheneu, Brazil, 2017

6. Sood, Manak and **Leichtle, Stefan W** [Eds]. *The Essentials of Robotic Surgery*. Spry Publishing LLC, Ann Arbor (April 2013; ISBN-13: 978-193817012-6)

7. **Leichtle, Stefan W**. "PUMA, AESOP, ZEUS and daVinci – A History of Robotic Systems in Surgery" in *The Essentials of Robotic Surgery*. Stefan W. Leichtle and Manak Sood [Eds]. Spry Publishing LLC, Ann Arbor (April 2013; ISBN-13: 978-193817012-6)

8. **Leichtle, Stefan W**, Yang Amanda, and Cleary, Robert K. "Robotic Colon and Rectal Surgery" in *The Essentials of Robotic Surgery*. Stefan W. Leichtle and Manak Sood [Eds]. Spry Publishing LLC, Ann Arbor (April 2013; ISBN-13: 978-193817012-6)

9. Kapur, Seema, **Leichtle, Stefan W**, and Rhee, Daniel. "Robotic Systems in General Surgery" in *The Essentials of Robotic Surgery*. Stefan W. Leichtle and Manak Sood [Eds]. Spry Publishing LLC, Ann Arbor (April 2013; ISBN-13: 978-193817012-6)

10. **Leichtle, Stefan W** and Sood, Manak. "Coronary Revascularization" in *The Essentials of Robotic Surgery*. Stefan W. Leichtle and Manak Sood [Eds]. Spry Publishing LLC, Ann Arbor (April 2013; ISBN-13: 978-193817012-6)

Published Abstracts or Proceedings

1. Yeragunta Y, **Leichtle S**, Aguon J, Qiao R. *Quantification of Critical Care Medicine: An Interim Report*. Chest. 2016;149(4_S):A235

Scholarly Work Published in other Media

Peer Reviewed

Leichtle S, Lam L, Kwon E, Inaba K, Demetriades D. Anatomic Exposures in Trauma: Leg Fasciotomy. McGraw-Hill Medical AccessSurgery 2016
2016

Leichtle S, Kwon E, Inaba K, Demetriades D. Anatomic Exposures in Trauma: Cricothyroidotomy. McGraw-Hill Medical AccessSurgery 2016
2016

Leichtle SW. *Appendicitis during pregnancy*. Audio-Digest General Surgery 2015 Sep; 62(17); ISSN 1047-6954
09/2015

Non-Peer Reviewed

Leichtle SW for the Eastern Association of Trauma (EAST): *The Acute Care Surgeon - An Update*. EAST Careercast Interview with Dr. L.D. Britt. July 17, 2018, available at <https://www.east.org/career-management/careercasts/detail/1162/the-acute-care-surgeon-updated-an-interview-with-dr-ld-britt>
07/2018

Leichtle SW for the Eastern Association of Trauma (EAST): *Understanding and Negotiating the Contract*. EAST Careercast Interview with Dr. Alison Wilson. December 20, 2017, available at <http://www.east.org/career-management/careercasts/detail/142/understanding-and-negotiating-the-contract> and <https://www.youtube.com/watch?v=C5VErg8tyAk&t=5s>
12/2017

Leichtle SW for the Eastern Association of Trauma (EAST): *How (and why) to Become a Surgical Critical Care-Certified Emergency Medicine Physician?*. EAST Careercast Interview with Dr. Jay Menaker. May 8, 2017, available at <http://www.east.org/career-management/careercasts/detail/121/how-and-why-to-become-a-surgical-critical-carecertified-emergency-medicine-physician>
05/2017

Leichtle SW for the Eastern Association of Trauma (EAST): *The Ins and Outs of Applying for a Surgical Critical Care Fellowship*. EAST Careercast Interview with Dr. William Chiu. April 25, 2017, available at <http://www.east.org/career-management/careercasts/detail/119/the-ins-and-outs-of-applying-for-a-surgical-critical-care-fellowship>
04/2017

Papers Published in Journals that are not Peer Reviewed

1. **Leichtle SW**. *Social media: Threat to professionalism and privacy or essential for current surgical practice?* Bull Am Coll Surg. 2015 Nov;100(11):17. PMID: 26677530
2. Azoury SC, Bliss LA, Ward WH, Liepert AE, **Leichtle SW**. *Surgeons and social media: Threat to professionalism or an essential part of contemporary surgical practice?* Bull Am Coll Surg. 2015 Aug;100(8):45-51. PMID: 26419055
3. Ogunleye AA, Bliss LA, Kuy S, **Leichtle SW**. *Political advocacy in surgery: The case for individual engagement*. Bull Am Coll Surg. 2015 Aug;100(8):40-4. PMID: 26419054
4. **Leichtle SW**, Kaoutzanis C, Mouawad NJ. *The five-year general surgery residency: Reform or revolution?* Bull Am Coll Surg. 2014 Aug;99(8):49-52. PMID: 25145048
5. **Leichtle SW**, Sangji NF, Ward WH, Iyer P. *What does the ACA mean for residents and their future practice?* Bull Am Coll Surg. 2014 Aug;99(8):17-23. PMID: 25145043
6. Ellimoottil C, **Leichtle SW**, Wright CJ, Fakhro A, Arrington AK, Chirichella TJ, Ward WH. *Online physician reviews: the good, the bad and the ugly*. Bull Am Coll Surg. 2013 Sep; 98(9):34-9. PMID: 24455818
7. Liepert AE, **Leichtle SW**, Santin BJ. *Surgery at the End of Life: For Love or Money?* Bull Am Coll Surg 2012 Aug; 97(8):36-40. PMID: 22973747
8. **Leichtle SW**, Hartin CW. *Physician leadership and the future of surgery*. Bull Am Coll Surg 2012 May; 97(5):15-19. PMID: 22590790

Lay Press Interviews or Publications

1. Interview: VCU Health Live Chat, "What it means to be a trauma surgeon at a Level I trauma center"
Facebook Live Interview
VCU Medical Center
Richmond, VA

2. Interview: "Gun violence from a surgeon's perspective", by Katherine Lindemann for ResearchGate.com (December 2015)
at: <https://www.researchgate.net/blog/post/gun-violence-from-a-surgeons-perspective>
Los Angeles, CA

Patient Education Material

1. Patient Handout "The Health Risks of Being Overweight: Important Information for Your Stay at LAC+USC Medical Center", developed as surgeon representative of "Morbid Obesity Strike Team (MOST)" at LAC+USC Medical Center
Los Angeles, CA
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