



## **CURRICULUM VITAE**

### **PATRICK GREIFFENSTEIN MD FACS**

**Current Title:** Professor of Clinical Surgery

**Business Address:** LSU Health Sciences Center  
School of Medicine  
Department of Surgery  
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New Orleans, LA 70112

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**Education:**

**Undergraduate:** Florida Atlantic University  
Bachelor of Arts Degree in Anthropology,  
12/1996

**Graduate/Medical:** St. George's University, Grenada, West  
Indies  
MD conferred in May of 2003

**Internship:** Internship in General Surgery  
LSU Health Sciences Center, New Orleans  
July 1, 2003 to June 30, 2004

**Residency:** Resident in General Surgery  
LSU Health Sciences Center, New Orleans  
July 1, 2004 to June 30, 2010  
(with 2-year hiatus for research, below)

**Post-Doctoral Fellowships:** Research Fellow  
Alcohol Research training Grant  
(NIAAA #AA-07577)  
July 1, 2005 to June 31, 2007  
LSU Health Sciences Center, New Orleans

**Clinical Fellowships:** Fellow in Surgical Critical Care  
LSU Health Sciences Center, New Orleans  
July 1<sup>st</sup>, 2011- 2012

**Certification:**

**American Board of Surgery**

Qualifying Exam August 2010 - Passed  
Initial Certification Date: October 22, 2012 – Certificate #057241  
Expiration Date: December 31, 2023

**American Board of Surgery- Surgical Critical Care**

Initial Certification Date: September 23, 2013 – Certificate #003235  
Expiration Date: December 31, 2024

**Licensure:** Louisiana State Board of Medical Examiners, MD.202367  
08/06/2008 - Present

**Academic, Professional, and Research Appointments**

**Academic Appointments:**

**LSU Health Sciences Center, School of Medicine, New Orleans, LA**

04/1/2011 – 06/30/2011  
Clinical Assistant Professor of Surgery

07/01/2012 – 06/30/2019  
Assistant Professor of Clinical Surgery

04/01/2013 – 06/30/2019  
Clinical Assistant Professor of Physiology

06/01/2015 – 06/30/2019  
Clinical Assistant Professor of Cell Biology & Anatomy

07/01/2019 – 06/30/2024  
Associate Professor of Clinical Surgery

07/01/2019 – Present  
Clinical Associate Professor of Cell Biology & Anatomy

07/01/2019 – Present  
Clinical Associate Professor of Physiology

2021 - Present  
Lori Whited Lacoste Professorship in Clinical/Trauma Surgery  
LSU Foundation Professorship (\$100,000 matched endowment)  
New Orleans, LA

07/01/2024 – Present  
Professor of Clinical Surgery

**Tulane University, School of Medicine, New Orleans, LA**

07/01/2014 – Present  
Adjunct Associate Professor of Clinical Surgery  
Department of Surgery  
New Orleans, Louisiana

**Professional Appointments:**

2005 - 2007  
Resident Representative for the Graduate Medical Education Committee  
Appointed to represent the department of surgery on the GMEC

2006 - 2010  
Resident Liaison for LSU, *RAS-ACS*  
Resident liaison for the Resident & Associate Society of the American College of Surgeons

2009 - 2010  
Co-Chairman, Membership Committee, The Shock Society

2010 - 2011  
Staff Surgeon  
Winn Parish Medical Center  
Winnfield, LA

2012 - 2014  
Trauma/Acute Care Surgeon  
Our Lady of the Lake Regional Medical Center  
Baton Rouge, LA

2012 - Present  
Student Clerkship Director  
LSU Health Sciences Center  
New Orleans, LA

2014 - Present  
Attending Trauma/Critical Care Surgeon  
North Oaks Medical Center  
Hammond, LA

May 12, 2015  
Teleflex Corporation: Consultant and clinical advisor for EZ-IO Product.  
Led lunch seminar during European Congress on Trauma and Emergency Surgery, on the use of intraosseous catheters in trauma/emergency resuscitation. Amsterdam, Holland.

## Patrick Greiffenstein MD FACS

May 17, 2015

Depuy Synthes- Consultant and clinical advisor for MATRIXRib System- Short course instructor for approaches to rib fracture fixation for local surgeons. New Orleans, LA

March 2016

Founding Member, Educational Committee, Chest Wall Injury Society  
An Independent society of surgeons and clinical practitioners interested in understanding and promoting the study and practice of care for the patient with chest wall injuries.

2016 - Present

Zimmer Biomet

Instructor for rib fixation skills labs. Paid clinical consultant on biomechanical modeling of rib fractures

2016 - Present

KLS Martin

Instructor for rib fixation labs. Paid consultant on product development and technical issues regarding rib fracture prostheses

October 2017

Chairman, Poster Session

Surgical History Group of the American College of Surgeons.

ACS Clinical Congress

March 2018

Panel expert for Thoracic Trauma Summit. Medical Innovation Center, Houston, TX

October 2018

Co-Chairman, Program Committee

Surgical History Group of the American College of Surgeons.

ACS Clinical Congress.

February 2019

Section Editor, *Emergency Surgery*

European Journal of Trauma and Emergency Surgery

April 2019 - Present

Chairman, Patient Outreach Committee, Chest Wall Injury Society

October 2019 - 2022

Chairman, Program Committee

History and Archives Committee of the American College of Surgeons

### Membership in Professional Organizations:

2003 - 2012

American College of Surgeons, Resident/Associate Society

2005 - Present

The Shock Society, Member

## Patrick Greiffenstein MD FACS

2010 - 2011	The Shock Society, Membership Committee, Co-Chairman
2011 - Present	Society of Critical Care Medicine (SCCM), member
2012 - 2016	American College of Surgeons, Associate Member
2014 - Present	Eastern Association for the Surgery of Trauma (EAST), member
2014 - Present	Southeast Surgical Society, member
2016 - Present	American College of Surgeons- Fellow
2016 - Present	PanAmerican Trauma Society. Member
2016 - Present	Chest Wall Injury Society- Founding Member, Educational Committee Member
2020 - Present	Chest Wall Injury Society- Chairman, Patient Outreach Committee

### Awards and Honors:

#### **1999 Graham Belz Scholarship**

Merit scholarship for St. George's University based on personal qualities and academic standing

#### **2005 The Powell Award**

Awarded by the *Rives Surgical Society of New Orleans* to one LSU Surgery resident for his/her contributions to the department

#### **2008 Aesculapian Society Excellence in Teaching Award**

*Best Resident Teacher, as selected by student members of the Aesculapian Society, LSU School of Medicine*

#### **2008 Douglas Leonovicz Vascular Surgery Award**

*Awarded to the third year resident who most excels in vascular surgery*

#### **2009 Trauma Paper Winner**

17<sup>th</sup> Annual Louisiana Chapter of the American College of Surgeons. Presented: "*Damage Control Laparotomy: Making Sense out of Nonsense*" Ritz-Carlton Hotel, New Orleans, LA. Jan. 18<sup>th</sup>, 2009.

#### **2010 Alpha Omega Alpha Medical Honors Society (LSU Chapter)**

Selected by the LSU Chapter for induction as a resident

#### **2010 Aesculapian Society Excellence in Teaching Award**

*Best Resident Teacher, as selected by student members of the Aesculapian Society, LSU School of Medicine*

#### **2011 Trauma Paper Winner**

19<sup>th</sup> Annual Louisiana Chapter of the American College of Surgeons. Presented "*Implementation of a Comprehensive Unit-based Safety Program (CUSP) and its effects on Catheter-related Infections in a Trauma Intensive Care Unit.*" Ritz-Carlton Hotel, New Orleans, LA. Jan, 2011.

#### **2014 W. Chapman Lee Teaching Faculty of the Year Award**

LSU Department of Surgery, as voted on by the medical students, class of 2016

#### **2015 W. Chapman Lee Teaching Faculty of the Year Award**

LSU Department of Surgery, as voted on by the medical students, class of 2017

**2018 Dr. Alan A. Copping Award for Teaching Excellence**

LSU Health Science Center, School of Medicine, as voted on by LSUHSC Faculty

**2019 Physician of the Quarter, University Medical Center, New Orleans, LA**

**2023 Clinical Research Grant, Louisiana State University, New Orleans, LA**  
Awarded \$64,800 to conduct an experimental study on the effects of CPR on a pig model of hemorrhagic shock

**TEACHING EXPERIENCE AND RESPONSIBILITIES**

**Curriculum Development/Implementation:**

- 1. Advanced Trauma Life Support (ATLS) Instructor**  
Certified to train physicians in ATLS, an American College of Surgeons course for emergency care providers (2005 - present). Teach a minimum of one course per year
- 2. ATLS State Faculty for Louisiana**  
2005 - Present. As state faculty, I am involved in training physicians to become instructors and have been involved in training programs across the state, the accreditation of ATLS providers, instructors, and course directors. As such, I have been a part of unique programs such as **ATLS On The Road**, bringing ATLS to rural communities and training local physicians and caregivers and **PHTLS/ATLS** during which we help train senior paramedic students in the principles of ATLS using real-time scenarios
- 3. Critical Concepts Course**  
2012 - 2018. Co-Instructor for Surgical Critical Care section. Conduct eight four-hour-long skills sessions for basic and advanced hemostatic techniques for senior medical students during their Critical Concepts month.
- 4. Surgery Student Clerkship Curriculum**  
2012 - Present. As the clerkship director and in conjunction with the office of Student Affairs, the Clerkship Co-director and Clerkship Coordinator, a yearly rotating curriculum has been created for the education of the students on surgical services. This involves creating teaching curriculum for all surgical clinical courses offered at LSUHSC, the coordination of the weekly Cohn's clinical case conference, clerkship shelf exam, and coordinating LSU and visiting students throughout all of the clinical practice sites in the state.
- 5. Senior Surgical Anatomy Elective**  
2012 - Present. Course Co-Director. Four-week Senior elective course for students interested in careers in surgical subspecialties. The course offers students in-depth exploration of clinical anatomy and advanced clinical skills guided by faculty invited from various subspecialties. Obligations include lecturing, course organization, curriculum development, and as liaison for involved clinical faculty.

**6. Advanced Surgical Skills for Exposure in Trauma (ASSET)**

Course Director 2015 - Present. Schedule, prepare, coordinate and obtain funding for an advanced surgical skills cadaver course designed to teach practicing surgeons rapid exposure of major vascular structures for emergency bleeding control. Approximately one course per year.

**7. B-Con Course**

Instructor for American College of Surgeons Stop the Bleed Project launched in 2016. Lead and assist with courses on hemostasis skills to the community including LSUHSC Medical Students, LA Department of Corrections personnel

**8. US Coast Guard Rescue Swimmer Medical Training Project**

Founder and lead instructor. 2016 - Present. Worked with area USCG to provide formal medical skills training in both didactic sessions and cadaveric training sessions through LSUHSC-SOM. Provided skills training in basic trauma care, airway assessment and management including cricothyrotomy, chest needle decompression, and advanced hemostasis techniques

**9. Medical Humanities Longitudinal Studies Elective**

2017 - Present. Co-Instructor. Assisted in development of curriculum and teach week-long seminar class for *third year* students on the representation of disease and medical treatment in visual arts.

**10. Medical Humanities Senior Elective**

2017 - Present. Co-Instructor. Assisted in development of curriculum and teach week-long seminar class for *fourth year* students on the representation of disease and medical treatment in visual arts including field trip to New Orleans Museum of Art for guided viewing and discussion of select pieces.

**Creation of Enduring Teaching Materials**

**1. The Surgical Clerkship Student Manual:**

Created in Fall 2012 and yearly update (Currently on 7<sup>th</sup> edition) of the written manual for medical students entering their surgical clerkship. This includes course requirements for most clinical rotations across all teaching campuses, procedural guidelines, pertinent clinical material, and resources such as contacts

**2. The Trauma ICU Survival Guide:**

Created in Fall 2013 and yearly update (Currently on 9<sup>th</sup> edition) in coordination with current Trauma Fellows of the written manual for residents rotating in the Trauma ICU at UMC, New Orleans. This includes course requirements, procedural guidelines, pertinent clinical material, and resources such as contacts

**Departmental/Interdisciplinary Teaching Conferences:**

General Surgery Journal Club, Moderator- 2012 – 2019. Approximately once yearly, run a meeting which reviews recent clinical and scientific literature focusing on a topic in surgery. Usually asked to moderate and choose articles for the Trauma and Critical Care topics. Otherwise, attend and contribute to this monthly conference.

Grand Rounds- Presenter and Moderator, 2012 - Present. Approximately once per year, present at Grand Rounds on a topic pertinent to the Department of Surgery at LSUHSC. Once every two years serve as faculty of the month and facilitate a weekly discussion at a department level about a selected topic in the realm of surgery and surgical critical care. Otherwise, attend and contribute to this weekly conference.

SICU Conference- Presenter, 2012 - Present. Approximately three times yearly present an hour-long review and facilitate discussion at a section level about a variety of topics in the realm of Trauma and Critical Care. Otherwise, attend and contribute to this weekly conference.

Surgical Critical Care Journal Club- Moderator, 2016 - Present. Coordinate along with the Trauma Fellows the monthly conference which reviews recent clinical and scientific literature focusing on a topic in surgical critical care. Otherwise, attend and contribute to this monthly conference.

## **RESEARCH AND SCHOLARSHIP**

### **Grants and Contracts**

#### **Funded:**

1. **ACCUTE**- (AB103 Clinical Composite Endpoint Study in Necrotizing Soft Tissue Infections) Phase III, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Study of AB103 as Compared to Placebo in Patients with Necrotizing Soft Tissue Infections (NSTI)- Total Projected award \$244,088, Date of award: 9/1/15, currently accruing. **ATB-202 Principal Investigator for site**
2. **AVAIL**- (An Open-label Study to Evaluate the Efficacy and Safety of Avatrombopag for the treatment of Subjects with Thrombocytopenia Scheduled for a Surgical Procedure. Study launched in July 2018, but cancelled prior to accruing **Protocol #AVA-PST-320, Principal investigator for this site.**

### **Journal Publications**

#### **Refereed:**

1. **Greiffenstein P**, Mathis KW, Stouwe CV, Molina PE. Alcohol binge before trauma/hemorrhage impairs integrity of host defense mechanisms during recovery. *Alcohol Clin Exp Res*. 2007 Apr;31(4):704-15.
2. **Greiffenstein P**, Molina PE. Alcohol-induced alterations on host defense after traumatic injury. *J Trauma*. 2008 Jan;64(1):230-40. Review.
3. **Greiffenstein P** and O'Leary JP. Eakins' Clinics: Snapshots of surgery on the threshold to modernity. *Arch Surg*. 2008;143(11):1121-1125.



4. Chehardy P, Clanton J, **Greiffenstein P**, McSwain NE, Duchesne JC. Advanced Trauma Life Support and Prehospital Trauma Life Support: On the Road. American College of Surgeons- Bulletin. 2009 Mar; 22-27.
5. Phelan HA, Velmahos GC, Jurkovich GJ, Friese RS, Minei JP, Menaker JA, Philp A, Evans HL, Gunn ML, Eastman AL, Rowell SE, Allison CE, Barbosa RL, Norwood SH, Tabbara M, Dente CJ, Carrick MM, Wall MJ, Feeney J, O'Neill PJ, Srinivas G, Brown CV, Reifsnnyder AC, Hassan MO, Albert S, Pascual JL, Strong M, Moore FO, Spain DA, Purtill MA, Edwards B, Strauss J, Durham RM, Duchesne JC, **Greiffenstein P**, Cothren CC. An evaluation of multidetector computed tomography in detecting pancreatic injury: results of a multicenter AAST study. *J Trauma*. 2009 Mar;66(3):641-6; discussion 646-7.
6. Duchesne JC, Islam TM, Stuke L, Timmer JR, Barbeau JM, Marr AB, Hunt JP, Dellavolpe JD, Wahl G, **Greiffenstein P**, Steeb GE, McGinness C, Baker CC, McSwain NE Jr. Hemostatic resuscitation during surgery improves survival in patients with traumatic-induced coagulopathy. *J Trauma*. 2009 Jul;67(1):33-7; discussion 37-9.
7. Duchesne JC, McSwain NE Jr, Cotton BA, Hunt JP, Dellavolpe J, Lafaro K, Marr AB, Gonzalez EA, Phelan HA, Bilski T, **Greiffenstein P**, Barbeau JM, Rennie KV, Baker CC, Brohi K, Jenkins DH, Rotondo M. Damage control resuscitation: The new face of damage control. *J Trauma*. 2010 Oct;69(4):976-90. Review.
8. Duchesne JC, Barbeau JM, Islam TM, Wahl G, **Greiffenstein P**, McSwain NE Jr. Damage control resuscitation: From the emergency department to the operating room. *Am Surg*. 2011 Feb;77(2):201-6.
9. Wang YZ, **Greiffenstein P**. Ingestion of a foreign body unmasks an asymptomatic small bowel carcinoid tumor. *Clin Pract*. 2011 Dec 30;2(1):e2
10. Arango D, **Greiffenstein P**, O'Leary JP. Selected anatomists: at the boundary of contemporary ethics. *JAMA Surg*. 2013 Jan 1;148(1):94-8
11. Stuke LE, Duchesne JC, **Greiffenstein P**, Mooney JL, Marr AB, Meade PC, McSwain NE, Hunt JP. Not all mechanisms are created equal: a single-center experience with the national guidelines for field triage of injured patients. *J Trauma Acute Care Surg*. 2013 Jul;75(1):140-5.
12. Melvan JN, Mooney J, Bagby GJ, Hunt JP, Batson R, **Greiffenstein P**. Drug and alcohol use complicate peripheral traumatic artery injury. *J Trauma Acute Care Surg*. 2013 Aug;75(2):258-65. doi: 10.1097/TA.0b013e31829246e1
13. Nguyen N, Hunt JP, Lindfors DP, and **Greiffenstein P**. Aerial fireworks can turn deadly underwater: Magnified blast causes severe pulmonary contusion. *Injury Extra*, Volume 45, Issue 4, April 2014, Pages 32-34
14. **Greiffenstein P**, Forrette TL, Respiratory Complications in Trauma Patients: A Multidisciplinary Approach to Prevention. *Respiratory care*. 2016, 61(12): 1708-1709.

15. Tonglet TL, **Greiffenstein P**, Pirance F, Desquesves S. Massive bleeding following severe blunt trauma: the first minutes that can change everything. *Acta Chir Belg.* 2016 Feb; 116(1): 11-15
16. Pender C, Kiselov V, Yu Q, Mooney J, **Greiffenstein P**, Paige JT, All for knots: evaluating the effectiveness of a proficiency-driven, simulation-based knot tying and suturing curriculum for medical students during their third-year surgery clerkship. *American journal of surgery.* 213(2): 362-370. ePubDate: 8/22/2016
17. Heaney JB, Schroll R, Turney J, Stuke L, Marr AB, **Greiffenstein P**, Robledo R, Theriot A, Duchesne J, Hunt J. Implications of the TQUIP Inclusion of Non-Survivable Injuries in Performance Benchmarking. *J Trauma Acute Care Surg.* 2017
18. **Greiffenstein P** and Hastings P. The Secret History of Innovation: Charity hospital, Angola prison, and the challenging of surgical dogma. *Am Surg* 2017 Feb; 83(2); 113-118.
19. Martinez B, Owings JT, Hector C, Hargrove P, Tanaka S, Moore M, **Greiffenstein P**, Giaimo J, Talebinejad S, Hunt JP. *J Am Coll Surg.* 2017 Oct;225(4):508-515. doi: 10.1016/j.jamcollsurg.2017.06.016. Epub 2017 Aug 30.PMID: 28865685
20. Martinez B, Owings JT, Hector C, Hargrove P, Tanaka S, Moore M, **Greiffenstein P**, Giaimo J, Talebinejad S, Hunt JP. Association Between Compliance with Triage Directions from an Organized State Trauma System and Trauma Outcomes. *J Am Coll Surg.* 2017 Oct;225(4):508-515
21. Reintam Blaser A, Regli A, De Keulenaer B, Kimball EJ, Starkopf L, Davis WA, **Greiffenstein P**, Starkopf J; Incidence, Risk Factors, and Outcomes of Intra-Abdominal (IROI) Study Investigators. Incidence, Risk Factors, and Outcomes of Intra-Abdominal Hypertension in Critically Ill Patients-A Prospective Multicenter Study (IROI Study). *Crit Care Med.* 2019 Jan 2. doi: 10.1097/CCM.0000000000003623. [Epub ahead of print]
22. Friedman JK, Swift D, Smith AA, Hunt J, **Greiffenstein P**, Duchesne J, Schroll. Insurance Status as a Predictor of Hospital Length of Stay in Trauma Patients. *Am Surg.* 2019 Jan 1;85(1):e50-e52.
23. Hakki L, Smith A, Babin J, Hunt J, Duchesne J, **Greiffenstein P**. Effects of a fragmenting handgun bullet: Considerations for trauma care providers. *Injury.* 2019 May;50(5):1143-1146. doi: 10.1016/j.injury.2019.01.033. Epub 2019 Jan 25. PMID: 30711320
24. Schroll R, Smith A, Zeoli T, Hoof M, **Greiffenstein P**, Moore M, McGrew P, Duchesne J, Avegno J. Efficacy of Medical Students as Stop the Bleed Participants and Instructors. *J Surg Educ.* 2019 Jul-Aug;76(4):975-981. doi: 10.1016/j.jsurg.2019.02.006. Epub 2019 Feb 15. PMID: 30777682

25. Schroll R, Smith A, Martin MS, Zeoli T, Hoof M, Duchesne J, **Greiffenstein P**, Avegno J. Stop the Bleed Training: Rescuer Skills, Knowledge, and Attitudes of Hemorrhage Control Techniques. *J Surg Res.* 2020 Jan;245:636-642. doi: 10.1016/j.jss.2019.08.011. Epub 2019 Sep 13. PMID: 31525629
26. Sarani B, Allen R, Pieracci FM, Doben AR, Eriksson E, Bauman ZM, Gupta P, Semon G, **Greiffenstein P**, Chapman AJ, Kim BD, Lottenberg L, Gardner S, Marasco S, White T. Characteristics of hardware failure in patients undergoing surgical stabilization of rib fractures: A Chest Wall Injury Society multicenter study. *J Trauma Acute Care Surg.* 2019 Dec;87(6):1277-1281. doi: 10.1097/TA.0000000000002373. PMID: 31107433
27. **Greiffenstein P**, Tran MQ, Campeau L. Three common exposures of the chest wall for rib fixation: anatomical considerations. *J Thorac Dis.* 2019 May;11(Suppl 8):S1034-S1043. doi: 10.21037/jtd.2019.03.33. PMID: 31205760
28. **Greiffenstein P**, Adams E, Scheuermann A, Rogers C. Treatment of symptomatic intercostal heterotopic ossification after surgical stabilization of rib fractures: report of two cases and review of the literature. *J Thorac Dis.* 2019 May;11(Suppl 8):S1106-S1112. doi: 10.21037/jtd.2019.01.37. PMID: 31205770
29. Hodgdon I, Cook M, Yoo A, Rajo M, Dooley D, Haydel A, Dogar S, **Greiffenstein P**, Morrison J, Lau F, Paige. The Use of Autologous Fenestrated Cutis Grafts in Hernia Repair : Surgical Outcomes and Cost Analysis of 97 Consecutive Patients. *J. Am Surg.* 2020 Jul;86(7):819-825. doi: 10.1177/0003134820933261. Epub 2020 Jun 26. PMID: 32683916
30. Brown C, Irfan W, Schoen JE, Marr AB, Stuke LE, Cavalea AC, Mosier WW, Rogers CL, **Greiffenstein P**, Moore MM, Hunt JP. Predictors of Inappropriate Helicopter Transport. *Am Surg.* 2020 Sep 15:3134820951423. doi: 10.1177/0003134820951423. Online ahead of print
31. Friedman J, Hendrix V, Fustok J, Reza T, Madda P, Smith A, Mayer S, Duchesne J, **Greiffenstein P**, Schroll R. J Correlation of ride sharing service availability and decreased alcohol-related motor vehicle collision incidence and fatality. *Trauma Acute Care Surg.* 2020 Sep;89(3):441-447. doi: 10.1097/TA.0000000000002802. PMID: 32467472
32. Dai J, **Greiffenstein P**, Petrella F, Kim JJ, Marulli G, Fang Y, Zhou Y Treatment of a Lung Lobectomy Patient with Severe Post-Surgical Infection in the Anterior Thoracic Wall by Multiple Debridement and Drainage. *J Thorac Dis.* 2020 Dec;12(12):7481-7487. doi: 10.21037/jtd-20-2946. PMID: 33447435
33. Brown C, Irfan W, Schoen J, Marr AB, Stuke LE, Cavalea AC, Mosier WW, Rogers CL, **Greiffenstein P**, Moore MM, Hunt JP. Predictors of Inappropriate Helicopter Transport. *Am Surg.* 2020. Sep 15:3134820951423. doi: 10.1177/0003134820951423. E-pub. PMID 32927969.
34. Cavalea A, Hunt JP, McGoey R, Schroll R, Marr AB, Duchesne JC, **Greiffenstein P**, Schoen JE, McGrew P, Guidry C, Stuke L. Maintaining trauma

- center operational readiness during the COVID-19 pandemic. *Am J Disaster Med.* 2021 Winter;16(1):25-34. PMID **33954972**
35. Hahn A, Brown T, Chapman B, Marr A, Stuke L, **Greiffenstein P**, Schoen J, Hunt JP, Smith A. How Did the COVID-19 Pandemic Affect Trauma Volume at an Urban Level I Trauma Center? *Am Surg.* 2022 Apr;88(4):758-763. doi: 10.1177/00031348211054075. Epub 2022 Jan 3. PMID: 34974740
  36. Thrash BT, Smith AA, Fairchild AH, Ustunsoz B, Brown TA, Chapman BM, Hunt JP, Marr AB, Stuke LE, Schoen JE, **Greiffenstein P**. Compression of the Right Atrium and Inferior Vena Cava from an Extrahepatic Biloma Following Liver Trauma. *Am Surg.* 2022 Mar;88(3):549-551.
  37. Legare T, Schroll R, Hunt JP, Duchesne J, Marr A, Schoen J, **Greiffenstein P**, Stuke L, Smith A. Prehospital Tourniquets Placed on Limbs Without Major Vascular Injuries, Has the Pendulum Swung Too Far? *Am Surg.* 2022 Sep;88(9):2103-2107. doi: 10.1177/00031348221088968. Epub 2022 Apr 17. PMID: 35435022
  38. Wu R, Smith A, Brown T, Hunt JP, **Greiffenstein P**, Taghavi S, Tatum D, Jackson-Weaver O, Duchesne J. Deterioration Index in Critically Injured Patients: A Feasibility Analysis. *J Surg Res.* 2023 Jan;281:45-51. doi: 10.1016/j.jss.2022.08.019. Epub 2022 Sep 15. PMID: 36115148
  39. Bellfi LT, Zimmerman SA, Boudreau R, Mosier W Jr, Smith A, Rueb N, Hunt JP, Stuke L, **Greiffenstein P**, Schoen J, Marr A. Impact of Increased Enoxaparin Dosing on Anti-Xa Levels for Venous Thromboembolism Prophylaxis in Trauma Patients. *Am Surg.* 2022 Sep;88(9):2158-2162. doi: 10.1177/00031348221091935. Epub 2022 Jul 15. PMID: 35839754
  40. Yoo A, Short C, Lopez MJ, Takawira C, Islam KN, **Greiffenstein P**, Hodgdon I, Danos DM, Lau FH Dehydrated Human Amniotic-Chorionic Membrane Reduces Incisional Hernia Formation in an Animal Model. *J Surg Res.* 2022 Feb;270:477-485. doi: 10.1016/j.jss.2021.10.019. Epub 2021 Nov 17. PMID: 34800794 Clinical Trial.
  41. Cao A, Bellfi LT, Schoen J, **Greiffenstein P**, Marr AB, Stuke L, Hunt JP, Pino R, Smith A. Perioperative Fluid Management in Surgical Patients: A Review. *Am Surg.* 2022 Aug 17:31348221121565. doi: 10.1177/00031348221121565. Online ahead of print. PMID: 35977846
  42. Taylor NA, Smith AA, Marr A, Stuke L, **Greiffenstein P**, Schoen J, Brown T, Chapman B, Hunt JP Does Time to Pelvic Fixation Influence Outcomes in Trauma Patients? *Am Surg.* 2022 May;88(5):840-845. doi: 10.1177/00031348211056266. Epub 2021 Nov 19. PMID: 34797191
  43. Wang L, Zhao Y, Wu W, He W, Yang Y, Wang D, Xu E, Huang H, Zhang D, Jin L, Jing B, Wang M8, Jin Z, Daemen JHT, de Loos ER, **Greiffenstein P**, Bertoglio P, Molnar T, Pieracci F; China Chest Injury Research Society. Development and validation of a pulmonary complications

prediction model based on the Yang's index. J Thorac Dis 2023 Apr 28;15(4):2213-2223. PMID: 37197487. PMCID: PMC10183517

44. Cavalea AC, Tedesco A, Leonard JK, Hunt JP, Smith A, Danos D, Schoen JE, Marr AB, **Greiffenstein P**, Stuke LE. Comparison of rampage and non-rampage mass shootings in the U.S.: A 5-year demographic analysis. Injury. 2023 May 6:110789. doi: 10.1016/j.injury.2023.05.020. Online ahead of print.PMID: 37211470
45. Hunt I, Gold L, Hunt JP, Marr AB, **Greiffenstein P**, Stuke L, Smith A. Acute Kidney Injury in Hypotensive Trauma Patients Following Resuscitative Endovascular Balloon Occlusion of the Aorta Placement. Am Surg. 2023 Feb 17:31348231157894. doi: 10.1177/00031348231157894. Online ahead of print.PMID: 36800911
46. Travis HJ, Platt B, Muramoto SG, Smith AA, Hunt JP, Stuke LE, **Greiffenstein P**, Schoen JE, Marr AB. Does Vehicle Intrusion Alone Still Predict Injury: A Retrospective Analysis of Mechanism as Trauma Activation Criteria. Am Surg. 2023 Mar 10:31348231161703. doi: 10.1177/00031348231161703. Online ahead of print.PMID: 36896829
47. Smith A, Fitzpatrick-Schmidt T, Beiter K, Cavalea AC, Scharf P, Schoen J, Stuke L, **Greiffenstein P**, Marr A, Tedesco A, Hunt JP. The COVID-19 pandemic and its impacts on mass shootings in six major US cities..Injury. 2023 Apr 30:S0020-1383(23)00395-9. doi: 10.1016/j.injury.2023.04.053. Online ahead of print.PMID: 37164899
48. Vazquez Perez A, Deville P, Hargis M, Hunt JP, Marr AB, Stuke LE, Schoen JE, **Greiffenstein P**, Smith AA. Traumatic Breast Injuries in High-Risk Communities. Am Surg. 2023 May 11:31348231174020. doi: 10.1177/00031348231174020. Online ahead of print.PMID: 37166837

#### Non-refereed:

1. **Greiffenstein P**. Dying with your patient: A Shaman's message to a medical student. E-publication magazine **The World and I**. [www.worldandi.com/global-culture/g\\_search\\_esl.asp?feature=Crossroads&country=United%](http://www.worldandi.com/global-culture/g_search_esl.asp?feature=Crossroads&country=United%20States) Published in 2014, the website no longer exists
2. **Greiffenstein P**. Conscientious Carnivore: Eating sustainably-farmed meat in the era of industrialized agriculture. *Country Roads Magazine*. 2013 Jan 1; 48-51

#### Book Chapters:

1. **Greiffenstein P** and O'Leary JP. **Recognizing ones limitations.** In Professionalism and Ethics in Surgical Practice. Eldo Frezza, ed. 2008. pp.185 - 192.
2. Stuke LE, **Greiffenstein P**, Marr AB, Hunt JP. **Geriatric Trauma.** In: Cefalu, ed. Disaster Preparedness for Seniors. New York: Springer; 2014. pp. 271 – 290.

3. Vermaelen J, **Greiffenstein P**, DesBoisblanc BP. **Sleep in Traumatic Brain Injury** in Critical Care Clinics: Sleep and Circadian Rhythms in the ICU. July 2015. Elsevier, Philadelphia, PA; 31(3): 551-562.
4. Marr AB, Stuke LE, **Greiffenstein P**. **Kinematics**. *Trauma* 8<sup>th</sup> ed. Feliciano D, ed. 2017. McGraw Hill: New York pp. 3-20

**Published Abstracts:**

1. Molina PE, Mathis KW, Stouwe CV, **Greiffenstein P**. *Contribution of soft-tissue trauma to the pro-inflammatory response following trauma-hemorrhage*. Abstract. Shock Society Annual Conference on Shock, Broomfield, CO. June 2006
2. EL Murdoch; **P Greiffenstein**; CR Gomez; V Nomellini; L Ramirez; MO Morgan; EJ Kovacs. *Pulmonary Inflammatory responses after ethanol exposure and burn injury*. Abstract. Shock Society Annual Conference on Shock, Broomfield, CO. June 2006
3. **Greiffenstein P**, Mathis KW, Stouwe CV, Molina PE. *Alcohol-binge prior to trauma-hemorrhage impairs LPS-induced peripheral blood mononuclear cell inflammatory response*. Abstract. Alcohol and Injury Research Interest Group (AIRIG), satellite meeting of the Research Society on Alcoholism. Maywood, IL November 2006.
4. **Greiffenstein P**, C Vande Stouwe, P Zhang, PE Molina. *Time-dependent, divergent, and compartment-specific effects of binge alcohol and trauma-hemorrhage on immune responsiveness during the post-injury recovery period*. Abstract. Shock Society Annual Conference on Shock, Baltimore, MD June 2007.
5. **Greiffenstein P**, Stouwe CV, Molina PE. *Alcohol-induced immune dysregulation during recovery from trauma-hemorrhage*. Abstract and Oral Presentation. Research Society on Alcoholism annual meeting. Chicago, IL. July 2007.
6. **Greiffenstein P**, Sulzer J, Molina PE. *Host Immune Dyshomeostasis Due to Alcohol and Trauma Hemorrhage Persists Throughout The Late Recovery Period*. Shock Society Annual Conference on Shock, Miami Beach, FL. June, 2012.
7. Melvan JN, Forrette TL, Gruner J, Schroll R, Mooney J, Stuke L, Marr AB, Hunt JP, and **Greiffenstein P**. *Proportional assist ventilation versus pressure support for spontaneous breathing trials: a mechanistic study*. Poster presented at the American Association for the Surgery of Trauma annual meeting, San Francisco, CA. September, 2013
8. **Greiffenstein P**, Melvan JN, Forrette TL, Gruner J, Schroll R, Mooney J, Stuke L, Marr AB, Hunt JP, and Duchesne JC. *It's all about compliance: Proportional assist ventilation helps predict liberation from mechanical ventilation in surgical*

*ICU patients.* Poster presented at the American Association for the Surgery of Trauma annual meeting, San Francisco, CA. September, 2013

9. Forrette TF, Coogan C, and **Greiffenstein P.** *Lack of Compliance with Lung-Protective Ventilation is not Due to Inaccurate Height Measurement.* **Editor's Choice Award**, Presented at the AARC, Las Vegas, NV. Dec 2014
10. Moore MM, Schroll RW, Lawrence AE, Marr AB, Hunt JP, and **Greiffenstein P.** A Closer Look at TXA: Examining utilization and outcomes. Presented at AAST, Las Vegas, NV, 2015
11. Bisgaard E, Barkat A, Stuke LE, Mooney JL, Toshav A, and **Greiffenstein P.** Management and outcomes of rectal trauma: A ten year retrospective review in a level one trauma center. Presented at AAST, Las Vegas, NV, 2015
12. Pastorek R, Al-Dahir S, Olivier D, Oko O, Mooney J, **Greiffenstein P.** Too little too late: Empiric Vancomycin therapy is ineffective in Trauma ICU patients. Presented at Shock Society Annual Conference on Shock, Ft. Lauderdale, FL. June 2017
13. Harrison T, Forte M, Stover J, Donovan S, Smith A, and **Greiffenstein P.** Early Implementation of Intrathoracic Plating: A Retrospective Analysis of Rib Surgical Stabilization Approaches. Chest Wall Injury Society Summit, Charlotte, NC. April 2023.

**Local/Regional Scientific Presentations as Lead or Senior Author:**

1. Bains, J, Bisgaard E, **Greiffenstein P.** *Sodium Dysregulation: A Predictor of Mortality in Trauma Patient Who Undergo Massive Transfusion.* Presented at LSU Summer Research Program for Students, 2013
2. Saussy C, **Greiffenstein P.** *Prehospital Intraosseous Needle Use in Trauma: An increase in use without complications.* Presented at LSU Summer Research Program for Students, 2013
3. **Greiffenstein P,** Melvan JN, Forrette TL, Gruner J, Schroll R, Mooney M, Stuke LE, Marr AB, Junt JP, Duchesne JC. *It's all about compliance: Using PAV to predict liberation from mechanical ventilation.* Presented at LA-ACS meeting, New Orleans LA, 2014
4. Saussy K and **Greiffenstein P.** *Obstacles for the use of intraosseous vascular access in a level I trauma center.* LSUSOM Summer Research Student Presentation. New Orleans, LA, 2014
5. Richardson WS, Lindfors DP, Hunt JP, **Greiffenstein P.** *Abdominal subcutaneous fat thickness predicts soft tissue infection following trauma laparotomies.* **Poster of Distinction** at the SESC Annual Congress, Chattanooga, TN. Feb 2015

6. Fincke T, Lee W and **Greiffenstein P**. Plain film chest radiography cost-effectiveness and utility in the trauma patient. *Second Place LSUSOM Summer Research Student Presentation*. New Orleans, LA, 2016
7. Lee W, Fincke T and **Greiffenstein P**. Plain radiography sensitivity and specificity in diagnosing blunt aortic injury. *LSUSOM Summer Research Student Presentation*. New Orleans, LA, 2016
8. Robicheaux S, Stewart B and **Greiffenstein P**. Utilization of Kinesiotape after rib fracture. *LSUSOM Summer Research Student Presentation*. New Orleans, LA, October, 2017
9. Al-Dahir S, Pastorek R, Olivier D, Oko O, Arshad S, Schinetsky J, Nguyen H, Mooney J, and **Greiffenstein P** Too Little Too Late: Empiric Vancomycin Therapy is Ineffective in Trauma ICU Patients. Presented at LA-ACS meeting, New Orleans LA, 2017

**National Scientific Presentations as Lead or Senior Author:**

1. Mackey S and **Greiffenstein P**. *Ultrasound guided rib fracture hematoma block using liposomal bupivacaine: Case series using a new technique*. Presented at the plenary session, Chest Wall Injury Summit, Park City, UT. March, 2017
2. Wittenberg B, Lindfors P, Grodsky J and **Greiffenstein P**. *Plain radiography and clinical exam are ineffective in diagnosis of flail chest: Report of 18 consecutive cases and literature review*. Chest Wall Injury Summit, Park City, UT. March, 2017
3. **Greiffenstein P**, Robicheaux S, Stewart B. Utilization of Kinesiotape after rib fracture. Chest Wall Injury Summit, Park City, UT. March, 2018
4. Tumminello M, Riera C, Perez V, Leonardi C, and **Greiffenstein P**. The True Lethality of Blunt Chest Wall Injury: An In-Depth Analysis of Deaths in Patients with Rib Fractures and Pulmonary Contusions. Chest Wall Injury Summit, Virtual. April 2020
5. **Greiffenstein P**, Perez V, Tumminello M, Forrette T. Shedding Light on chest wall instability: The use of Structured Light Plethysmography in Fractured Rib Patients. Chest Wall Injury Summit, Virtual. April 2020

**Research Review Committee:**

European Journal of Trauma and Emergency Surgery (*Section Editor*)

2014- 6 Reviews  
2015- 8 Reviews  
2016- 4 Reviews  
2017- 5 Reviews  
2018- 6 Reviews  
2019- 4 Reviews  
2020- 3 Reviews  
2021- 3 Reviews



2022- 2 Reviews

2023- 2 Reviews

Journal of Trauma and Acute Care Surgery  
2022 - 4 Reviews

**Invited Presentations and Seminars:**

1. **AORN Neuro/Ortho/Trauma Specialty Assembly Seminar.** Lecture entitled: "Approach to the Trauma Patient: The Order of Battle" at University Medical Center, New Orleans, May 15, 2016
2. **Louisiana Society of Hospital Pharmacists (LSHP) Annual Congress.** Lecture entitled: "The Ketamine Taboo: Louisiana's inadvertent ban of an essential drug" Hyatt Regency, New Orleans, May 25, 2017
3. **LA-ACS Annual Meeting.** Lecture entitled "Chest Wall Injuries: Past, Present and Future." June 3<sup>rd</sup>, 2017. JW Marriott, New Orleans, LA
4. **Association of Surgical Technologists, 48<sup>th</sup> National Annual Conference.** Lecture "Chest wall injuries: Past, present and future." June 9<sup>th</sup>, 2017. New Orleans Marriott, New Orleans, LA.
5. **McSwain National EMS Conference.** Lecture entitled "Ballistics Primer for the Trauma Responder". November 10<sup>th</sup>, 2017. University Medical Center, New Orleans, LA.
6. **West Virginia Trauma Symposium.** Lecture entitled "Ballistics Primer for The Trauma Responder" September 18<sup>th</sup>, 2019. Stonewall Jackson Resort, Roanoke, WV.
7. **Grand Rounds,** Department of Surgery, LSU – Shreveport. May 12, 2021
8. **Grand Rounds,** Department of Surgery, Lehigh Valley, PA Oct. 5, 2021
9. **Chest Wall Injury Summit,** Lecture: The Future of Chest Wall Injury Prevention. Park City, UT, April 27, 2022
10. **Chest Wall Injury Summit,** Lecture: Surgery in 2052: A review of biomedical innovation on the horizon, Park City, UT, April 28, 2022

**Plenary Lectureships or Refresher Courses at Professional Meetings:**

1. LA-ACS Annual Meeting, Hotel Intercontinental, NOLA Jan 17, 2015
2. Southeast Surgical Society, Annual Congress. Discussant, Trauma Session. Feb 24, 2015. Marriot Hotel, Chattanooga, TN

3. PanAmerican Trauma Society Meeting. Anatomical Approaches of the Chest Wall. Rib Fracture Repair Breakout Session. August 14, 2018. Las Americas Convention Center, Cartagena, Colombia.

## **SERVICE ACTIVITIES**

### **University/Institutional Service**

#### **Departmental committees:**

Clinical Competency Committee- LSUHSC Department of Surgery, Surgical Residency. 2014 - present

Clinical Competency Committee- LSUHSC Department of Surgery, Surgical Critical Care Fellowship. 2014 - present

Program Evaluation Committee, LSUHSC Department of Surgery, Surgical Residency. 2014 - present

Program Evaluation Committee, LSUHSC Department of Surgery, Surgical Critical Care Fellowship. 2014 - present

Surgical Residency Interview Committee, LSUHSC Department of Surgery, alternate. 2014 - present

#### **LSUHSC (campus) committees:**

Louisiana State University School of Medicine, Graduate Medical Education Advisory Committee, Member, 2007 – present.

Louisiana State University School of Medicine Faculty Assembly, Elected Member, 2014 - 2017.

Communications Committee Member LSUHSC, School of Medicine. 2014 - present

Research Advisory Board Member, LSUHSC School of Medicine. 2014 - present

Adverse Action Appeals Committee Member for Department of Otolaryngology - June 2015

Louisiana State University School of Medicine, Admissions Committee Member. Spring 2017 – present.

#### **Hospital committees:**

OR Peer Review Subcommittee- ILH/UMC, 2014 - present

Mortality Review Committee- University Medical Center- 2014 - present

Medical Executive Committee- University Medical Center of New Orleans. Member 2016 - present

Credentials Committee- University Medical Center of New Orleans. Member, 2016 - present

Advisory Board Member, University Medical Center Clinical Trial Research Center, New Orleans, 2016 - Present

Obstetrical Emergency Care Committee Member, Representative for Trauma/Surgical Critical Care Division- University Medical Center, 2017

Ketamine Task Force Lead Member, University Medical Center- 2017-present

Consent Task Force, Member, University Medical Center- 2017 - present

Pain Clinic Task Force Member, University Medical Center. 2017 - present

## **Clinical Service**

### **Inpatient service activities:**

Attending Surgeon, LSU Interim Hospital, Trauma/General Surgery Service, every other month. 07/2012 - 07/2015

Attending Intensivist, Surgical Intensive Care Unit (SICU) 8 days of continuous rounds and call approximately 6 times per year. ILH 2012 - 2015, UMCNO 2015 – present

Attending Surgeon, UMCNO- Burn Center: Coverage of Inpatient care and emergency room consultations, approximately 2 days per month. 5/2012 - Present, concurrent with Trauma Call at UMC

### **Clinic coverage:**

Attending Surgeon- Trauma Surgery Clinic, every Monday of the month on service, approximately 4-6 months per year, ILH 2012 - 2015, UMCNO 2015 - present

### **Clinical Rounds:**

Trauma Intensive Care Unit (TICU) Rounds, approximately 1 week every other month. Conducting rounds in the TICU involves interacting with and instructing members of the nutrition staff, nurses and nursing students, pharmacists and pharmacy students, respiratory therapists and respiratory students, as well as medical students from LSU, Tulane, and foreign countries. Residents in Surgery, Emergency Medicine,

## Patrick Greiffenstein MD FACS

Orthopedics, Neurosurgery, and Oral Maxillofacial Surgery from both LSU and Tulane as well as 2 Surgical Critical Care Fellows (LSU) are part of the SICU team. 07/2012- Present

Surgery Intensive Care Unit (SICU), Southern Louisiana Veterans Health Center, New Orleans. Conduct rounds, approximately one week in every 2-3 months (currently every 7 weeks), 2017- Present

Acute Care Surgery, Southern Louisiana Veterans Health Center, New Orleans. Conduct rounds on the floor patients admitted to the Acute Care Surgery service, 2017 - Present

### Call:

Trauma and Acute Care Surgery call, Our Lady of the Lake Level 2 Trauma Center, Baton Rouge, LA – four days/month In house, two days/month back up. 7/12 - 7/15.

Trauma and Acute Care Surgery call, Interim LSU Hospital – 4 - 5 times/month, 7/12 - 8/16, (In house).

Trauma and Acute Care Surgery call, North Oaks Regional Medical Center Level 2 Trauma Center – two times/month, 7/15 - Present, (In house).

Trauma and Acute Care Surgery call, University Medical Center of New Orleans Hospital – 4-5 times/month, 8/16 - Present, (In house).

Acute Care Surgery and Surgical Critical Care, Southern Louisiana Veterans Health Center, New Orleans. Concurrent with Surgical Critical Care rounding weeks, approximately one week in every seven, 2017 - Present

## Administrative Responsibilities

### Departmental:

**Student Clerkship Director, 2012 - Present:** As the clerkship director and in conjunction with the office of Student Affairs, the Clerkship Co-director and Clerkship Coordinator, I am responsible for the clinical education of the students on surgical services throughout the LSU system in southern LA. This involves creating teaching curriculum for all surgical clinical courses offered at LSUHSC, the coordination of the weekly Cohn's clinical case conference, clerkship shelf exam, developing skills labs, and coordinating LSU and visiting students throughout all of the clinical practice sites in the state. Furthermore, we handle all of the LSU students who seek to rotate in other facilities across the country. Lastly, my co-director and I handle all of the student issues and conflicts that arise across the clinical sites within my purview.

**Research Coordinator 2018 - 2020:** My role was to facilitate and promote research activity within the department of surgery at LSUHSC through

coordinating statistician support, assisting with IRB applications, establishing interdepartmental collaborative efforts, mentoring residents, and publishing guidelines and bulletins within the department to help navigate the research process.

**Promotion and Tenure Committee 2023 - Present:** As a committee member, I review current processes and guidelines, assess all applications for promotion, and vote on pertinent issues

**School:**

Louisiana State University School of Medicine, Graduate Medical Education Advisory Committee, Member, 2007 – present.

Louisiana State University School of Medicine, Clinical Promotions Committee Member. 2012 – present.

Louisiana State University School of Medicine Faculty Assembly, Elected Member, 2014 - 2017.

Communications Committee Member LSUHSC, School of Medicine. 2014 - present

Adverse Action Appeals Committee Member for Department of Otolaryngology - June 2015

Louisiana State University School of Medicine, Admissions Committee Member. Spring 2017 – present.

**LSUHSC:**

Research Advisory Board Member, LSUHSC. 2014 - present

Clinical Competency Committee- LSUHSC Department of Surgery, Surgical Residency. 2014 - present

Clinical Competency Committee- LSUHSC Department of Surgery, Surgical Critical Care Fellowship. 2014 - present

Program Evaluation Committee, LSUHSC Department of Surgery, Surgical Residency. 2014 - present

Program Evaluation Committee, LSUHSC Department of Surgery, Surgical Critical Care Fellowship. 2014 - present

Surgical Residency Interview Committee, LSUHSC Department of Surgery, alternate. 2014 - present

**Hospital:**

OR Peer Review Subcommittee- ILH/UMC, 2014 - present

Mortality Review Committee- University Medical Center- 2014 - present

Medical Executive Committee- University Medical Center of New Orleans.  
Member 2016 - present

Credentials Committee- University Medical Center of New Orleans.  
Member, 2016 - present

Advisory Board Member, University Medical Center Clinical Trial  
Research Center, New Orleans, 2016 - Present

Obstetrical Emergency Care Committee Member, Representative for  
Trauma/Surgical Critical Care Division- University Medical Center, 2017

Ketamine Task Force Lead Member, University Medical Center- 2017 -  
present

Consent Task Force, Member, University Medical Center- 2017 - present

Pain Clinic Task Force Member, University Medical Center. 2017 –  
present

Secretary, Medical Executive Committee- 2021 - Present

### **Community Service:**

#### **ATLS State Faculty for Louisiana**

2008 - Present. As one of only three state faculty in LA, I am involved in training physicians to become instructors and course directors and have been involved in training programs across the state, the accreditation of ATLS providers, instructors, and course directors. As such, I have been a part of unique programs such as **ATLS On The Road**, bringing ATLS to rural communities and training local physicians and caregivers and **PHTLS/ATLS** during which we help train senior paramedic students in the principles of ATLS using real-time scenarios

#### **LSUHSC Summer Research Program:**

2014 - Present. Served as faculty mentor for 1-4 students yearly participating in a yearly summer program through LSUHSC Basic Sciences department. This 6 week program pairs high-school, college, or junior medical students with LSU faculty to design, conduct, and analyze a research project to be presented at the annual research day forum.

#### **Course Director, Advanced Surgical Skills for Exposure in Trauma (ASSET):**

2015 - 2018. Schedule, prepare, coordinate and obtain funding for an advanced surgical skills cadaver course designed to teach practicing surgeons and senior surgical trainees (residents and fellows) from all of the area surgical residency programs rapid exposure of major vascular structures for emergency bleeding

control. Approximately one course per year, scheduled next course for October 2023.

**Scientific Community Outreach Project for Education (SCOPE)**

Founder and Faculty Advisor: 2016 - 2018. Started a project to engage the LSUHSC and Tulane University School of Medicine Scientific communities, including basic science and clinical faculty and students, with the Greater New Orleans area high schools. Developed a database of scientist volunteers who have gone out to area high schools to speak to classes about scientific engagement, promoted participation as judges for local and regional high school science fairs, and served as mentor for both students and teachers in order to develop a more robust scientific curriculum. At one point up to 8 active student members from LSHSC and Tulane University schools of medicine. The project was shut down due to lack of student involvement from subsequent classes.

**Greater New Orleans Science and Engineering Fairs (GNOSEF)**

Judge for junior and senior high school sessions, GNOSEF 2016, 2017, and 2018

**John Curtis Christian School**

Science mentor- Lectured senior high school class on scientific research in 2017, also mentored three students and assisted in their development of medically-oriented science projects presented at the 2017 GNOSEF

**Stop the Bleed Instructor**

Lead workshops for the American College of Surgeons "Stop-The-Bleed" initiative which began in 2017, serving as instructor for basic hemorrhage control skills sessions. Have taught at the New Orleans Saints Organization for Superdome employees (2018), community sessions held at UMC, local organizations such as Holy Name of Jesus School and LA Department of Corrections employees at regional correction facilities from 2018 - Present.

**Clinical Advisor, Surgical Skills Instructor, US Navy Special Warfare Medical Education Program**

Have led emergency medical skills teaching sessions, served as faculty advisor during simulated extraction field exercises and served as in-hospital instructor for Navy SEALs during their clinical rotation as part of their medical training curriculum since 2017.

**Clinical Advisor, Surgical Skills Instructor, US Coast Guard Aviation Survival Technicians**

Developed a training curriculum including skills training and didactic lectures for the local squad of US Coast Guard Rescue Swimmers in a two-year training cycle where they learn basic and advanced field rescue medical skills such as emergency airway access, pneumothorax decompression, wound care, hemorrhage control, intraosseous needle insertion, and fundamentals of trauma care through a class-room based and cadaver-lab based training curriculum. This informal program began in 2017 and has not continued since the Covid pandemic but we are working with the new leadership at USCG base to re-establish.

**Summer Health Professions Education Program (SHPEP):**

2018 Robert Wood Johnson Foundation-funded project, a 6 week residential enrichment program in which we have 80 aspiring pre-health undergraduate students from across the region/country spend 6 weeks with our campus embedded with health care professionals on a weekly rotating cycle to expose them to all aspects of healthcare. The program focuses on underrepresented minorities. As the Proctor for Surgical Services, I facilitated engagement with surgical teams and SHPEP students in an active observership at UMC including taking trauma call at our Level 1 Trauma Center.