



CURRICULUM VITAE

JONATHAN E. SCHOEN, MD, MPH, FACS, FABA

Current Title: Clinical Associate Professor of Surgery

Business Address: LSU Health – New Orleans
School of Medicine
Department of Surgery
Section of Trauma, Critical Care, Burns
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Citizenship: United States of America

Education

Undergraduate: Texas Christian University
Bachelor of Science – Biology
2003-2007

Graduate: LSUHSC New Orleans, School of Public Health
Masters of Public Health
Occupational and Environmental Health
2007-2009

Medical: LSUHSC New Orleans, School of Medicine
Doctor of Medicine
2009-2013

Internship: Ochsner Clinic Foundation – New Orleans, LA
General Surgery
2013-2014

Residency: Ochsner Clinic Foundation – New Orleans, LA
General Surgery
2014-2018

Jonathan E. Schoen, MD, MPH, FACS

Clinical Fellowships: LSUHSC New Orleans, School of Medicine
Surgical Critical Care Fellowship
2018-2019

Certification:

American Board of Surgery, Surgery, #063999,
Initial Certification: 2018
Expiration: Continuous Certification Ongoing

American Board of Surgery, Surgical Critical Care, #004622
Initial Certification: September 16, 2019
Reverification Date: January 5, 2025

Advanced Cardiac Life Support Provider
(certificate #1iay5jgzqarsimtejnimixjc, exp 2/28/2026)

Basic Life Support Provider
(certificate # s4mbf3fh9t81pmkxvyctenxy, exp 2/28/2026)

Advanced Trauma Life Support Provider
(certificate #3222761, exp 6/24/2027)

Advanced Trauma Life Support Instructor
(certificate #554012, exp 6/24/2027)

Advanced Burn Life Support Instructor
(certificate #640230, exp 5/20/2028)

Advanced Burn Life Support Provider
(certificate #144490, exp 5/24/2031)

Licensure:

Louisiana State Board of Medical Examiners

- #MD.208182, 8/5/2015 - present

Academic, Professional, and Research Appointments

Academic Appointment:

Administrative Co-Chief Resident, Ochsner Clinic Foundation General Surgery
Residency, 2018 - 2019

Jonathan E. Schoen, MD, MPH, FACS

LSU Health Shreveport School of Medicine, Department of Surgery, Clinical Assistant Professor – Gratis, 2019 - 2021

LSU Health New Orleans School of Medicine, Department of Surgery, Clinical Assistant Professor of Surgery, 2019 – present

LSUHSC School of Medicine at New Orleans Faculty Assembly, 3-year term (2024 - 2027)

Professional Appointments:

LCMC Health, University Medical Center New Orleans, ECMO Program Founder and Medical Director (2019 - 2023)

Ochsner-LSU Shreveport Health, Level 1 Trauma Center Trauma Surgeon/Critical Care Intensivist (2019 – 2021)

Southeast Louisiana Veterans Healthcare System, Surgical Intensive Care Unit Medical Director (2019 - present)

LCMC Health, University Medical Center New Orleans, Level 1 Trauma Center Surgical Intensivist and Trauma Surgeon (2019 - present)

North Oaks Health System, North Oaks Level II Trauma Center Surgical Intensivist and Trauma Surgeon (2020 - present)

LCMC Health, University Medical Center New Orleans, Burn Center Burn Surgeon (2022 - present)

LCMC Health, University Medical Center New Orleans Burn Center Medical Director (2024)

Additional Appointments:

Louisiana Emergency Response Network, Region 1 Regional Burn Care Representative (2023 - present)

Membership in Professional Organizations:

American College of Surgeons, Fellow-member #3222761, 2022 – present

American Burn Association, Fellow-member #67389971, 2023 – present

Southern Medical Association, member, 2023 – present

Awards and Honors:

Dean's Scholarship – Texas Christian University, College of Science and Engineering, 2003 - 2005

Jonathan E. Schoen, MD, MPH, FACS

Academic Fellowship – LSUHSC New Orleans School of Public Health, 2007 - 2009

LSUHSC School of Public Health, *Summa Cum Laude*, 2009

Delta Omega Public Health Honor Society, 2009

Area Health Education Center (AHEC) Summer Primary Care Fellowship, 2010

Richard M. Vial M.D. Memorial Scholarship – LSUHSC School of Medicine at New Orleans, 2011

VA Secretary Service Award – New Orleans VA Hospital, 2020

Stop-The-Line Patient Safety Award – New Orleans VA Hospital, 2021

TEACHING EXPERIENCE AND RESPONSIBILITIES

Creation of Enduring Teaching Materials:

2023, 2024	<u>Quick Reference Handbook for Burn Care</u> University Medical Center New Orleans Burn Center Description: Revisions prior to Burn Center Reverification in 2023 as well as prior to new faculty joining our team in 2024. Updated our clinical guidelines throughout the book, including but not limited to resuscitation guidelines, sepsis response, pre-operative care, administrative duties of the residents, and wound care.
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Courses Taught:

2018	Advanced Surgical Skills for Exposure in Trauma (ASSET). American College of Surgeons Committee on Trauma. LSUHSC School of Medicine Center for Advanced Practice. March 2018.
2023	Advanced Trauma Life Support (ATLS). American College of Surgeons Committee on Trauma. Tulane Advanced Simulation Center. October 2023.
2024	Advanced Burn Life Support (ABLS). American Burn Association. UMCNO Conference Center. April 2024. Advanced Burn Life Support (ABLS). American Burn Association. UMCNO Conference Center. May 2024. Advanced Trauma Life Support (ATLS). American College of Surgeons Committee on Trauma. Tulane Advanced Simulation Center. June 2024.

Jonathan E. Schoen, MD, MPH, FACS

Advanced Burn Life Support (ABLS). American Burn Association. UMCNO Conference Center. August 2024.

Post-Doctoral or Post-Residency Fellows Trained:

2019 to 2020	Alexander C. Cavalea, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
	Willard W. Mosier Jr., MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
2020 to 2021	Tommy Brown, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
	Brett Chapman, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
2021 to 2022	Ryan Boudreau, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
	Steven Anthony Zimmerman, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
2022 to 2023	Caitlyn McCall, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
	Blake Platt, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
2023 to 2024	Samantha Baker, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans
	Christa Zino, MD Trauma/Critical Care Surgery Fellow LSUHSC School of Medicine New Orleans

Graduate Research Students Trained:

2023 to present	Anastasiya Ivanko, MS Topics: Surgeon Wellness and Career Considerations, Improving Estimates of Burn Injury Prevalence
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Clinical Rotation Lead:

2019 to present Faculty lead for residents and fellows rotating on the Surgical ICU/Acute Care Surgery Service at the New Orleans VA Hospital. Five residents on-service from both Tulane and LSU Surgery as well as from surgical subspecialty programs.

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

1. Title: Expanded Proof of Concept Study with DeepView Devices for Analyzing the Capability of Detecting Burn Healing Potential

Date: 11/01/2019 to 10/01/2022 Role: Sub-Investigator
Study #: CT-190215-CSP-02 Award: \$1,615,388.00
Sponsor: Biomedical Advanced Research Development Authority
Scope: The purpose of this study is to continue development and validation of a machine learning algorithm for burn healing assessment by the Spectral MD DeepView devices and provide burn healing potential assessment.
2. Title: Effectiveness of KeraStat Gel for Improved Cosmesis of Partial-Thickness Burns

Date: 07/01/2020 to current Role: Sub-Investigator
Study #: W81XWH-13-C-0052 Award: \$164,850.00
Sponsor: Department of Defense
Scope: The purpose of this study is to assess a solution applied during wound healing and remodeling to reduce or prevent hypertrophic scars.
3. Title: A multicenter, open label, study of Stratagraft skin tissue in adult subjects with deep partial-thickness thermal burns

Date: 07/01/2020 to current Role: Sub-Investigator
Study #: MNK01053115 Award: \$164,100.00
Sponsor: Biomedical Advanced Research Development Authority
Scope: The purpose of this study is to assess scar quality and wound closure using Stratagraft Skin tissue which is a bioengineered allogenic graft in deep partial-thickness burn injuries.
4. Title: CutE GRAFT (Cutis ExVivo Graft Resiliency Assessment and Function Trial)

Date: 07/01/2020 to current Role: Sub-Investigator
Study #: 9978-UMC-NO Award: \$12,510.00
Sponsor: Avita Medical LLC

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Scope: The purpose of this study is to assess the integrity of cutis grafts harvested mechanically versus enzymatically as compared to a control for the purpose of supporting provisional patents of novel hernia repair techniques.

5. Title: Use of NexoBrid for Treatment of Acute Deep Partial and Full Thickness Burn Injuries

Date: 10/21/2020 to 3/6/2024 Role: Sub-Investigator
Study #: NCT04040660 Award: \$130,868.00
Sponsor: Mediowound, Ltd; Biomedical Advanced Research and Development Authority (BARDA)
Scope: The purpose of this study is to investigate the use of an enzymatic wound preparation for the purpose of debriding burn wounds non-surgically.

6. Title: A Pivotal Study to Assess the Safety and Effectiveness of Novosorb Biodegradable Temporizing Matrix (BTM) in the Treatment of Severe Burn Skin Injuries

Date: 7/21/2021 to present Role: Sub-Investigator
Study #: LSU-IRB-1933 Award: \$181,262.00
Sponsor: Polynovo Inc.
Scope: The purpose of this study is to investigate the safety and efficacy of a novel dermal substitute in the management of severe burn injuries when compared to the standard of care.

7. Title: DeepView SnapShot Portable (DV-SSP): Device Training Study

Date: 8/12/2021 to 8/17/2023 Role: Sub-Investigator
Study #: NCT05023135 Award: \$1,922,718.00
Sponsor: Spectral MD, Inc.
Scope: The purpose of this study is to continue the development and validation of an algorithm for burn healing assessment by the Spectral MD DeepView device and provide burn healing potential assessment.

8. Title: Model Epicel: A Culture Epidermal Autograft (CEA) for Deep Dermal or Full Thickness Burns with a TBSA of 30% or Greater

Date: 2/25/2022 to present Role: Sub-Investigator
Study #: HUD-LSU IRB #2272 Award: unfunded (humanitarian use)
Scope: The purpose of this study is to satisfy the federal requirement of IRB approval for the use of humanitarian use devices (HUDs) in the cases of rare diseases or conditions.

9. Title: Comparing Outcomes of Gastrostomy Tube Placement Techniques and Timing Protocols – A retrospective, single-center study

Date: 10/18/2022 to present Role: Sub-Investigator
Study #: LSU IRB #4760 Award: unfunded

Scope: The purpose of this study is to examine outcomes of gastrostomy tube placement across techniques utilized by different specialties and practitioners at a single institution (UMCNO).

10. Title: DeepView Snapshot Handheld (DV-H) Comparison Study Protocol

Date: 11/28/2022 to 1/10/2024 Role: Sub-Investigator
Study #: LSU IRB #4812 Award: \$195,537.50
Sponsor: Spectral MD, Inc.
Scope: The purpose of this study is to demonstrate that the proposed SA-MSI sensor is equivalent or better than the current LC-MSI sensor of the DeepView Snapshot system.

11. Title: Randomized Controlled Trial Assessing a Novel Glycopolymer Compound in the Treatment of Superficial Partial Thickness Burns

Date: 2/2/2023 to present Role: Sub-Investigator
Study #: NCT05877638 Award: \$56,490.00
Sponsor: Synedgen, Inc.
Scope: The purpose of this study is to test the safety and effectiveness of SynePure Wound Cleanser when used in combination with Catasyn Advanced Technology Hydrogel for the treatment of superficial partial-thickness burn wounds.

12. Title: A Phase 2, Open-Label, Randomized, Active-Controlled Pilot Study of Investigational Drug, MWIII versus Silvadene Cream 1% (Silver Sulfadiazine) Topically applied to Second-Degree Thermal Burns in Adults

Date: 5/21/2024 to present Role: Sub-Investigator
Study #: NCT01297400 Award: \$22,363.00 per patient
Sponsor: Skingenix, Inc.
Scope: The purpose of this study is to compare MW-III to Silvadene Cream 1% (Silver Sulfadiazine) with respect to “time to healing” of a partial thickness target thermal burn.

13. Title: Training Study with DeepView Devices for Analyzing the Capability of Detecting Burn Healing Potential

Date: Current Role: Sub-Investigator
Study #: in submission Award: \$1,922,718.00 (co-funded with 7)
Sponsor: Biomedical Advanced Research Development Authority
Scope: The purpose of this study is to continue development and validation of a machine learning algorithm for burn healing assessment by the SpectralMD DeepView devices and provide burn healing potential assessment. Contract is awarded to SpectralMD with peer institutions Massachusetts General Hospital, Yale, Medical University of South Carolina, Wake Forest Baptist Health, Medstar/Georgetown University, University of Alabama Birmingham, Drexel University, Maricopa County Healthcare System, Children’s Hospital of New Orleans, and Stony Brook University. USG Contract No. 75A50119C00033

14. Title: DeepView Assessment of Traumatic/Soft Tissue Injuries

Date: Current Role: Co-Investigator
Study #: in submission Award: \$1,100,000.00
Sponsor: Department of Defense STTR Contract
Scope: The purpose of this study is to assess soft tissue injuries with multispectral imaging and machine learning. Over 41% of combat care involves soft tissue injuries. Prior studies have demonstrated that multispectral imaging using machine learning is a non-contact device that can determine viable and nonviable tissue without exposing the patient to radiation. The use of such a device would help triage wound warriors and potentially expediate indicated care.

15. Title: Use of Phillips Lumify Point-of-Care Handheld Ultrasound to Identify Smoke Inhalation Lung Injury

Date: 12/6/22 to present
Study #: LSU-IRB-4689
Sponsor: Biomedical Advanced Research Development Authority
Role: Sub-Investigator
Award: \$92,644.00
Scope: Inhalation injury is a leading cause of death in burn injuries. Early diagnosis and treatment of inhalation injury aids clinicians treating victims of house fires and wildfires. The purpose of this multi-center study is to determine if lung inhalation injury results in lung ultrasound abnormalities by collecting images and using artificial intelligence deep learning algorithms to detect trends in patients suffering inhalation injury.

16. Title: Performance Evaluation of DeepView AI-BURNS for Assessment of Thermal Burn Healing Potential

Date: Current
Study #: Pending
Sponsor: Spectral AI
Scope: The purpose of this study is to validate the algorithm for burn healing assessment by the Spectral MD DeepView device which would provide burn healing potential assessment.

17. Title: MTX Early Disposition Study

Date: Current	Role: Principle Investigator
Study #: Pending	Award: \$33,000.00
Sponsor: Polynovo Inc.	
Scope: Full thickness burn injuries are a major cause of prolonged hospitalization and morbidity. An FDA-approved biodegradable synthetic wound matrix from Polynovo Inc named MTX is being investigated to determine if it can be applied at initial excision and skin grafted on a shorter timeline than traditional dermal substitutes can be grafted in order to expedite discharge from the hospital and ultimate wound closure.	

Journal Publications

Refereed:

1. *Four-Year Analysis of a Novel Milestone-Based Assessment of Faculty by General Surgical Residents.* **Schoen J**, Fuhrman G, Adolph V, Brown R, Rivere A, Smith T. Journal of Surgical Education. Nov, 2018; 75(6):e126-e133.
2. *Predictors of Inappropriate Helicopter Transport.* Brown C, Irfan W, **Schoen J**, Marr A, Stuke L, Cavalea A, Mosier W, Rogers C, Greiffenstein P, Moore M, Hunt J. The American Surgeon. Sept, 2020; 15;3134820951423.
3. *Maintaining Trauma Center Operational Readiness During a Pandemic.* Cavalea A, McGooey R, Schroll R, McGrew P, **Schoen J**, Stuke L, Guidry C, Marr A, Duchesne J, Hunt J. American Journal of Disaster Medicine. 16(1):25-34. January 2021. DOI: 10.5055/ajdm.2021.0383.
4. *Compression of the Right Atrium and Inferior Vena Cava from an Extrahepatic Biloma Following Liver Trauma.* Thrash B, Smith A, Fairchild A, Ustunsoz B, Brown T, Chapman B, Hunt J, Marr A, Stuke L, **Schoen J**, Greiffenstein P. The American Surgeon. 88(3): 000313482110347. July 2021. DOI: 10.1177/00031348211034757.
5. *Discrepancies in Mass Shootings and Access to Trauma Care Across the United States, 2014-2018.* Beiter K, Smith A, Scharf P, Chapman B, Brown T, **Schoen J**, Stuke L, Greiffenstein P, Marr A, Hunt J. Journal of the American College of Surgeons 233(5):S291 November 2021. DOI: 10.1016/j.jamcollsurg.2021.07.603
6. *Does Time to Pelvic Fixation Influence Outcomes in Trauma Patients?* Taylor N, Smith A, Marr A, Stuke L, Greiffenstein P, **Schoen J**, Brown T, Chapman B, Hunt J. The American Surgeon. 88(5):000313482110562 November 2021. DOI: 10.1177/00031348211056266.
7. *How Did the COVID-19 Pandemic Affect Trauma Volume at an Urban Level I Trauma Center?* Hahn A, Brown T, Chapman B, Marr A, Stuke L, Greiffenstein P, **Schoen J**, Hunt J, Smith A. The American Surgeon. 88(4):000313482110540 January 2022. DOI: 10.1177/00031348211054075.
8. *1526: ECMO And The Vanishing Bullet: Case Report of a Bullet Embolus To The Pulmonary Artery.* Brown T, Carr B, Mittal S, Chapman B, Risher W, Marr A, Stuke L, Greiffenstein P, **Schoen J**, Smith A, Hunt J. Critical Care Medicine. 50(1):767-767 January 2022. DOI: 10.1097/01.ccm.0000812428.79774.0b.
9. *Mass Shootings in the United States: Results from a Five-Year Demographic Analysis.* Cavalea A, Tedesco A, Leonard J, Hunt J, **Schoen J**, Smith A, Greiffenstein P, Marr A, Stuke L. Injury. 53(10). January 2022. DOI: 10.1016/j.injury.2022.01.004.
10. *Prehospital Tourniquets Placed on Limbs Without Major Vascular Injuries, Has the Pendulum Swung Too Far?* Legare T, Schroll R, Hunt J, Duchesne J, Marr A, **Schoen J**, Greiffenstein P, Stuke L, Smith A. The American

Surgeon. 88(2):000313482210889. April 2022.
DOI: 10.1177/00031348221088968.

11. *Proposed Treatment Algorithm for Invasive Fungal Infections in Trauma Patients*. Nebeluk N, Bruno L, Duke M, Craig R, Love G, Hunt J, Marr A, **Schoen J**, Stuke L, Greiffenstein G, Smith A. Surgical Infections 23(6). June 2022.
DOI: 10.1089/sur.2021.325.
12. *Impact of Increased Enoxaparin Dosing on Anti-Xa Levels for Venous Thromboembolism Prophylaxis in Trauma Patients*. Bellfi L, Zimmerman S, Boudreau R, Mosier W, Smith A, Rueb N, Hunt J, Stuke L, Greiffenstein P, **Schoen J**, Marr A. The American Surgeon. 88(23):000313482210919. July 2022. DOI: 10.1177/00031348221091935.
13. *Perioperative Fluid Management in Surgical Patients: A Review*. Cao A, Bellfi L, **Schoen J**, Greiffenstein P, Marr A, Stuke L, Hunt J, Pino R, Smith A. The American Surgeon. August 2022. DOI: 10.1177/00031348221121565
14. *Prehospital Ketamine Administration for Trauma Patients Results in More Emergency Department Intubations*. Taylor N, Bellfi L, Aiken J, Stuke L, Greiffenstein P, **Schoen J**, Hunt J, Marr A, Smith A. Journal of the American College of Surgeons. 235(5):S292-S293. October 2022.
DOI:10.1097/01.XCS.0000895304.23446.76
15. *1287: Methicillin-Resistant Staphylococcus Aureus Nares Screen Leads To Vancomycin De-escalation In Trauma*. Bellfi L, Riggs A, Waguespack T, Boudreau R, Zimmerman S, Duchesne J, McGrew P, Hunt J, Stuke L, Greiffenstein P, **Schoen J**, Marr A, Smith A. Critical Care Medicine. 51(1):643-643 December 2022. DOI: 10.1097/01.ccm.0000910884.50525.17
16. *Supporting Cardiac Perfusion by pREBOA with Reduced Visceral Ischemia Despite Extended Occlusion*. Deville P, Hunt J, Marr A, Stuke L, Greiffenstein P, **Schoen J**, Smith A. Journal of Endovascular Resuscitation and Trauma Management. Feb 2023. DOI: 10.26676/jevtm.270
17. *Reduction of Distal Ischemia with pREBOA-PRO in a Trauma Laparotomy Requiring Extended Occlusion Time*. Foley K, Hunt J, Marr A, Stuke L, Greiffenstein P, **Schoen J**, Smith A. Journal of Endovascular Resuscitation and Trauma Management. Feb 2023. 7(1): 39-40. DOI: 10.26676/jevtm.277.
18. *Does Vehicle Intrusion Alone Still Predict Injury: A Retrospective Analysis of Mechanism as Trauma Activation Criteria*. Travis H, Platt B, Muramoto S, Smith A, Hunt J, Stuke L, Greiffenstein P, **Schoen J**, Marr A. The American Surgeon. Mar 2023. 89(8): 31348231161703. DOI: 10.1177/00031348231161703.
19. *The COVID-19 Pandemic and its Impact on Mass Shootings in Six Major US Cities*. Smith A, Fitzpatrick-Schmidt T, Beiter K, Cavalea A, Scharf P, **Schoen J**, Stuke L, Greiffenstein P, Marr A, Tedesco A, Hunt J. Injury. 54(9). Published Online. DOI: 10.1016/j.injury.2023.04.053.

20. *An Assessment of Current Practice Patterns of Tissue Plasminogen Activator Versus Video Assisted Thoracoscopic Surgery for Retained Hemothorax in Trauma Patients at a Level 1 Trauma Center.* Burger M, Foley K, Babin C, Ledet D, Waguespack M, Smith A, Hunt J, **Schoen J**, Greiffenstein P, Stuke L, Marr A. American Thoracic Society 2023 Conference Papers. B46 Other Specialties in the ICU: Topics in Nephrology, Hematology/Oncology, and more. May 2023. A3462. DOI: 10.1164/ajrccm-conference.2023.207.1_meetingabstracts.A3462.
21. *Comparison of Ramage and Non-Ramage Mass Shootings in the US: A 5-Year Demographic Analysis.* Cavalea A, Tedesco A, Leonard J, Hunt J, Smith A, Danos D, **Schoen J**, Marr A, Greiffenstein P, Stuke L. Injury. May 2023. 54(10). DOI: 10.1016/j.injury.2023.05.020.
22. *Traumatic Breast Injuries in High-Risk Communities.* Vazquez-Perez A, Deville P, Hargis M, Hunt J, Marr A, Stuke L, **Schoen J**, Greiffenstein P, Smith A. The American Surgeon. May 2023. 89(12): 6351-6352. DOI: 10.1177/00031348231174020.
23. *Venovenous Extracorporeal Membrane Oxygenation Usage Following Bullet Embolism to the Pulmonary Artery.* **Schoen J**, Carr B, Ali M, Chapman B, Marr A, Stuke L, Greiffenstein P, Hunt J, Deville P, Smith A. Ochsner Journal. Sept 2023. Published ahead of print. DOI: 10.314486/toj.23.0027.
24. *Scientific Opinion on the Risks of Drug Shortages on Burn Care.* Ivanka A, Dewitt A, **Schoen J**, Phelan H, Hill D, Carter J. Journal of Burn Care Research. 45(1) 253-255. Nov 2023. DOI: 10.1093/jbcr/irad174.
25. *Impact of Ethanol Intoxication on Adipose-Derived Stem Cell Paracrine Factors in Major Burn Patients.* Dennis J, Warren O, Fontenot C, Carter J, Phelan H, **Schoen J**, Siggins R, McTernan P, Smith A. Alcohol. 113: 58-59. Dec 2023. DOI: 10.1016/j.alcohol.2023.10.011
26. *The Impact of Pre-Trauma Steroid Use on Wound Healing and Outcomes.* Derouen K, Aleman S, Travis H, Hunt J, Marr A, Greiffenstein P, Stuke L, **Schoen J**, Smith A. The American Surgeon. 2024;0(0). Mar 2024. DOI: 10.1177/00031348241241710.
27. *Chest Tube Size Selection: Evaluating Provider Practices, Treatment Efficacy, and Complications in Management of Thoracic Trauma.* Messa G, Fontenot C, Deville P, Hunt J, Marr A, **Schoen J**, Stuke L, Greiffenstein P, Smith A. The American Surgeon. 90(6):31348241241735. April 2024. DOI: 10.1177/00031348241241735.
28. *The Burden of Burns: An Analysis of Public Health Measures.* Ivanko A, Garbuzov A, **Schoen J**, Kearns R, Phillips B, Murata E, Danos D, Phelan H, Carter J. Journal of Burn Care Research. Irae053, April 2024. DOI: 10.1093/jbcr/irae053.
29. *Risk Factors for Empyema Following Penetrating Diaphragm Injuries.* Rewerts L, Stuke L, Hunt J, Marr A, Schoen J, Greiffenstein P, Smith A. The American Surgeon. 0(0). April 2024. DOI: 10.1177/00031348241248700.

30. *Traumatic Abdominal Wall Hernia: Management Using a Standardized Approach*. Mejia-Morales H, Lee S, Reed T, Greiffenstein P, **Schoen J**, Stuke L, Hunt J, Marr A, Harrell K, Smith A. The American Surgeon. 0(0). April 2024. DOI: 10.1177/00031348241256060.
31. *Empowering Emergency Responders to Treat on Scene Alleviates Hospital Strain During Disaster Events*. Ivanko A, **Schoen J**, Lacy E, Flores C, Kearns R, Phelan H, Carter J. Journal of Burn Care Research. 45-supplement1. May 2024. DOI: 10.1093/jbcr/irae036.098.
32. *The Consequences of a Career in Burn Surgery: An Economic Analysis to Aid Prospective Clinicians*. Carter J, Ivanko A, **Schoen J**, Phelan H, Hickerson W, Kearns R. Journal of Burn Care Research. 45-supplement1. May 2024. DOI: 10.1093/jbcr/irae036.101.
33. *Influence of Co-Morbid Modifiable Risk Factors on Adipose-Derived Stem Cell Paracrine Factors in Burn Patients*. Robinson J, Dennis J, Trinh S, Fontenot C, Phelan H, Carter J, **Schoen J**, Smith A. Journal of Burn Care Research. 45-supplement1. May 2024. DOI: 10.1093/jbcr/irae036.019.
34. *Use of the Burn Care Quality Platform (BCQP) for Modern Burn Care Benchmarking*. Lechtenberg M, Carter J, Danos D, Phillips B, Murata E, **Schoen J**, Phelan H. Journal of Burn Care Research. 45-supplement1. May 2024. DOI: 10.1093/jbcr/irae036.277.
35. *Global Health Experience Among General Surgery Residents': Experience, Attitudes, and Barriers*. Fitzpatrick-Schmidt T, Leonardi C, Norlin C, Beiter K, Stuke L, Brown T, Marr A, Greiffenstein P, **Schoen J**, Hunt J, Smith A. The American Journal of Surgery. 3:S0002-9610(24)00268-X. May 2024. DOI: 10.1016/j.amsurg.2024.05.001.
36. *Does the use of Double Hormone Replacement Therapy for Trauma Patient Organ Donors Improve Organ Recovery for Transplant*. Gallegos E, Reed T, Deville P, Platt P, Lenoardi C, Bellfi L, Dufrene J, Chaudhary S, Hunt J, Stuke L, Greiffenstein P, **Schoen J**, Marr A, Paramesh A, Smith A. World Journal of Transplantation. 14(2). June 2024. DOI: 10.5500/wjt.v14.i2.89825.
37. *Cytokine Profile of Adipose-Derived Stem Cells From Patients With Burn Injuries and Infection*. Trinh S, Dennis J, Warren O, Hobden J, **Schoen J**, Phelan H, Carter J, Smith A. Journal of Surgical Research. 13;301:656-663. Aug 2024. DOI: 10.1016/j.jss.2024.07.022.

Government Reports:

"Health Risks Among Louisiana Adults: 2007—A Report from the Behavioral Risk Factor Surveillance System". Griffin T, Lawhorn NN, **Schoen JE**. Louisiana Department of Health and Hospitals, Bureau of Primary Care and Rural Health. Centers for Disease Control and Prevention. May 2009.

Book Chapters:

1. "Penetrating Trauma: A Practical Guide on Operative Technique And Peri-Operative Management: Large and Small Bowel". **Schoen J**, Phelan H. Chapter in: Penetrating Trauma: A Practical Guide on Operative Technique And Peri-Operative Management. 3rd Edition. pp. 441-446. Heidelberg, London, New York: Springer; 2023.
2. "Penetrating Trauma: A Practical Guide on Operative Technique And Peri-Operative Management: Burn". **Schoen J**, Phelan H, Mooney J. Chapter in: Penetrating Trauma: A Practical Guide on Operative Technique And Peri-Operative Management. 3rd Edition. pp. 651-660. Heidelberg, London, New York: Springer; 2023.
3. "Penetrating Trauma: A Practical Guide on Operative Technique And Peri-Operative Management: Crush Injuries". **Schoen J**, Phelan H. Chapter in: Penetrating Trauma: A Practical Guide on Operative Technique And Peri-Operative Management. 3rd Edition. pp. 661-669. Heidelberg, London, New York: Springer; 2023.

Invited Presentations and Seminars:

1. "Trauma in Pregnancy: Anatomic, Physiologic, and Other Considerations in Altering Their Management." **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Feb 2019.
2. "Ballistics in Trauma: How Projectile Characteristics Alter Injury Patterns". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Mar 2019.
3. "Traumatic Injuries of the Colon and Rectum". **Schoen J.** Presented at LSU Colorectal Surgery Clinical Fellow Didactics. March 2019.
4. "Pelvic Penetrating Trauma". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Apr 2019.
5. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. May 2019.
6. "Calls from the Floor and Surviving Intern Year". **Schoen J.** Presented during Intern Bootcamp Orientation. July 2019.
7. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Oct 2019.
8. "Surgical Critical Care ABSITE Review". **Schoen J.** Presented at LSU Department of Surgery Resident Didactics. Jan 2020.

9. "Trauma in Pregnancy: Anatomic, Physiologic, and Other Considerations in Altering Their Management." **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Feb 2020.
10. "Traumatic Injuries of the Colon and Rectum". **Schoen J.** Presented at LSU Colorectal Surgery Clinical Fellow Didactics. May 2020.
11. "Calls from the Floor and Surviving Intern Year". **Schoen J**, Zagory J. Presented during Intern Bootcamp Orientation. July 2020.
12. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Aug 2020.
13. "Trauma in Pregnancy: Anatomic, Physiologic, and Other Considerations in Altering Their Management." **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Sept 2020.
14. "Ballistics in Trauma: How Projectile Characteristics Alter Injury Patterns". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Oct 2020.
15. "Surgical Critical Care ABSITE Review". **Schoen J.** Presented at LSU Department of Surgery Resident Didactics. Jan 2021.
16. "Traumatic Injuries of the Colon and Rectum". **Schoen J.** Presented at LSU Colorectal Surgery Clinical Fellow Didactics. March 2021.
17. "Essentials of ECMO for Critical Care Attendings". Tulane Pulmonary Critical Care Grand Rounds. **Schoen J.** Tulane University School of Medicine. Apr 2021.
18. "Calls from the Floor and Surviving Intern Year". **Schoen J**, Zagory J. Presented during Intern Bootcamp Orientation. July 2021.
19. "Essentials of ECMO for Emergency Department Attendings". LSU Department of Emergency Medicine Grand Rounds. **Schoen J.** LSU Health Sciences Center New Orleans. July 2021.
20. "Ballistics in Trauma: How Projectile Characteristics Alter Injury Patterns". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Oct 2021.
21. "Extracorporeal Membrane Oxygenation (ECMO) Program Development, Considerations, Pitfalls, and Other Insights". **Schoen J.** *East Jefferson General Hospital Grand Rounds.* Aug 2021.
22. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Dec 2021.

23. "Surgical Critical Care ABSITE Review". **Schoen J.** Presented at LSU Department of Surgery Resident Didactics. Jan 2022.
24. "Trauma in Pregnancy: Anatomic, Physiologic, and Other Considerations in Altering Their Management." **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Feb 2022.
25. "Traumatic Injuries of the Colon and Rectum". **Schoen J.** Presented at LSU Colorectal Surgery Clinical Fellow Didactics. March 2022.
26. *Mini-Session: Potpourri.* Moderator: **Schoen J.** 71st Annual Meeting of the Louisiana Chapter of the American College of Surgeons. March 19, 2022.
27. "Extra-Corporeal Life Support Systems: History, Uses, Management, and Innovations." **Schoen J.** LSUHSC School of Medicine, Department of Surgery Grand Rounds. June 2022.
28. "Extra-Corporeal Life Support Systems: History, Uses, Management, and Innovations." **Schoen J.** Veterans Health Administration, National Surgery Office Educational Series Webinar. June 2022.
29. "Calls from the Floor and Surviving Intern Year". **Schoen J, Zagory J.** Presented during Intern Bootcamp Orientation. July 2022.
30. "Essentials of ECMO for Critical Care and Burn Nurses." **Schoen J.** Burn Educational Series, University Medical Center Verified Burn and Trauma Center. Sept 2022.
31. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Oct 2022.
32. "Trauma in Pregnancy: Anatomic, Physiologic, and Other Considerations in Altering Their Management." **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Oct 2022.
33. "Ballistics in Trauma: How Projectile Characteristics Alter Injury Patterns". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Dec 2022.
34. "Extracorporeal Membrane Oxygenation (ECMO) In Trauma Patients and Novel Uses of ECMO in Field Medical Care". **Schoen J.** Presented at East Jefferson Emergency Medical Services Educational Series. Dec 2022.
35. "Surgical Critical Care ABSITE Review". **Schoen J.** Presented at LSU Department of Surgery Resident Didactics. Jan 2023.
36. "Traumatic Injuries of the Colon and Rectum". **Schoen J.** Presented at LSU Colorectal Surgery Clinical Fellow Didactics. March 2023.

37. "Building a Multi-Disciplinary ECMO Program: A Single Center's Experience." **Schoen J.** June 2023, Industry Webinar for LivaNova Tandem Circulatory Support, honorarium requested to Spirit of Charity Foundation—unable to be paid due to corporate restrictions.
38. "Calls from the Floor and Surviving Intern Year". **Schoen J**, Smith A. Presented during Intern Bootcamp Orientation. July 2023.
39. "Trauma in Pregnancy: Anatomic, Physiologic, and Other Considerations in Altering Their Management." **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Nov 2023.
40. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Dec 2023.
41. "Surgical Critical Care ABSITE Review". **Schoen J.** Presented at LSU Department of Surgery Resident Didactics. Jan 2024.
42. "When the Road Gets Rocky: Lessons Learned Using BTM and When It Doesn't Go Perfectly". **Schoen J.** Industry Presentation (1 hour), honorarium paid to Spirit of Charity Foundation by Polynovo Inc. Feb 2024.
43. "Troubleshooting Bilayer Absorbable Synthetic Wound Matrix (BTM) in the Management of Burn and Traumatic Injuries". **Schoen J.** Presented at Polynovo Inc. National Sales Meeting – Minneapolis, Minnesota. Jul 2024.
44. "Surgeon Panel: Experience and Opinions in Using Polynovo Products". **Schoen J.** Presented at Polynovo Inc. National Sales Meeting – Minneapolis, Minnesota. Jul 2024.
45. "Extra-Corporeal Membrane Oxygenation: Indications, Contraindications, Special Consideration, and Management in the Trauma Population". **Schoen J.** Presented at UMCNO Trauma ICU Resident and Fellow Didactics. Aug 2024.
46. "Burns: Essentials of Burn Care in the Pre-Hospital and Community Hospital Setting". Flores C, **Schoen J.** Presented at St. Tammany Parish Health System Trauma Symposium. Aug 2024.

Scientific Presentations:

1. *Four-Year Analysis of a Novel Milestone-Based Assessment of Faculty by General Surgical Residents.* **Schoen J**, Fuhrman G, Adolph V, Brown R, Rivere A, Smith T. Western Surgical Association Annual Meeting, Nov 2017, Poster Presentation.
2. *Four-Year Analysis of a Novel Milestone-Based Assessment of Faculty by General Surgical Residents.* **Schoen J**, Fuhrman G, Adolph V, Brown R, Rivere A, Smith T. Surgical Education Week/Association of Program Directors in Surgery Annual Meeting. May 2018, Podium Presentation (30-minutes).

3. *The Use of Murray Score in Adult Respiratory Distress Syndrome to Guide Initiation of Airway Pressure-Release Ventilation*. **Schoen J**, Hunt J, Duchesne J. LSUHSC New Orleans Quality Improvement Forum. May 2019, Poster Presentation.
4. "The Borders of Burns: A Geospatial and Population Analysis of Burn Center Coverage and Mortality". **Schoen J**, Danos D, Phelan H, Carter J. John A. Boswick Burn and Wound Symposium. Jan 2024, Podium Presentation (15 minutes).
5. "Etherified Sodium Carboxymethyl Cellulose Use in Treatment of Burn Graft Donor Sites". **Schoen J**. April 2024, Industry Presentation (1 hour), honorarium paid to Spirit of Charity Foundation by LifesciencePLUS Inc.
6. "When the Road Gets Rocky: Lessons Learned Using BTM and When It Doesn't Go Perfectly". **Schoen J**. April 2024, Industry Presentation to team members of the Hennepin Healthcare Burn Center (2.5 hours), honorarium paid to Spirit of Charity Foundation by Polynovo Inc, creators of Biodegradable Temporizing Matrix (BTM), with whom we have a research partnership at LSU/UMCNO.

SERVICE ACTIVITIES

University/Institutional Service

Departmental committees:

Trauma Critical Care Fellowship Interview Committee (2019 – present)

General Surgery Residency Interview Committee (2019 – present)

Trauma Program Evaluation Committee (2019 – present)

LSUHSC (campus) committees:

Camp Tiger Auction Committee, LSUHSC New Orleans, 2009 - 2010

Camp Tiger Planning Committee, LSUHSC New Orleans, 2009 - 2010

Hospital committees:

Trauma Performance Improvement Committee, UMCNO (2018 – present)

ECMO/Advanced Circulatory Support Committee, UMCNO (2019 – present)

Critical Care Committee, New Orleans VA Hospital (2019 – present)

Pandemic Advisory Committee, New Orleans VA Hospital (2020 – present)

Jonathan E. Schoen, MD, MPH, FACS

Nutrition Committee, New Orleans VA Hospital (2021 – present)

Ethics Committee, New Orleans VA Hospital (2021 – present)

Burn Performance Improvement Committee, UMCNO Burn Center (2022 – present)

Central Line Committee, UMCNO (2022 – present)

Disaster Preparedness Committee, UMCNO Burn Center (2023 – present)

Surgery Operations Committee, UMCNO (2023 – present)

Communications Committee, UMCNO (2023 – present)

Special assignments: – ad hoc task forces/working groups, projects, etc.

ECMO Program Development Task Force, UMCNO (2018 – 2019)

Integrated Project Team – Cardiac Surgery, New Orleans VA Hospital (2020 – present)

Integrated Project Team – Intracranial Neurosurgery, New Orleans VA Hospital (2020 – present)

Root Cause Analysis Working Group, New Orleans VA Hospital (2021)

High Risk Surgery Working Group, New Orleans VA Hospital (2021 – present)

Root Cause Analysis Working Group, New Orleans VA Hospital (2022)

Central Line and Vascular Access Working Group, UMCNO (2022 – present)

Burn Infection Control and Prevention Working Group, UMCNO Burn Center (2022 – present)

UMCNO Magnet Status Application Physician Committee (2023)

Senior Director of Perioperative Services Interview Workgroup, UMCNO (2023)

Clinical Service

In-Patient Service Activities:

Trauma ICU: One week of coverage every third month (2019 - 2022)

Trauma: one weekend of rounding coverage per month (2019 – 2023)

ECMO: Rounding responsibilities every day that a patient is on ECMO (approximately 5% of the year) (August 2020 – present)

VA SICU/Acute Care: 2 weeks out of a 5 week rotating schedule covering inpatient care of the SICU and Acute Care Surgery (2019 - 2022), and 2 weeks out of a 7 week rotating schedule for the same (2023 - present)

Burn: Responsibilities include inpatient rounds, burn activation response, inpatient operative cases, conscious sedation for burn wound care. One week per month from 2/2022 – 2/2023, followed by three weeks per month since 2/2023. (Feb 2022 – present)

Clinic Coverage:

Trauma: Intermittent coverage of once-weekly trauma clinic (2019 – present)

VA General Surgery: Intermittent coverage of clinic when elective general surgeons require coverage (2019 – present)

Burn: Supervisory of burn residents and physician assistants in the burn clinic when on inpatient service, 1-2 weeks per month (Feb 2022 – present)

Call:

Trauma Back-up: 1 week of trauma back-up coverage every third month (2019 - 2022)

VA SICU/Acute Care: call 2 weeks out of a 5 week rotating schedule covering SICU and Acute Care Surgery Consults (2019 - 2022), and 2 weeks out of a 7 week rotating schedule for the same (2023 - present)

Trauma: 1-2 days of 24-hour call per month (2019 – present)

ECMO: Consult call every third night and every third weekend;
Cannulation Call: 24-7-365 (August 2020 – present)

Administrative Responsibilities

Hospital:

Jonathan E. Schoen, MD, MPH, FACS

Medical Director, Adult ECMO Program UMCNO – creation of protocols, meeting with stakeholders, maintaining registry of patients, 2019 – 2023 (continued as trauma physician lead thereafter).

Surgical ICU Director, New Orleans VA Hospital – creation of protocols, startup of new surgical specialty programs, creation of performance improvement programs, maintaining 24/7 resident and faculty coverage, responding to patient safety concerns, 2019 – present.

Community Service Activities:

Member, Fireman's Charitable and Benevolent Association of New Orleans, 2003 - present

Board of Directors, Camp Challenge for Pediatric Hematology/Oncology Patients, 2012 – 2014

Board of Administrators, Firemen's Charitable and Benevolent Association of New Orleans, 2023 – present