

CURRICULUM VITAE

SHARVEN TAGHAVI, MD, MPH, MS, FACS, FCCP

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Citizenship: United States of America

Post-Graduate Medical Education

8/2017-7/2018 **Fellow, Surgical Critical Care**
Brigham and Women's Hospital/Harvard University, Boston, Massachusetts
Chief: Ali Salim, M.D.
Program Director: Reza Askari, M.D.

7/2015-11/2016 **Fellow, Cardiothoracic Surgery**
Barnes-Jewish Hospital/Washington University in St. Louis, St. Louis, Missouri
Chief: Ralph Damiano, M.D.
Program Director: Marc Moon, M.D.

6/2014-6/2015 **Chief Resident, General Surgery**
Temple University Hospital, Philadelphia, Pennsylvania
Chair: Dr. Amy Goldberg, M.D.
Program Director: Dr. Amy Goldberg, M.D.

6/2012-6/2014 **Senior Resident, General Surgery**
Temple University Hospital, Philadelphia, Pennsylvania
Chair: Dr. Selwyn Rogers, M.D.
Program Director: Dr. Amy Goldberg, M.D.

6/2010-6/2012 **Post-Doctoral Research Fellow**
Temple University Cardiovascular Research Center
Philadelphia, Pennsylvania
Principal Investigator: Dr. Steven Houser, Ph.D.

6/2008-6/2010 **Intern and Junior Resident, General Surgery**
Temple University Hospital, Philadelphia, Pennsylvania
Chairman: Dr. Daniel Dempsey, M.D.
Program Director: Dr. Amy Goldberg, M.D.

Education

- 2004-2008 **Tufts University School of Medicine**, Boston, Massachusetts
Medical Doctorate
- 2004-2008 **Tufts University School of Public Health**, Boston, Massachusetts
Masters of Public Health
- 2002-2003 **Georgetown University**, Washington, D.C.
M.S. in Physiology and Biophysics, *with distinction*
- 1999-2002 **University of Virginia**, Charlottesville, Virginia
B.S. in Chemistry with specialization in Biochemistry
Minor in Middle Eastern Studies

Board Certification

Diplomat of the American Board of Surgery
General Surgery, Certificate # 064155
Certified: 11/2018
Recertified: 10/2021

Diplomat of the American Board of Surgery
Surgical Critical Care, Certificate # 004516
Certified: 9/2019
Recertified: 11/2021

Academic Appointments

- 9/24-present **William Henderson Endowed Chair of Surgery III**
Tulane University School of Medicine, New Orleans, LA
Department of Surgery, Division of Trauma and Critical Care
- 7/23-present **Associate Professor**
Tulane University School of Medicine, New Orleans, LA
Department of Surgery, Division of Trauma and Critical Care
- 9/2018- 6/23 **Assistant Professor**
Tulane University School of Medicine, New Orleans, LA
Department of Surgery, Division of Trauma and Critical Care
- 3/2019- present **Clinical Assistant Professor**
Louisiana State University School of Medicine, New Orleans, LA
Department of Surgery, Division of Trauma

Leadership Appointments

- 9/2024-present **Division Chief, Trauma and Surgical Critical Care**
Tulane School of Medicine, New Orleans, LA
Department of Surgery
- 3/2024-9/2024 **Section Chief, Acute Care Surgery**
Tulane School of Medicine, New Orleans, LA

Department of Surgery, Division of Trauma and Surgical Critical Care

9/2021-2/2024 **Director of Acute Care Surgery**
Tulane Medical Center, New Orleans, LA
Department of Surgery, Division of Trauma and Surgical Critical Care

Educational Appointments

9/21–present Resident Rotation Site Director, Acute Care Surgery Service
Tulane Medical Center/East Jefferson Hospital, New Orleans, LA
Department of Surgery, Division of Trauma and Surgical Critical Care

8/2019-8/2020 **Associate Program Director of Trauma Education**
Our Lady of the Lake Regional Medical Center, Baton Rouge, LA
Department of Surgery, Trauma Specialists

Hospital Privileges

6/2022-present **Attending Physician**
Children’s Hospital of New Orleans, New Orleans, LA
Department of Surgery, Division of Trauma and Critical Care

6/2019-present **Attending Physician**
University Medical Center, New Orleans, LA
Department of Surgery, Division of Trauma and Critical Care

9/2018-present **Attending Physician**
Tulane University Medical Center, New Orleans, LA
Department of Surgery, Division of Trauma and Critical Care

9/2018-8/2020 **Attending Physician**
Our Lady of the Lake Medical Center, Baton Rouge, LA
Department of Surgery, Trauma Specialists

3/2017-7/2017 **Attending Physician**
St. Francis Medical Center, Cape Girardeau, Missouri
Locums Tenens Trauma Surgeon

1/2017-3/2017 **General Surgeon**
Cox Medical Center Branson, Branson, Missouri
Locums Tenens General Surgeon

12/2016-12/2016 **Trauma Surgeon**
Research Medical Center, HCA Midwest, Kansas City, Missouri
Locums Tenens Trauma Surgeon

Research Grants and Funding

7/24-6/29 **Co-Investigator (3% effort)**
National Institute of General Medical Sciences
R01GM151631-01A1 (PI: Jackson-Weaver)
Alterations to Endothelial Membrane Composition and Structure as a Driver of the
Endotheliopathy of Trauma
Total Amount: \$1,644,750

- 9/21-9/26 **Co-Investigator/Trauma Advisor (5% effort)**
Centers for Disease Control and Prevention (CDC) Center Grant
 U01 CE003384-01 (PI: Theall/Constans)
Center for Youth Equity (CYE) at Tulane University: A Community-Centered Approach to Youth Violence Prevention
 This project establishes the first CDC-funded Prevention Research Center in the Gulf South explicitly focused on youth violence prevention. I will serve as a co-investigator and trauma advisor in the hospital based, gun violence prevention initiative for gun violence victims admitted to the trauma service. Enrolled subjects will be studied for long-term benefits of the program.
 Total amount: \$5,800,000
- 6/24-5/25 **Lavin-Bernick Award**
Tulane University School of Medicine
Development of Endothelial Succinate Dehydrogenase Knockout Mouse
 Amount: \$9,000
- 7/21-6/22 **Research Scholarship Award**
Eastern Association for the Surgery of Trauma
Engineered Stem Cells for Acute Lung Injury
 This scholarship provides funding for a period of one year to an early career trauma surgeon based on the applicant's potential for future contributions to the science and practice of the surgery of trauma, the applicant's mentor support, and their dedication to the research proposal.
 Amount: \$40,000
- 7/19-6/23 **Physician Scientist Pipeline Program (50% effort)**
Tulane School of Medicine
Adipose derived Mesenchymal Stem Cells with Interleukin-22 Overexpression as a Novel Therapeutic for ARDS
 The goal of this program is to provide dedicated, protected research time to Tulane faculty members. It provides career development opportunities to early-stage physicians at Tulane School of Medicine.
 Amount: \$500,000
- 8/20-2/21 **Visiting Scholar Award**
Louisiana Clinical and Translational Science Center (LA CaTS)
Establishing A Translational Model of Traumatic Multisystem Organ Failure in Swine
 This award provides funding to visit the laboratory of Dr. Martin Schreiber at Oregon Health Sciences University to learn about his swine model of multisystem organ failure. It also provides funding to help establish that model at Tulane University School of Medicine.
 Amount: \$5,000
- 7/19-6/21 **Principal Investigator**
Tulane School of Medicine Pilot Grant
Adipose derived Mesenchymal Stem Cells with Interleukin-22 Overexpression to Repair the Acutely Injured Murine Lung
 The goal of this study is to increase the therapeutic properties of adipose derived mesenchymal stem cells by increasing their secretion of Interleukin-22 in a murine model of acute lung injury.
 Amount: \$25,000
- 1/20-5/22 **Site Principal Investigator**
ARIDIS Ventilator Associated Pneumonia Clinical Trial
 A Monoclonal Anti-body to study MRSA Pneumonia
 An Industry sponsored randomized-controlled clinical trial to study a monoclonal antibody for the treatment of methicillin-resistant staph aureus (MRSA).
 Amount: \$22,000

- 12/18-3/19 **Principal Investigator**
Center for Clinical and Translational Science (CCTS)
Examining Health Disparities in Trauma Response Systems
 The goal of this project is to examine disparities and system issues that could improve outcomes in trauma patients using the American College of Surgeons National Trauma Databank.
 Amount: \$5,000
- 7/11-7/13 **Principal Investigator**
National Heart, Lung, and Blood Institute (NHLBI), National Institute of Health (NIH)
 1F32 HL110687-01
Improving Cardiac Regeneration Using Stem Cells with Enhanced Calcium Influx
 The major goal of this project was to increase the regenerative capability of bone marrow and cardiac derived CD117+ stem cells by enhancing calcium influx through genetic modifications that increase calcium influx.
 Amount: \$106,084
- 1/10-1/11 **Principal Investigator**
Temple University SEED Grant for Research
 167141-04730-02
Still Making the Case for “Scoop and Run”: A Rat Hemorrhagic Shock Model
 The goal of this project was to create an animal model that simulates penetrating trauma and to determine if endotracheal intubation provides a survival benefit in this model of hemorrhagic shock.
 Amount: \$5,000
- 2/08-4/08 **Principal Investigator**
Tufts University Alumni Association Public Health Grant
Road Traffic Accidents Along the Maua-Meru Highway in Meru, Kenya
 Studied the frequency of road traffic accidents along the Maua-Meru in highway at Kenya Methodist University in Meru, Kenya and identified independent risk factors for road traffic accidents.
 Amount: \$1,000

Research Experiences

- 7/10-7/12 **Post-Doctoral Research Fellow**
Cardiovascular Research Center, Temple University School of Medicine, Philadelphia, PA
 Principal Investigator: Dr. Steven Houser, Ph.D.
 Investigated the use of bone marrow and cardiac derived stem cells as a potential treatment of heart disease in a murine myocardial infarction model, a porcine ischemia-reperfusion model, and a feline isoproterenol-induced cardiomyopathy model.
- 1/08-4/08 **Public Health Applied Learning Experience**
Kenya Methodist University, Meru, Kenya
 Preceptor: Dr. John Muchiri Ph.D.
 Studied the frequency of road traffic accidents along the Maua-Meru in highway at Kenya Methodist University in Meru, Kenya and identified independent risk factors for road traffic accidents.
- 5/05-8/05 **Public Health Applied Learning Experience**
Iranian Hemophilia Treatment Center, Tehran, Iran
 Preceptor: Dr. Freydoon Alla, M.D.
 Investigated the prevalence of depression in Iranian Hemophiliacs attending the Hepatitis clinic.

6/03-8/04

Research Assistant

Medical College of Virginia, Department of Rheumatology, Allergy, and Immunology,
Richmond, Virginia

Principal Investigator: Christopher Kepley, Ph.D.

Studied the role of mast cell receptors and cell signaling pathways in allergic disease. Isolated and maintained stem cell tissue cultures for differentiation into mast cells.

Peer Reviewed Original Research Publication

- 1) Ghio M., Ali A., Simpson J., Campbell A., Duchesne J., Tatum D., Chaparro P., Constans J., Fleckman J., Theall, **Taghavi S.** Firearm Homicide Mortality is Linked to Food Insecurity in Major U.S. Metropolitan Cities. *The American Surgeon*. Accepted for Publication.
- 2) Raza S., Tatum D., Nordham K., Broome J., Keating J., Maher Z., Goldberg A., Tatebe L., EAST Prehospital Procedures in Penetrating Trauma Study Group, **Taghavi S.** Tranexamic Acid and Pulmonary Complications: A Secondary Analysis of an EAST Multicenter Trial. *The American Surgeon*. Accepted for Publication.
- 3) Simpson J., Nordham K., Tatum D., Haut E., Ali A., Maher Z., Goldberg A., Tatebe L., EAST Prehospital Procedures in Penetrating Trauma Study Group, **Taghavi S.** Stop the Bleed – Wait for the Ambulance or Get in the Car and Drive? A Post Hoc Analysis of an EAST Multicenter Trial. *The American Surgeon*. Accepted for Publication.
- 4) Nordham K., Tatum D., Attia A., Patel M., Paramesh P., Duchesne J., Nahmias J., Maiga A., Catastrophic Brain Injury Study Group, **Taghavi S.** Impact of Catastrophic Brain Injury Guidelines on Organ Donation Rates: Results of an EAST Multicenter Trial. *Journal of Trauma and Acute Care Surgery*. Accepted for Publication.
- 5) Loe M., Broome J., Mueller L., Simpson J., Tatum D., McGrew P., **Taghavi S.**, Jackson-Weaver O., DuBose J., Duchesne J. Resuscitative Endovascular Balloon Occlusion of the Aorta in the Patient with Obesity. *Journal of Trauma and Acute Care Surgery*. Accepted for Publication.
- 6) **Taghavi S.**, Engelhardt D., Campbell A., Goldvarg-Abud I., Duchesne J., Shaheen F., Pociask D., Kolls J., Jackson-Weaver O. Dimethyl Sulfoxide as a Novel Therapy in a Murine Model of Acute Respiratory Distress Syndrome. *Journal of Trauma and Acute Care Surgery*. Online ahead of print. PMID: 38444065.
- 7) Duchesne J., McLafferty B., Broome J., Caputo S., Ritondale J., **Taghavi S.**, Jackson-Weaver O., McGrew P., Harrell K., Smith A., Nichols E., Dransfield T., Marino M., Piehl M. Every Minute Matters: Improving Outcomes for Penetrating Trauma Through Prehospital Advanced Resuscitative Care. Online Ahead of Print. PMID: 38689386.
- 8) **Taghavi S.**, Campbell A., Duchesne J., Shaheen F., Pociask D., Kolls J., Jackson-Weaver O. Dimethyl Malonate Protects the Lung in a Murine Model of ARDS. *Journal of Trauma and Acute Care Surgery*. Online Ahead of Print. PMID: 37934622.
- 9) Ritondale J., Piehl M., Caputo S., Broome J., McLafferty B., Anderson A., Belding C., Tatum D., **Taghavi S.**, McGrew P., Harrell K., Jackson-Weaver O., Smith A., Marino M., Dransfield T., Duchesne J. The Impact of a Prehospital “x-ABC” Resuscitation Sequence in Patients with Severe Hemorrhage. *Journal of the American College of Surgeons (JACS)*. 2024 1;238(4): 367-373. PMID: 38197435.
- 10) Broome J., Nordham K., Piehl M., Tatum D., Caputo S., Belding C., De Maio V., **Taghavi S.**, Jackson-Weaver O., Harris C., McGrew P., Smith A., Nichols E., Dransfield T., Rayburn D., Marino M., Avegno J., Duchesne J. Faster Refill in an Urban EMS System Saves Lives: A Prospective Preliminary Evaluation of a Prehospital Advanced Resuscitative Care Bundle. *Journal of Trauma and Acute Care Surgery*. 2024 1;96(5): 702-707. PMID: 38189675.

- 11) Cironi K., Albuck A., McLafferty B., Mortemore A., McCarthy C., Hussein M., Issa P., Metz T., Herrera M., Toraih E., **Taghavi S.**, Kandil E., Turner J. Risk Factors for Postoperative Infections Following Appendectomy of Complicated Appendicitis: A Meta-analysis and Retrospective Single-institutional Study. *Surgical Laparoscopy Endoscopy & Percutaneous Techniques*. 2024 1;34(1): 20-28. PMID: 37852230.
- 12) Ghio M., Ghio C., Campbell A., Fleckman J., Theall K., Constans J., Tatum D., McGrew P., Duchesne J. **Taghavi S.** Tropical Storms and Hurricanes in New Orleans Lead to Increased Rates of Violent Injury. *Disaster Medicine and Public Health Preparedness*. 2023 31;17: e473. PMID: 37650226.
- 13) Ghio M., Simpson J., Ali A., Fleckman J., Theall K., Constans J., Tatum D., McGrew P., Duchesne J., **Taghavi S.** Structural Racism and Mass Shooting Events in Major US Cities: A Cross-Sectional Analysis. *JAMA Surgery*. 2023 1; 158(10): 1032-1039. PMID: 37466952.
- 14) **Taghavi S.**, Abdullah S., Shaheen F., Packer J., Duchesne J., Braun S., Steele C., Pociask D., Kolls J., Jackson-Weaver O. Exosomes and Microvesicles From Adipose-Derived Mesenchymal Stem Cells Protect the Endothelial Glycocalyx from LPS Injury. *Shock: Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. 2023; 1;60(1): 56-63. PMID: 37086080.
- 15) Abdullah S., Ghio M., Cotton-Betteridge A., Vinjamuri A., Drury R., Packer J., Oguz A., Friedman J., Mardeen K., Engelhardt D., Kosowski E., Duong K., Shaheen F., McGrew P., Harris C., Reily R., Sammarco M., Chandra P., Pociask D., Kolls J., Katakam P., Smith A., **Taghavi S.**, Duchesne J., Jackson-Weaver O. Succinate Metabolism and Membrane Organization Drives the Endotheliopathy and Coagulopathy of Traumatic Hemorrhage. *Science Advances*. 2023; 16;9(24). PMID: 37315138.
- 16) Ali A., Broome J., Tatum D., Abdullah Y., Black J., Simpson J., Salim A., Duchesne J., **Taghavi S.** Cost Effectiveness of Universal Screening for Blunt Cerebrovascular Injury: A Markov Analysis. *Journal of the American College of Surgeons (JACS)*. 2023 1;236(3): 468-475. PMID: 36440860.
- 17) Ali A., Simpson J., Tatum D., Sedhom J., Broome J., McGrew P., Duchesne J., **Taghavi S.** Traumatic Injury in Pregnancy: A Propensity-Score Matched Analysis. *Journal of Surgical Research*. 2023; 283: 1018-1025. PMID: 36914991.
- 18) **Taghavi S.**, Abdullah S., Shaheen F., Mueller L., Gagen B., Duchesne J., Steele C., Pociask D., Kolls J., Jackson-Weaver O. Glycocalyx Degradation and the Endotheliopathy of Viral Infection. *PLOS One*. 2022 Oct 19;17(10)e0276232. PMID: 36260622.
- 19) **Taghavi S.**, Maher Z., Goldberg A., Haut E., Raza S., Chang G., Tatebe L., Toraih E., Mendiola M., and EAST Prehospital Procedures in Penetrating Trauma Study Group. An Analysis of Police Transport in An Eastern Association for the Surgery of Trauma Multicenter Trial Examining Prehospital Procedures in Penetrating Trauma Patients. *Journal of Trauma and Acute Care Surgery*. 2022 1;93(2): 265-272. PMID: 35142224.
- 20) Harris C., **Taghavi S.**, Bird E., Duchesne J., Jacome T., Tatum D. Prehospital Simple Thoracostomy Does Not Improve Patient Outcomes Compared to Needle Thoracostomy in Severely Injured Trauma Patients. *The American Surgeon*. 2023; 89(5): 1736-1743. PMID: 35142224.
- 21) Broome J., Ali A., Simpson J., Tran S., Tatum D., **Taghavi S.**, Dubose J., Duchesne J., and the AORTA Study Group. Impact of Time to Emergency Department Resuscitative Aortic Occlusion Following Non-Compressible Torso Hemorrhage. *Shock: Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. 2022 1;58(4): 275-279. PMID: 36256624.
- 22) **Taghavi S.**, Chun T., Bellfi L., Malone C., Oremosu J., Ali A., Toraih E., Duchesne J., Tatum D. A Propensity-Matched Analysis of Tranexamic Acid and ARDS in Trauma Patients. *Journal of Surgical Research*. 2022; 281: 45-51. PMID: 36115148.

- 23) Wu R., Smith A., Brown T., Hunt J., Greiffenstein P., **Taghavi S.**, Tatum D., Jackson-Weaver O., Duchesne J. Deterioration Index in Critically Injured Patients: A Feasibility Analysis. *Journal of Surgical Research*. 2022; 280: 469-474. PMID: 36058012.
- 24) Simpson J., Hussein M., Toraih E., Suess M., Tatum D., **Taghavi S.**, McGrew M. Trends and Burden of Firearm-Related Injuries Among Children and Adolescents: A National Perspective. *Journal of Surgical Research*. 2022; 280: 63-73. PMID: 35963016.
- 25) **Taghavi S.**, Abdullah S., Toraih E, Packer J., Drury R., Oguz A., Kosowski E., Shaheen F., Duchesne J., Jackson-Weaver O. Dimethyl Malonate Slows Succinate Accumulation and Preserves Cardiac Function in a Swine Model of Hemorrhagic Shock. *Journal of Trauma and Acute Care Surgery*. 2022; 93 (1): 13-20. PMID: 35234713.
- 26) Ali A, Tatum D, Olubowale O, McGrew PR, Duchesne J, **Taghavi S.** Thromboembolic Outcomes in THC Positive Trauma Patients with Traumatic Brain Injury. *Journal of Surgical Research*. 2022; 275: 194-202. PMID: 35305485.
- 27) Ali A, Broome J, Tatum D, Fleckman J, Theall K, Chaparro MP, Duchesne J, **Taghavi S.** The Association between Food Insecurity and Gun Violence in a Major Metropolitan City. *Journal of Trauma and Acute Care Surgery*. 2022; 93(1): 91-97. PMID: 35234710.
- 28) Bryant M., Tatebe L., Siva N., Udekuw P., Wurzelmann M., Crandall M., Zuniga Y., Tran V., Santos A., Krause C., Turay D., Nordham K., Taghavi S., The Outcomes After Acute Care Surgery and Trauma Care in Incarcerated Individuals EAST Multicenter Trial Study Group. *Journal of Trauma and Acute Care Surgery*. 2022; 93(1): 75-83. PMID: 35358121.
- 29) Duchesne J., **Taghavi S.**, Toraih E., Simpson J., Tatum D. State Gun Law Grades and Impact on Mass Shooting Incidence: An 8-Year Analysis. *Journal of the American College of Surgeons*. 2022; 234(4): 645-651. PMID: 35290284.
- 30) Ninokawa S., Tatum D., Toraih E, Nordham K, Ghio M., **Taghavi S.**, Guidry C., McGrew P., Schroll R., Harris C., Duchesne J. Elevated K/iCa Ratio is an Ancillary Predictor for Mortality in Patients with Severe Hemorrhage: A Decision Tree Analysis. *American Journal of Surgery*. 2022; 223(6): 1187-1193. PMID: 34930584.
- 31) Chun M., Zhang Y., Becnel C., Brown T., Hussein M., Toraih E., **Taghavi S.**, Guidry C., Duchesne J., McGrew P. New Injury Severity Score and Trauma Injury Severity Score are Superior in Predicting Trauma Mortality. *Journal of Trauma and Acute Care Surgery*. 2022; 92(3): 528-534. PMID: 34739004.
- 32) Yorkgitis B., Tatum D., **Taghavi S.**, Schroppel T., Noorbakhsh M., Hite P., EAST Prehospital Study Group of Pre-Injury Anti-Thrombotic Use. EAST Multi-Center Trial: Comparison of Pre-Injury Anti-Thrombotic Use and Reversal Strategies Among Severe TBI Patients. *Journal of Trauma and Acute Care Surgery*. 2022; 92(1): 88-92. PMID: 34570064.
- 33) Smith A., Shapiro M., Fabian R., Mejia Morales H., **Taghavi S.**, Duchesne J., Schroll R., McGrew P. Re-visiting Drain Use in Operative Liver Trauma: A Retrospective Analysis. *Journal of Surgical Research*. 2022; 270: 76-84. PMID: 34597299.
- 34) **Taghavi S.**, Jackson-Weaver O., Abdullah S., Wanek A., Drury R., Packer J., Cotton-Betteridge A., Duchesne J., Pociask D., Kolls J. Interleukin-22 Mitigates Acute Respiratory Distress Syndrome (ARDS). *PLOS ONE*. 2021; 16(10). PMID: 34597299.
- 35) Green E., Toraih E., Tatum D., Guidry C., McGrew P., Schroll P., Hussein M., Kolls J., Duchesne J., **Taghavi S.** Surgical Stabilization is Associated with Improved Survival Without Increasing Readmission After Traumatic Rib Fractures. *Surgery*. 2021; 170(6): 1838-1848. PMID: 34215437.

- 36) Houghton A., Burley N., Byrne T., Tatum D., Toraih E., Jackson-Weaver O., McGrew P., Duchesne J., **Taghavi S.** Firearm Homicide Mortality is Influenced by Structural Racism in U.S. Metropolitan Areas. *Journal of Trauma and Acute Care Surgery*. 2021;91 (1): 64-71. PMID 33797488.
- 37) Chun M., Zhang Y., Nguyen An., Becnel C., Noguera V., **Taghavi S.**, Guidry C., Hussein M., Toraih M., McGrew P. How Does Insurance Status Correlate with Trauma Mechanisms and Outcomes? A Retrospective Study at a Level 1 Trauma Center. *The American Surgeon*. Online Ahead of Print. PMID: 34256642
- 38) Abdullah S., Karim M., Legendre M., Rodriguez L., Friedman J., Cotton-Betteridge A., Drury R., Packer J., Guidry C., Duchesne J., **Taghavi S.**, Jackson-Weaver O. Hemorrhagic Shock and Resuscitation Causes Glycocalyx Shedding and Endothelial Oxidative Stress Preferentially in the Lung and Intestinal Vasculature. *Shock: Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. Online Ahead of Print. PMID: 34259440.
- 39) Duchesne J., **Taghavi S.**, Ninokawa S., Harris C., Schroll R., McGrew P., McGinness C., Reily R., Guidry C., Tatum D. After 800 MTP Events, Mortality Due to Hemorrhagic Shock Remains High and Unchanged Despite Several Hemorrhage Control Advancements; Is It Time to Move the Pendulum? *Shock: Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. Online Ahead of Print. PMID: 34048424.
- 40) Hussein M., Toreih A., Attia A., Alrowaili M., Fawzy M., Tatum D., Toraih E., Kandil E., Duchesne J., **Taghavi S.** Trampoline Injuries in Children and Adolescents: A Jumping Threat. *Pediatric Emergency Care*. Online Ahead of Print. PMID: 34339161.
- 41) **Taghavi S.**, Maher Z., Goldberg A., Chang G., Mendiola M., Anderson C., Ninokawa S., Tatebe L., Maluso P., Raza S., and EAST Prehospital Procedures in Penetrating Trauma Study Group. An EAST Multicenter Trial Examining Prehospital Procedures in Penetrating Trauma Patients. *Journal of Trauma and Acute Care Surgery*. 2021;91 (1): 130-140. PMID 33675330.
- 42) Toraih E., Hussein M., Tatum D., Reisner A., Kandil E., Killackey M., Duchesne J., **Taghavi S.** The Burden of Readmission After Discharge From Necrotizing Soft Tissue Infection. *Journal of Trauma and Accute Care Surgery*. 2021;91 (1): 154-163. PMID 33755642.
- 43) **Taghavi S.**, Jackson-Weaver O. Abdullah S., Goldberg A., Lawicki S., Killackey M., Duchesne J., Pociask D., Steele C., Kolls J. A Comparison of Growth Factors and Cytokines in Fresh Frozen Plasma and Never Frozen Plasma. *Journal of Surgical Research*. 2021;264: 51-57. PMID 33773321.
- 44) Toraih E., Hussein M., Elshazli R., Kline A., Munshi R., Sultana N., **Taghavi S.**, Killackey M., Duchesne J., Toraih E., Fawzy M., Kandil E. Multisystem Inflammatory Syndrome in pediatric COVID-19 Patients: A Meta-Analysis. *World Journal of Pediatrics*. 2021;17(2): 141-151. PMID 33608839.
- 45) **Taghavi S.**, Abdullah S., Duchesne J., Pociask D., Kolls J., Jackson-Weaver O. IL-22 Mitigates Endothelial Glycocalyx Shedding After LPS Injury. *Journal of Trauma and Acute Care Surgery*. 2021: 90 (2): 337-345. PMID 33502147.
- 46) **Taghavi S.**, Ali A., Green E., Schmitt K., Jackson-Weaver O., Tatum D., Harris C., Guidry C., McGrew P., Schroll R., Kolls J., Duchesne J. Surgical Stabilization of Rib Fractures is Associated with Improved Survival but Increased Acute Respiratory Distress Syndrome. *Surgery*. 2021;169 (6): 1525-1531. PMID 33461776.
- 47) Duchesne J., Smith A., Lawicki S., Hunt J., Houghton A., **Taghavi S.**, Schroll R., Jackson-Weaver O., Guidry C., Tatum D. Single Institutional Trial Comparing Whole Blood vs. Balanced Component Therapy: 50 Years Later. *Journal of the American College of Surgeons*. 2021;232 (4): 433-442. PMID 33348017.

- 48) Ali A, Tatum D, Jones G, Guidry C, McGrew P, Schroll R, Harris C, Duchesne J, **Taghavi S**. Computed Tomography for Pediatric Pelvic Fractures in Pediatric versus Adult Trauma Centers. *Journal of Surgical Research*. 2021;259: 47-54. PMID 33279844.
- 49) Friedman J, Mytty E, Ninokawa S, Reza T, Kaufman E, Raza S, Horwitz B, Asher J, **Taghavi S**, Guidry C, Duchesne J. A Tale of Two Cities: What is Driving the Firearm Mortality Difference in Two Large Urban Centers. *The American Surgeon*. Online Ahead of Print. PMID 33497253.
- 50) **Taghavi S**, Ramirez S, Duchesne J, Tatum D. Pre-injury Use of Marijuana and Outcomes the Trauma. *Journal of Surgical Research*. 2021;257: 42-49. PMID 32818783.
- 51) **Taghavi S**, Tatum D, Reza T, Smith A, McGrew P, Harris C, Guidry C, Schroll R, Duchesne J. Sex Differences in the Massively Transfused Trauma Patient. *Shock: Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. 2021;55(5): 607-612. PMID: 32554992.
- 52) Smith A, Hendrix V, Shapiro M, Duchesne J, McGrew P, McGinness C, Harris C, **Taghavi S**, Schroll R, Tatum D, Guidry C. Is the “Death Triad” a casualty of modern damage control resuscitation: A retrospective review of trauma patients undergoing damage control laparotomies. *Journal of Surgical Research*. 2021;259: 393-398. PMID: 33092859.
- 53) Ibraheem K, Wong S, Smith A, Guidry C, McGrew P, McGinness C, Duchesne J, **Taghavi S**, Harris C, Schroll R. Computed Tomography Angiography in the “No Zone” Approach Era for Penetrating Neck Trauma: A Systematic Review. *Journal of Trauma and Acute Care Surgery*. 2020;89(6): 1233-1238. PMID: 32890346.
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- 100) Kepley C., **Taghavi S.**, Mackay G., Zhu D., Morel P., Zhang K., Ryan J., Satin L., Zhang M., Pandolfi P., Saxon A. Co-aggregation of FcRII with FcRI on Human Mast Cells Inhibits Antigen-induced Secretion and Involves SHIP-Grb2-Dok Complexes. *Journal of Biological Chemistry*. 2004; 279(34): 35139-35149. PMID: 15151996.

Invited Discussant/Moderator

1. Invited Moderator – Society of University Surgeons (SUS) New Member Poster Presentations. *Academic Surgical Congress*. February 2024.
2. Invited Moderator – Clinical/Outcomes: Trauma/Critical Care Quickshot Session VI. *Academic Surgical Congress*. February 2024.

3. Invited Discussant, Quickshot Session: Mesenchymal Stem Cells Do Not Produce Measurable Hypercoagulability on Viscoelastic Testing. *American Association for the Surgery of Trauma*. September 2023.
4. Invited Moderator, Session 39 – Clinical/Outcomes: Trauma/Critical Care Oral Session III. *Academic Surgical Congress*. February 2023.
5. Structural Violence, Gun Violence, and Health Equity. Invited Panelist. *Partners for Advancing Health Equity*. Panelist. August 16, 2022.
6. Weekly Trauma Conference Case Presentations. Invited Moderator. Weekly Trauma Conference and Case Presentations. Oregon Health Sciences University (OHSU) Department of Surgery. February 9th, 2022.
7. Invited Moderator, Mini-Oral Presentations, Surgical Potpourri I. *Louisiana Chapter of The American College of Surgeons Annual Meeting*. March 2022.
8. Invited Moderator, Session 41 - Basic Science: Trauma/Critical Care Basic Science Oral Session. *Academic Surgical Congress*. February 2021.
9. Invited Moderator, Poster Professor Session – “Soft Tissue/Head and Neck Trauma” and “Trauma Education and Prevention”. *American Association for the Surgery of Trauma*. September 2020.
10. Invited Paper Discussant, Plenary Session 4 – “Do Lidocaine Patches Reduce Opioid Use in Acute Rib Fractures?” *Southeastern Surgical Congress Meeting*. February 2020.
11. Invited Moderator, Quickshot Oral Session 2. *Southeastern Surgical Congress Meeting*. February 2020.
12. Invited Moderator, Session 30 - Basic Science: Trauma and Critical Care Oral Session I. *Academic Surgical Congress*. February 2020.
13. Invited Paper Discussant, Transplant, Immunology, Critical Care Session. “Heart Rate Variability in Human Endotoxemia as a Potential Marker for Immune Response Using a Practical Wearable Device.” *Surgical Infection Society*. June 2019.

Abstracts and Presentations

- 1) Campbell A., Smith E., Ghio M., Altman J., Fleckman J., Persons E., Harrell K., Tatum D., McGrew P., Zhang J., Theall K., **Taghavi S.** Investigating Access to Electricity as a Social Determinant of Gun Violence in Major US Cities. Oral presentation. *Academic Surgical Congress*. February 2025.
- 2) Caputo S., Brucia K., Balaraman P., Zhang J., McGrew P., Duchesne J., Tatum D., **Taghavi S.**, Harrell K.. Comparison of Penetrating Mechanisms in Attempted Self-harm Trauma Patients. Oral presentation. *Academic Surgical Congress*. February 2025.
- 3) **Taghavi S.**, Shaheen F., Engelhardt D., Newell A., Dasinger J., Kolls J., Brooks H., Jackson-Weaver J. Interleukin-22 As A Novel Therapy for Trauma Relevant Acute Kidney Injury. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2025.
- 4) Campbell A., Attia A., Atiya W., Ghio M., Tatum D., McGrew P., Zhang J., Harrell K., Duchesne J., **Taghavi S.** Analysis of Outcomes With Whole Blood Transfusion vs. Balanced Component Therapy. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2024.

- 5) Altman J., Campbell A., Smith E., Persons E., Theall K., Fleckman J., Duchesne J., Zhang J., Harrell K., Taghavi S., Transportation Access As A Structural Determinant of Firearm Violence. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2024.
- 6) McLafferty B., Matzko C., Noguera V., Bellfi L., Smith A., Duchesne J., Zhang J., McGrew P., **Taghavi S.**, Harrell K. MRSA Nasal Swabs Predict the Need for Antibiotic Coverage in a Trauma Population. Poster Presentation. *American Association for the Surgery of Trauma*. September 2024.
- 7) Anderson A., Broome J., Shenk M., Noguera V., Covey W., Smith A., Duchesne J., Tatum D., Bojanowski C., Pociask D., Kolls J., Jackson-Weaver O., **Taghavi S.** Interleukin-22 and Interleukin-22 Binding Protein Signaling Influences Respiratory Failure in Trauma. *Academic Surgical Congress*. February 2024.
- 8) Loe M., DeMond J., Ghio M., Fleckman J., Constans J., Tatum D., McGrew P., Duchesne J., Gray F., Theall K., **Taghavi S.** Housing Instability's Association with Gun Violence in a Major Metropolitan City. *Academic Surgical Congress*. February 2024.
- 9) **Taghavi S.**, Engelhardt D., Campbell A., Duchesne J., Shaheen F., Pociask D., Kolls J., Jackson-Weaver O. Dimethyl Sulfoxide as a Novel Therapy in a Murine Model of Acute Respiratory Distress Syndrome. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2024.
- 10) Nordham K., Tatum D., Patel M., Paramesh A., Duchesne J., Nahmias J., Maiga A., Peetz A., EAST Catastrophic Brain Injury Multicenter Trial Study Group, **Taghavi S.** Impact of Catastrophic Brain Injury Protocol on Organ Donation Rates: Results of an EAST Multicenter Trial. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2024.
- 11) Theall K., Fleckman J., Francois S., Ornelas L., Branas C., Constans J., **Taghavi S.** Getting at the Root: The Role of Structural Racism on Youth Homicide. Symposium Oral Presentation. *2023 National Research Conference for the Prevention of Firearm-Related Harms*. December 2023.
- 12) Loe M., Ghio C., Ghio M., Constans J., Fleckman J., McGrew P., Duchesne J., Theall K., Taghavi S. Housing Instability and Income Inequality Affect Firearm Homicide Mortality: A Cross-Sectional Analysis of Major US Metropolitan Cities. *2023 National Research Conference for the Prevention of Firearm-Related Harms*. December 2023.
- 13) Belding C., Broome J., Nordham K., Piehl M., De Maio V., Tatum D., **Taghavi S.** Dransfield T., Yu D., Duchesne J. An Advanced Resuscitative Care Bundle in Pediatric Trauma. *Pediatric Trauma Society Annual Meeting*. November 2023.
- 14) Nordham K., **Taghavi S.**, Aryan N., Nahmias J., Kamine T. Necessity of Interfacility Trauma Patient Transfers: A Multicenter Analysis. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2023.
- 15) **Taghavi S.**, Duchesne J., Shaheen F., Pociask D., Kolls J., Jackson-Weaver O. Dimethyl Malonate Protects the Lung in a Murine Model of ARDS. Oral Presentation. *American Association for the Surgery of Trauma*. September 2023.
- 16) Broom J., Nordham K., Tatum D., Piehl M., DeMaio V., **Taghavi S.**, Jackson-Weaver O., Harris C., Smith A., Nichols E., Dransfield T., Rayburn D., Marino M., Avegno J., Duchesne J. Faster Refill in an Urban EMS System Saves Lives: A Prospective Preliminary Evaluation of a Prehospital Advanced Resuscitative Care Bundle. Oral Presentation. *American Association for the Surgery of Trauma*. September 2023.

- 17) Nordham K., Altman J., Jackson-Weaver O., **Taghavi S.**, Tatum D., Duchesne J. Analysis of Publication Rates of Presentations at American Trauma/Acute Care Surgery Conferences. Poster Presentation. *American Association for the Surgery of Trauma*. September 2023.
- 18) Ghio M., Tatum D., McGrew P., Duchesne J., Theall K., Constans J., Fleckman J., **Taghavi S.** Tropical Storms and Hurricanes in the Big Easy Lead to Increased Rates of Violent Injury. Quickshot Presentation. *Academic Surgical Congress*. February 2023.
- 19) Ghio M., Ali A., Simpson J., Duchesne J., Tatum D., Chaparro P., Constans J., Fleckman J., Theall K., **Taghavi S.** Food Insecurity Influences Firearm Homicide Mortality in United States Metropolitan Areas. Quickshot Presentation. *Academic Surgical Congress*. February 2023.
- 20) Simpson J., Ghio M., Ali A., Fleckman J., Constans J., Theall K., McGrew P., Duchesne J., Tatum D., **Taghavi S.** Impacts of Tourism on Gun Violence in a Tourist Destination City. Quickshot Presentation. *Academic Surgical Congress*. February 2023.
- 21) Ghio M., Ali A., Theall K., Fleckman J., Constans J., Tatum D., McGrew P., Duchesne J., **Taghavi S.** Mass Shooting Events in Major US Cities Predominantly Affect Communities of Color. Oral Presentation. *2022 National Research Conference on Firearm Injury Prevention*. November 2022.
- 22) Simpson J., Tatum D., Haut E. Ali A., Nordham K., Maher Z., Goldberg A., Tatebe L., Chang G., Prehospital Procedures in Penetrating Trauma Study Group, **Taghavi S.** Stop the Bleed – Now Wait for EMS or Gein in the Car And Drive? A Secondary Analysis of an EAST MCT. Poster Presentation. *American Association for the Surgery of Trauma Annual Meeting*. September 2022.
- 23) Duchesne J., **Taghavi S.**, Jackson-Weaver O., Tatum D. Not So Fast For Noncompressible Torso Hemorrhage: An Ad-Hoc Review of AAST MIT. Oral Presentation. *American Association for the Surgery of Trauma Annual Meeting*. September 2022.
- 24) Ali A, Abdullah Y, Broome JM, Tatum D, Black J, Salim A, Duchesne J, **Taghavi S.** Universal Screening for Blunt Cerebrovascular Injury: Results of a Cost-Effectiveness Analysis. Brief Oral Presentation. *Pacific Coast Surgical Association*. February 2022.
- 25) Raza S., Tatum D., Meyer C., Keating J., Maher Z., Goldberg A., Chang G., Mendiola M., EAST Prehospital Procedures in Penetrating Trauma Study Group, **Taghavi S.** Tranexamic Acid and Pulmonary Complications in Trauma: Secondary Analysis of an EAST Multicenter Trial. Oral Presentation. *Academic Surgical Congress*. February 2022.
- 26) Raza S., **Taghavi S.**, La Ossa L., Chreiman K., Martin J., Cannon J., Seamon M. Police Transport of Multiple Simultaneous Trauma Patients – Silver Lining of Colliding Pandemics. *Academic Surgical Congress*. February 2022.
- 27) Sheffield M., Crandall M., Tatum D., **Taghavi S.**, Yorkgitis B. Intoxication Among Trauma Patients on Pre-Injury Antithrombotic Agents: Evaluation of an EAST MCT. *Academic Surgical Congress*. February 2022.
- 28) Benjamin A., Imran J., Jacovides C., **Taghavi S.**, Raza S. The Impact of Cannabis Use on Respiratory Complications, Length of Stay, and Mortality in Trauma Patients – A 10-Year Analysis of the National Trauma Data Bank. Quickshot Oral Presentation. *Academic Surgical Congress*. February 2022.
- 29) Chun M., Zhang Y., Becnel C., Brown T., Hussein M., Toraih E., Guidry C., **Taghavi S.**, Schroll R., McGrew P., Duchesne J. A Fast Pass for Motor Vehicle Accident Patients: Expediting Time to Surgery Reduces Their Mortality. Quickshot Oral Presentation. *Academic Surgical Congress*. February 2022.

- 30) Ali A., Tatum D., Fleckman J., Theall K., Chaparro MP., Dharmaraj D., Duchesne J., **Taghavi S.** Gun Violence and Food Insecurity in a Major Metropolitan City. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2022.
- 31) **Taghavi S.**, Abdullah S., Toraih E., Packer J., Drury R., Oguz A., Kosowski E., Shaheen F., Duchesne J., Jackson-Weaver O. Dimethyl Malonate Decreases Succinate Accumulation and Preserves Cardiac Function in a Swine Model of Hemorrhagic Shock. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2022.
- 32) Bryant M. Tatebe L, Siva N. Udekwu P., Wurzelmann M., Crandall M., Diaz Yuniga Y., Santos A., Tran V., Luo-Owen X., **Taghavi S.**, Nordham K., and EAST Incarcerated Individuals Study Group. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2022.
- 33) Duchesne J., **Taghavi S.**, Toraih E., Tatum D. State Gun Law Grades Have Not Impacted Mass Shooting Event Incidence; An 8-Year Analysis. Oral Presentation. *Annual Meeting of the Southern Surgical Society*. December 2021.
- 34) **Taghavi S.**, Abdullah S., Shaheen F., Duchesne J., Braun S., Steele C., Pociask D., Kolls J., Jackson-Weaver O. Exosomes and Microvesicles from Adipose-derived Mesenchymal Stem Cells Protects the Endothelial Glycocalyx from LPS Injury. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 35) **Taghavi S.**, Abdullah S., Shaheen F., Duchesne J., Steele C., Pociask D., Kolls J., Jackson-Weaver O. Glycocalyx Degradation and the Endotheliopathy of Viral Infection. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 36) **Taghavi S.**, Maher Z., Goldberg A., Haut E., and EAST Prehospital Procedures in Penetrating Trauma Study Group. An EAST Multicenter Trial of Prehospital Procedures in Penetrating Trauma: A propensity Matched Analysis of Police Transport. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 37) **Taghavi S.**, Haut E., Maher Z., Goldberg A., Chang G., and EAST Prehospital Procedures in Penetrating Trauma Study Group. An EAST Multicenter Trial of Prehospital Procedures in Penetrating Trauma: Are Tourniquets Justified? Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 38) Ali A, Tatum D, Hebert R, Toraih E, Hussein M, McGrew PR, Duchesne J, **Taghavi S.** "Obstetric Trauma: A Propensity-Score Matched Analysis". Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 39) **Taghavi S.**, Toraih E., Tafazoli M., Sedhom J. Tatum D., McGrew P., Kolls J., Duchesne J., Hussein M. Examining Risk Factors for Trauma Patients in Acute Respiratory Distress Syndrome. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 40) Chun M., Zhang Y., Becnel C., Brown T., Hussein M., Toraih E., Guidry C. **Taghavi S.**, Duchesne J., McGrew P. One Trauma Score Rules All: New Injury Severity Score (NISS) is Superior in Predicting Trauma Mortality. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 41) Zhang Y., Chun M., Brown T., Tatum D., Guidry C., McGrew P., Toraih E., **Taghavi S.**, Schroll R., Hunt J., Schoen J., Duchesne J. When Minorities are the Majority: A Unique Study of Implicit Bias in Trauma Surgery. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 42) Abdullah S., Packer J., Betteridge A., Slaughter K., Shaheen F., Duchesne J., **Taghavi S.**, Jackson-Weaver O. Estrogen Prevents ROS Mediated Endothelial Glycocalyx Damage in Hemorrhagic Shock. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.

- 43) Gagen B., Abdullah S., Slaughter K., Duchesne J., **Taghavi S.**, Jackson-Weaver O. Escherichia Coli Liopolysaccharide Induces Mitochondrial Exocytosis in Endothelial Cells. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 44) Karim M., Abdullah S., **Taghavi S.**, Duchesne J., Xu J., Jackson-Weaver O. Inhibition of Protein Arginine Methylation Promotes Nuclear Factor of Activated T-Cells Signaling and Angiogenesis. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
- 45) **Taghavi S.**, Chun T., Toraih E., Bellfi L., Malone C., Oremosu J., Ali A., Duchesne J., Tatum D. A Propensity Matched Analysis of Tranexamic Acid and the Development of Acute Respiratory Distress Syndrome in Trauma Patients. *Shock Society Annual Meeting*. October 2021.
- 46) Abdullah S., Karim M., Legendre M., Friedman J., Rodriguez L., Bitonti N., Kosowski E., Duong K., Drury R., Packer J., Cotton-Betteridge A., Shaheen F., Guidry C., Duchesne J. **Taghavi S.**, Jackson-Weaver O. Succinate Drives Reactive Oxygen Species-Mediated Endothelial Glycocalyx Damage in Hemorrhagic Shock and Resuscitation. *Shock Society Annual Meeting*. October 2021.
- 47) Chun M., Zhang Y., Nguyen A., Becnel C., Noguera V., **Taghavi S.**, Guidry C., Hussein M., Toraih M., Duchesne J., McGrew P. How Does Insurance Status Correlate with Trauma Mechanisms and Outcomes? A Retrospective Study at a Level 1 Trauma Center. Oral Presentation. *Southeastern Surgical Congress Annual Meeting*. February 2021.
- 48) Anderson C., Simpson J., Slaughter K., Reily R., McGrew P., Guidry C., **Taghavi S.**, Harris C., Hussein M., Toraih E., Schroll R., Duchesne J. Optimal Time for Implementation of Advanced Resuscitative Care: A TQIP Review of EMS Contact Time and Mortality. Poster Presentation. *American Association for the Surgery of Trauma Annual Meeting*. September 2021.
- 49) Fabian R., Smith A., Brown T., Hunt J., Greiffenstein P., Marr A., Stuke L., **Taghavi S.**, Schroll R., Guidry C., Schoen J., McGrew P., Jackson O., Duchesne J. Deterioration Index in Critically Injured Patients: A Feasibility Analysis. Oral Presentation. *American Association for the Surgery of Trauma Annual Meeting*. September 2021.
- 50) **Taghavi S.**, Abdullah A., McGrew P., Tatum D., Hussein M., Toraih E., Duchesne J. The Burden of Hospital Readmission for Firearm Injuries Among Suicide Attempts and Other Shootings. Quickshot Oral Presentation. *Academic Surgical Congress*. February 2021.
- 51) Ali A, Olubowale O, Tatum D, McGrew P, Duchesne J, **Taghavi S.** Outcomes of THC Positive Trauma Patients with Traumatic Brain Injury. QuickShot Oral Presentation. *Academic Surgical Congress*. February 2021.
- 52) Ninokawa S., Tatum D., Nordham K., **Taghavi S.**, Guidry C., McGrew P., Schroll R., Harris C., Duchesne J. Elevated K/iCa Ratio is a Stronger Mortality Predictor than iCa in Patients with Severe Hemorrhage. QuickShot Oral Presentation. *Academic Surgical Congress*. February 2021.
- 53) Toraih E., Hussein M., **Taghavi S.**, McGrew P. Trends and Burden of Firearm Injuries Among Children and Adolescents: A National Perspective. QuickShot Oral Presentation. *Academic Surgical Congress*. February 2021.
- 54) **Taghavi S.**, Maher Z., Goldberg A., Chang G., and EAST Prehospital Procedures in Penetrating Trauma Study Group. An EAST Multicenter Trial Examining Prehospital Procedures in Penetrating Trauma Patients. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2021.
- 55) Houghton A., Saltzman L., Burley N., Byrne T., Tatum D., Toraih E., Jackson-Weaver O., McGrew P., Duchesne J., **Taghavi S.** Firearm Homicide Mortality is Influenced by Structural Racism in U.S. Metropolitan Areas. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting*. January 2021.

- 56) Toraih E., Hussein M., Tatum D., Reisner A., Kandil E., Killackey M., Duchesne J., **Taghavi S.** The Burden of Readmission After Discharge From Necrotizing Soft Tissue Infection. Oral Presentation. *Eastern Association for the Surgery of Trauma (EAST) Annual Meeting.* January 2021.
- 57) Abdullah S., Legendre M., Karim M., Legendre M., Rodriguez L., Friedman J., **Taghavi S.**, Guidry C., Duchesne J., Jackson-Weaver O. Endothelial Reactive Oxygen Species Mediate Glycocalyx Damage and Intestine Vasculature in Hemorrhagic Shock in the Rat. *American Heart Association Resuscitation Science Symposium.* November 2020.
- 58) Hussein M., Toreih A., Attia A., Alrowaili M., Fawzy M., Tatum D., Toraih E., Kandil E., Duchesne J., **Taghavi S.** Trampoline Injuries in Children and Adolescents: A Jumping Threat. Mini-Oral Presentation. *Panamerican Congress of Trauma, Critical Care and Emergency Surgery.* October 2020.
- 59) **Taghavi S.**, Jackson-Weaver O., Abdullah S., Duchesne J., Pociask D., Kolls J. Interleukin-22 Has An Anti-Inflammatory Effect After Acute Lung Injury (ALI). Oral Presentation. *American College of Surgeons Annual Clinical Congress.* October 2020.
- 60) **Taghavi S.**, Ali A., Green E., Schmitt K., Jackson-Weaver O., Tatum D., Harris C., Guidry C., McGrew P., Schroll R., Kolls J., Duchesne J. Rib Plating Improves Survival but Increases Risk of Acute Respiratory Distress Syndrome (ARDS). Poster Presentation. *Chest 2020 Annual Conference.* October 2020.
- 61) Green E., Toraih E., Tatum D., Guidry C., McGrew P., Schroll P., Hussein M., Kolls J., Duchesne J., **Taghavi S.** Surgical Stabilization Improves Survival Without Increasing Readmission After Traumatic Rib Fractures. Poster Presentation. *American College of Surgeons Annual Clinical Congress.* October 2020.
- 62) **Taghavi S.**, Abdullah S., Duchesne J., Pociask D., Kolls J., Jackson-Weaver O. IL-22 Mitigates Endothelial Glycocalyx Shedding After LPS Injury. Poster Presentation. *American Association for the Surgery of Trauma Annual Meeting.* September 2020.
- 63) **Taghavi S.**, Jackson-Weaver O. Abdullah S., Goldberg A., Duchesne J., Pociask D., Steele C., Kolls J. A Comparison of Growth Factors and Cytokines in Fresh Frozen Plasma and Never Frozen Plasma. Poster Presentation. *American Association for the Surgery of Trauma Annual Meeting.* September 2020.
- 64) Houghton A., **Taghavi S.**, Toraih E., Granruth C., McGrew P., Guidry G., Schroll R., Lichtveld M., Duchesne J. Are Legally Purchased Guns to Blame for Overall Firearm Mortality? A State-Level Analysis of the Association Between Firearm Retail Availability and Firearm Mortality. Oral Presentation. *American Association for the Surgery of Trauma Annual Meeting.* September 2020.
- 65) Duchesne J., Guidry C., Harris C., **Taghavi S.**, Schroll R., McGrew P., McGinness C., Tatum D. After 800 MTP Events, Mortality Due to Hemorrhagic Shock Remains High and Unchanged Despite Several Hemorrhage Control Advancements; Is It Time to Move the Pendulum? Oral Presentation. *American Association for the Surgery of Trauma Annual Meeting.* September 2020.
- 66) Harris C., **Taghavi S.**, Godbee D., Jacome T., Duchesne J., Tatum D. Pre-hospital Simple Thoracostomy Does Not Improve Patient Outcomes Compared to Needle Thoracostomy in Severely Injured Trauma Patients. Poster Presentation. *American Association for the Surgery of Trauma Annual Meeting.* September 2020.
- 67) Abdullah S., Karim M., Legendre M., Rodriguez L., Friedman J., **Taghavi S.**, Guidry C., Duchesne J., Jackson-Weaver O. Mitochondrial Reactive Oxygen Species Mediate Endothelial Glycocalyx Damage and Vascular Dysfunction in Hemorrhagic Shock and Resuscitation. *American Heart Association Hypertension Scientific Sessions.* September 2020.
- 68) Centanni A., Harris C., **Taghavi S.** A Rare Case of Neisseria Meningitidis Pneumonia in a Polytrauma Patient. Quickshot Presentation. *Southeastern Surgical Congress Annual Meeting.* February 2020.

- 69) Ninokawa S., Friedman J., Smith A., **Taghavi S.**, McGrew P., Duchesne J. Patient Contact Time and Prehospital Interventions in Hypotensive Trauma Patients: Should We Reconsider the ABCD Algorithm When Time is of the Essence? Oral Presentation. *Southeastern Surgical Congress Annual Meeting*. February 2020.
- 70) Smith A., Harris C., Tatum D., **Taghavi S.**, McGrew P., Guidry C., Schroll R., McGinness C., Duchesne J. A Survey of Trauma Surgeons on Blood Product Availability and Transfusion Protocols for Mass Casualty Events. Poster Presentation. *Southeastern Surgical Congress Annual Meeting*. February 2020.
- 71) Smith A., Harris C., Tatum D., **Taghavi S.**, McGrew P., Guidry C., Schroll R., McGinness C., Duchesne J. What is in Your Fridge: A Survey of Trauma Surgeons on Blood Refrigerator Use in the Trauma Bay. Poster Presentation. *Southeastern Surgical Congress Annual Meeting*. February 2020.
- 72) Friedman J., Mytty E. Ninokawa S., Reza T., Kaufman E., Raza S., Horwitz B., Asher J., **Taghavi S.**, Guidry C., Duchesne J. A Tale of Two Cities: What is Driving the Firearm Mortality Difference in Two Large Urban Centers. Oral Presentation. *Southeastern Surgical Congress Annual Meeting*. February 2020.
- 73) Ali A., Tatum D., Jones G., Guidry C., McGrew P., Schroll R., Harris C., Duchesne J., **Taghavi S.** Pediatric Pelvic Fracture Outcomes in Pediatric vs. Adult Trauma Centers. Quickshot Presentation. *Academic Surgical Congress*. February 2020.
- 74) Ali A., Friedman J., Tatum D., Jones G., Guidry C., McGrew P., Schroll R., Harris C., Duchesne J., **Taghavi S.** Does Payer Status Influence Injury Pattern in Pediatric Bike Accidents? Quickshot Presentation. *Academic Surgical Congress*. February 2020.
- 75) Friedman J., Hoof M., Smith A., **Taghavi S.**, Duchesne J., McGrew P. Impact of Practice Environment on Outcome for Uninsured and Minority Victims of Firearm Injury. Quickshot Presentation. *Academic Surgical Congress*. February 2020.
- 76) **Taghavi S.**, Ramirez S., Duchesne J., Tatum D. Pre-injury Use of Marijuana and Outcomes the Trauma. *Academic Surgical Congress*. February 2020.
- 77) **Taghavi S.**, Srivastav S., Tatum D., Smith A., Guidry C., McGrew P., Harris C., Schroll R., Duchesne J. Did the Affordable Care Act Reach Penetrating Trauma Patients? Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2019.
- 78) Smith A., Hummel L, Yusin T., Nguyen T., Hoof M., **Taghavi S.**, Harris C., Friedman J., McGrew P., Guidry C., McGinness C., Duchesne J., Schroll S. Mass Shootings in the United States, 2016-2018: An Analysis of the Currently Available Open Source Data. *American College of Surgeons Annual Clinical Congress*. October 2019.
- 79) **Taghavi S.**, Tatum D., Smith A., McGrew P., Harris C., Guidry C., Schroll R., Duchesne J. Gender Differences in the Massively Transfused Trauma Patient. Poster Presentation. *American Association for the Surgery of Trauma Annual Meeting*. September 2019.
- 80) **Taghavi S.**, Jones G., Duchesne J., McGrew P., Guidry C., Schroll R., Harris C., Jacome T., Tatum D. Impact of Trauma Center Volume on Major Vascular Injury: An Analysis of the National Trauma Data Bank (NTDB). Poster Presentation. *Shock Society Annual Meeting*. June 2019.
- 81) Tatum D., **Taghavi S.**, Smith A., Jacome T., Duchesne J. Medicaid Expansion Has No Effect on Mortality but May Improve In-Hospital Outcomes. Oral Presentation. *Academic Surgical Congress*. February 2019.
- 82) **Taghavi S.**, Angeles M., Uribe Leitz P., Nehra D., Cooper Z., Havens J., Haider A., Salim A., Askari R. Emergency General Surgery Procedures in the Bone Marrow Transplant Population. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2018.

- 83) **Taghavi S.**, Tandon D., Diamant A., Keith A., Ewald G, Lawrence S., Masood M., Balsara K., Itoh A. Surgical Management of Left Ventricular Assist Device Driveline Infection. Oral Presentation. *International Society of Heart and Lung Transplantation*. April 2016.
- 84) Ambur V., **Taghavi S.**, Jayarajan S., Kadakia S., Shiose A., Wheatley G., Guy T., Toyoda Y. Regional Variation in Lung Transplantation in the Era of Lung Allocation Score. Poster Presentation. *International Society of Heart and Lung Transplantation*. April 2016.
- 85) Ambur V., **Taghavi S.**, Furuya Y., Jayarajan S., Shiose A., Leotta E., Gomez-Abraham J., Toyoda Y. Outcomes After Induction Therapy in Heart Transplant Patients. Oral Presentation. *American Heart Association Annual Scientific Sessions*. November 2015.
- 86) Ambur V., **Taghavi S.**, Jayarajan S., Kadakia S., Zhao H., Shiose A., Wheatley G., Guy T., Toyoda Y. Double Lung Transplantation Can Be Safely Performed Using Diabetic Donors. *American College of Surgeons Annual Clinical Congress*. October 2015.
- 87) Ambur V., **Taghavi S.**, Kadakia S., Jayarajan S., Gaughan J., Sjöholm L., Pathak A., Santora T., Rappold J., Goldberg A. Does Socioeconomic Status Predict Outcomes After Cholecystectomy. Oral Presentation. *American College of Surgeons Annual Clinical Congress*. October 2015.
- 88) **Taghavi S.**, Jayarajan S., Mangi A., Chan E., Dauer E., Sjöholm L., Pathak A., Santora T., Goldberg A., Rappold J. Non-Cardiac Surgical Procedures After Left Ventricular Assist Device Implantation. Poster Presentation. *American Transplant Congress*. May 2015.
- 89) Ambur V., Jayarajan S., **Taghavi S.**, Kadakia S., Lewis C., Furuya Y., Shiose A., Wheatley G., Kaiser L., Guy T., Toyoda Y. Long Term Survival After Single versus Double Lung Transplantation in Patients with Pulmonary Fibrosis in the Modern Era of the Lung Allocation Score. Poster Presentation. *American Transplant Congress*. May 2015.
- 90) Lewis C., Jayarajan S., **Taghavi S.**, Kadakia S., Ambur V., Shiose A., Wheatley G., Kaiser L., Guy T., Toyoda Y. Preservation Fluid Affects Short- and Long-term Survival in Orthotopic Heart Transplants. Oral Presentation. *American Transplant Congress*. May 2015.
- 91) Furuya Y., Jayarajan S., **Taghavi S.**, Ambur V., Cordova F., Patel N., Toyoda Y. The Impact of Alemtuzumab and Basiliximab Induction on Patient and Graft Survival in Single Lung Transplant Recipients. Poster Presentation. *American Transplant Congress*. May 2015.
- 92) Kadakia S., Jayarajan S., **Taghavi S.**, Ambur V., Lewis C., Shiose A., Wheatley G., Kaiser L., Guy T., Toyoda Y. Examining Long-Term Survivors in Combined Heart-Lung Transplantation. Oral Presentation. *American Transplant Congress*. May 2015.
- 93) Ambur V., **Taghavi S.**, Jayarajan S., Kadakia S., Zhao H., Shiose A., Wheatley G., Guy T., Toyoda Y. In the Modern Era, Single Lung Transplantation from Diabetic Donors is Associated with Increased Mortality. Poster Presentation. *American Association of Thoracic Surgeons Annual Meeting*. April 2015.
- 94) **Taghavi S.**, Jayarajan S.N., Ambur V., Gaughan J.P., Dauer E., Sjöholm L.O., Pathak A., Santora T.A., Rappold J., Goldberg A.J. Post-Operative Outcomes with Cholecystectomy in Lung Transplant Recipients. Oral Presentation. *Annual Academic Surgical Congress*. February 2015.
- 95) **Taghavi S.**, Ambur V., Jayarajan S.N., Gaughan J.P., Dauer E., Sjöholm L.O., Pathak A., Santora T.A., Rappold J., Goldberg A.J. Comparing Open Gastrostomy Tube to PEG Tube in Lung Transplant Patients. Oral Presentation. *Annual Academic Surgical Congress*. February 2015.

- 96) Ambur V., **Taghavi S.**, Jayarajan S.N., Gaughan J.P., Dauer E., Sjöholm L.O., Pathak A., Santora T.A., Rappold J., Goldberg A.J. Comparing Open Gastrostomy Tube to Percutaneous Endoscopic Gastrostomy Tube in Heart Transplant Patients. Oral Presentation. *Annual Academic Surgical Congress*. February 2015.
- 97) **Taghavi S.**, Jayarajan S.N., Komaroff E., Mangi A.A. Requirement of Right Ventricular Assist Device Results in Worse Post-Transplant Survival. Oral Presentation. *Eastern Cardiothoracic Surgical Society*. October 2014.
- 98) **Taghavi S.**, Jayarajan S., Mangi A., Hollenbach H., Dauer E., Sjöholm L.O., Pathak A., Santora T., Goldberg A., Rappold J. Examining Non-Cardiac Surgical Procedures in Patients Supported with Extracorporeal Membrane Oxygenation. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2014.
- 99) Powers B.P., Jayarajan S., **Taghavi S.**, Safi C., Willis A.I. Trends in Lymph Node Examination, Positivity, and Outcomes in Gastric Cancer. *American College of Surgeons Annual Clinical Congress*. October 2014.
- 100) Furuya Y., Jayarajan S., **Taghavi S.**, Cordova F., Patel N., Shiose A., Leotta E., Criner G., Guy T., Wheatley G., Kaiser L., Toyoda Y. Impact of Alemtuzumab and Basiliximab Induction on Graft and Recipient Survival in Orthotopic Lung Transplantation. Oral Presentation. Chest 2014 Annual Conference. October 2014.
- 101) Vazquez Z., Cordova F., Zhao H., **Taghavi S.**, Jayarajan S., Toyoda Y., Criner G. The Implementation of the Lung Allocation Score Improves Post-Transplant Survival in Patients with Idiopathic Pulmonary Fibrosis. Poster Presentation. *American Thoracic Society*. May 2014.
- 102) **Taghavi S.**, Jayarajan S., Komaroff E., Shiose A., Schwartz D., Hamad H., Alvarez R., Wheatley G., Guy T., Toyoda Y. Use of Heavy Drinking Donors in Heart Transplantation is Not Associated with Worse Short- and Medium-Term Mortality. Poster Presentation. *International Society of Heart and Lung Transplantation*. April 2014.
- 103) Jayarajan S., **Taghavi S.**, Komaroff E., Shiose A., Schwartz D., Hamad H., Alvarez R., Wheatley G., Guy T., Toyoda Y. Examining Long-Term Outcomes in Heart Transplantation Using Donors with a History of Past and Present Cocaine Use. Oral Presentation. *International Society of Heart and Lung Transplantation*. April 2014.
- 104) **Taghavi S.**, Beyer C., Vora H., Jayarajan S., Toyoda Y., Dujon J., Sjöholm L.O., Pathak A., Santora T., Goldberg A.J., Rappold J. Noncardiac Surgical Procedures in Patients on Mechanical Circulatory Support. Oral Presentation. *Annual Academic Surgical Congress*. February 2014.
- 105) **Taghavi S.**, Jayarajan S.N., Komaroff E., Shiose A., Leotta E., Hisamoto K., Patel N., Cordova F., Criner G., Guy T.S., Toyoda Y. Examining ABO Compatible Donors in Double Lung Transplantation During the Era of Lung Allocation Score. Oral Presentation. *Society of Thoracic Surgeons*. January 2014.
- 106) **Taghavi S.**, Ferrer L., Jayarajan S.N., Vora H., McKee C., Milner R.E., Gaughan J.P., Rappold J., Dujon J., Sjöholm L.O., Pathak A., Rappold J., Santora T.A., Houser S.R., Goldberg A.J. "Permissive Hypoventilation" in a Swine Model of Hemorrhagic Shock. Oral Presentation. *Eastern Association for the Surgery of Trauma Scientific Assembly*. January 2014.
- 107) **Taghavi S.**, Jayarajan S.N., Komaroff E., Mangi A.A. Continuous Flow LVAD Technology Has Influenced Wait Times and Donor Allocation in Cardiac Transplantation. Oral Presentation. *American Heart Association Annual Scientific Sessions*. November 2013.
- 108) Jayarajan S.N., **Taghavi S.**, Komaroff E., Mangi A.A. PCI Prior to CABG During the Same Admission is Associated with Increased In-Hospital Mortality and Increased Cost: A propensity Adjusted Analysis of the National Inpatient Sample. Poster Presentation. *American Heart Association Annual Scientific Sessions*. November 2013.
- 109) **Taghavi S.**, Jayarajan S.N., Komaroff E., Shiose A., Leotta E., Hisamoto K., Patel N., Cordova F., Criner G., Guy T.S., Toyoda Y. Single Lung Transplantation with ABO Compatible Donors Results in Excellent Outcomes. Oral Presentation. *Eastern Cardiothoracic Surgical Society*. October 2013.

- 110) **Taghavi S.**, Ward C., Jayarajan S.N., Gaughan J., Wilson L., Mangi A.A. Surgical Technique Influences Heartmate-2 Left Ventricular Assist Device Thrombosis. Poster Presentation. *American Transplant Congress*. May 2013.
- 111) **Taghavi S.**, Jayarajan S.N, Komaroff E., Horai T., Brann S., Cordova F., Criner G., Guy T.S., Toyoda Y. Single Lung Transplantation Can Be Safely Performed Using Donors With Heavy Smoking History. Poster Presentation. *International Society of Heart and Lung Transplantation*. April 2013.
- 112) **Taghavi S.**, Sharp T.A., Duran J.M., Makarewich C.A., Khoche S., Berretta R.M., Starosta T., Kubo H., Houser S.R. Autologous CD117+ Mesenchymal Stem Cell Injections Provide Superior Therapeutic Benefit As Compared to CD117+ Cardiac-Derived Stem Cells in a Feline Model of Isoproterenol Induced Cardiomyopathy. Oral Presentation. *Annual Academic Surgical Congress*. February 2013.
- 113) **Taghavi S.**, Jayarajan S.N., Wilson L., Komaroff E., Mangi A.A. Cardiac Transplantation Can Be Safely Performed Using Diabetic Donors. Oral Presentation. *Annual Academic Surgical Congress*. February 2013.
- 114) **Taghavi S.**, Jayarajan S.N., Wilson L., Komaroff E., Mangi A.A. Cardiac Transplantation With ABO Compatible Donors Has Equivalent Long-Term Survival. Oral Presentation. *Annual Academic Surgical Congress*. February 2013.
- 115) Jayarajan S.N., **Taghavi S.**, Wilson L., Komaroff E., Mangi A.A. Cardiac Transplantation Can Be Safely Performed Using Low Donor to Recipient Body Weight Ratios: An Analysis of UNOS. Oral Presentation. *Annual Academic Surgical Congress*. February 2013.
- 116) Jayarajan S.N., **Taghavi S.**, Komaroff E., Brann S., Horai T., Guy S., Toyoda Y. Impact of Extra-Corporeal Membrane Oxygenation or Mechanical Ventilation as Bridge to Combined Heart-Lung Transplantation on Short- and Long-Term Survival. Oral Presentation. *Annual Academic Surgical Congress*. February 2013.
- 117) Jayarajan S.N., **Taghavi S.**, Davey A., Powers B., Willis A. Evaluating the Prognostic Value of Extensive Lymph Node Examinations in Gastric Adenocarcinoma: An Analysis of the Surveillance, Epidemiology, and End Results (SEER) Database. Oral Presentation. *Annual Academic Surgical Congress*. February 2013.
- 118) **Taghavi S.**, Jayarajan S.N, Komaroff E., Horai T., Brann S., Cordova F., Criner G., Guy T.S., Toyoda Y. Double Lung Transplantation Can Be Safely Performed Using Donors With Heavy Smoking History. Oral Presentation. *Society of Thoracic Surgeons*. January 2013.
- 119) Powers B.P., Daly M.P., Davey A., **Taghavi S.**, Jayarajan S.N., Willis A.I. The Impact of Race on Gastric Cancer Outcomes In the United States. Poster Presentation. *American Society of Clinical Oncology Gastrointestinal Annual Symposium*. January 2013.
- 120) **Taghavi S.**, Jayarajan S.N., Khoche S., Duran J.M., Cruz-Schiavone G.E., Milner R.E., Holt-Bright L., Gaughan J.P., Rappold J., Sjolholm L.O., Dujon J., Pathak A., Santora T.A., Houser S.R., Goldberg A.J. Intubation Does Not Result in a Survival Advantage in a Swine Hemorrhagic Shock Model Simulating Penetrating Trauma. Oral Presentation. *American Heart Association Annual Scientific Sessions*. November 2012.
- 121) Khoche S., Barr L., Zhang H., Makarewich C.A., **Taghavi S.**, Houser S.R. T-type Calcium Channel Overexpression in Mice Attenuates Recovery from Bupivacaine Induced Cardiac Arrest. Oral Presentation. *American Heart Association Annual Scientific Sessions*. November 2012.
- 122) **Taghavi S.**, Clark R., Jayarajan S.N., Gaughan J., Brann S.H., Mangi A.A. Surgical Management of Tricuspid Endocarditis in Systemically Infected Patients. Poster Presentation. *Chest 2012 Annual Conference*. October 2012.

- 123) **Taghavi S.**, Vora H., Jayarajan S.N., Gaughan J.P., Pathak A., Santora T.A., Goldberg A.J. Pre-hospital Intubation Does Not Decrease Complications in the Penetrating Trauma Patient. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2012.
- 124) Jayarajan S.N., **Taghavi S.**, Komaroff E., Pathak A., Santora T.A., Goldberg A.J. Pre-hospital Intubation Associated with Adult Trauma Mortality: Effect of Rural Locations and Trauma Center Level. Poster Presentation. *American College of Surgeons Annual Clinical Congress*. October 2012.
- 125) **Taghavi S.**, Jenkins M., Wilson L., Clark R., Benish L.A., Gaughan J., Mangi A.A. “Bridging Strategies” Allow Successful Management of INTERMACS Profile 1 and 2 Patients. Poster Presentation. *Heart Failure Society of America*. September 2012.
- 126) Duran J.M., Sharp T.E., **Taghavi S.**, Beretta R.M., Gaughan J., Rabinowitz J.E., Kubo H., Houser S.R. Increasing Expression of Connexin-43 in Bone Marrow Stem Cells Enhances their Protective Effects on the Infarcted Heart. Poster Presentation. *American Heart Association Basic Cardiovascular Sciences (BCVS) Annual Meeting*. July 2012.
- 127) Jayarajan S.N., **Taghavi S.**, O’Shaughnessy G., Reynolds A., Milner R., Gaughan J., Nathan H., Goldberg A.J. Improved Communication of Brain Death Increases Donor Conversion Rates. Poster Presentation. *American Transplant Congress Annual Meeting*. June 2012.
- 128) **Taghavi S.**, Hamad E., Wilson L., Clark R., Jayarajan S.N., Uriel N., Goldstein D., Takayama H., Naka Y., Mangi A.A. Addition of Mitral Valve Repair to Left Ventricular Assist Device Implantation. Poster Presentation. *Annual Meeting and Scientific Sessions of the International Society of Heart and Lung Transplantation*. April 2012.
- 129) Kumar S., Ward C., **Taghavi S.**, Wilson L.M., Mangi, A.A. Outcomes of LVAD Insertion in Ischemic vs. Non-Ischemic Cardiomyopathy Patients. Oral Presentation. *Annual Meeting of the Scandinavian Society of Research in Cardiothoracic Surgery*. February 2012.
- 130) **Taghavi S.**, Wilson L.M., Brann S.H., Gaughan J.P., Mangi A.A. Cardiac Transplantation Can Be Safely Performed Using Low Donor to Recipient Body Weight Ratios. Poster Presentation. *Society of Thoracic Surgeons Annual Meeting*. January 2012.
- 131) **Taghavi S.**, Jayarajan S.N., Davey A., Willis A.I. Signet Ring Cell Gastric Cancer: Harbinger of Doom? Poster Presentation. *Society of Surgical Oncology Annual Cancer Symposium*. March 2012.
- 132) **Taghavi S.**, Jayarajan S.N., Duran J.M., Gaughan J.P., Pathak A., Santora T.A., Willis A.I., Goldberg A.J. Does Payer Status Matter in Penetrating Trauma? Oral Presentation. *Annual Academic Surgical Congress*. February 2012.
- 133) **Taghavi S.**, Jayarajan S.N., Gaughan J.P., Willis A.I. Epidemiology of Rectal and Small Intestinal Carcinoids: Two Distinct Tumors? Poster Presentation. *American Society of Clinical Oncology Gastrointestinal Annual Symposium*. January 2012.
- 134) **Taghavi S.**, Jayarajan S.N., Duran J.M., Cruz-Schiavone G.E., Milner R.E., Gaughan J.P., Sjöholm L.O., Pathak A., Santora T.A., Houser S.R., Goldberg A.J. Oral Presentation. Still Making the Case for “Scoop and Run”: A Rat Hemorrhagic Shock Model. *Eastern Association for the Surgery of Trauma Scientific Assembly*. January 2012.
- 135) Duran, J.M., **Taghavi, S.**, Husain, S., Starosta, T., Kubo, H., Berretta, R. M., Houser, S.R. Ischemic Injury in a Mouse Myocardial Infarction Model Induces Endogenous Myocyte Proliferation First in the Border Zone and Later in Viable Myocardium from the Site of Injury. Poster Presentation. *Keystone Symposia*. January 2012.
- 136) **Taghavi S.**, Duran J.M., Berretta R., Makarewich C., Udeshi F., Sharp T., Kubo H., Houser S.R., George J. Validation of the NOGA 3D Left Ventricular Electromechanical Mapping System for Assessment of Cardiac Function and Localized Transendocardial Stem Cell Injection in a Porcine Ischemia-Reperfusion Model. Oral Presentation. *American Heart Association Annual Scientific Sessions*. November 2011.

- 137) **Taghavi S.**, Jayarajan S.N., Benish L., Wilson L.M., Mangi A.A. Choice of Left Ventricular Assist Device and Addition of Mitral Valve Do Not Influence Reduction in Pulmonary Vascular Resistance. Poster Presentation. *CHEST 2011 Annual Conference*. October 2011.
- 138) Willis A.I., **Taghavi S.**, Nick D., Dempsey D.T. Rectal Carcinoids in the Era of Screening Colonoscopy. Poster Presentation. *Society of Black Academic Surgeons Annual Conference*. April 2011.

Published Invited Commentary and Editorials

- 1) Tatebe L., Kaufman E., Nappi T., Dennis A., Neely K., Hall E., Smith M., Duncan T., AAST Injury Prevention Committee. Walk the Line: An Ethical Framework for Interactions with Law Enforcement in Trauma Care Environments. *Journal of Trauma and Acute Care Surgery*. 2023 1;94(2). E20-e22. PMID: 36253908.
- 2) Fleckman J., Taghavi S., Theall K., Francois S. The Importance of Addressing Violence Transgenerationally and Across Contexts. *Research in Human Development*. 2023: 1-5.
- 3) Taghavi S., Maher Z., Tatebe L., Goldberg A., Tatum D. When it comes to Urban Penetrating Trauma in America: “Start your Engines”. *Journal of Trauma and Acute Care Surgery*. 2023 1;94(2): e23-e24. PMID: 36694338.
- 4) Duchesne J., **Taghavi S.**, Toraih E., Simpson J., Tatum D. Clarification of Methodology in Analysis of State Gun Law Grades and Mass Shooting Event Incidence: Legislation Alone is Not Enough: In Reply to Cao and Colleagues. *Journal of the American College of Surgeons*. 2022; 235(3): 566-567. PMID: 35972181.
- 5) Duchesne J., **Taghavi S.**, Khan M., Perreira B., Cotton B., Brenner M., Ferrada P., And Damage Control Resuscitation Committee. Circulatory Trauma: A Paradigm for Understanding the Role of Endovascular Therapy in Hemorrhage Control. *Shock Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. 2021;56 (1S): 22-29. PMID: 34797785.
- 6) Duchesne J., **Taghavi S.**, Houghton, A., Khan M., Perreira B., Cotton B., Tatum D, And Damage Control Resuscitation Committee. Prehospital Mortality Due to Hemorrhagic Shock Remains High and Unchanged: A Summary of Current Civilian EMS Practices and New Military Changes. *Shock Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches*. 2021;56 (1S): 3-8. PMID: 32080059.
- 7) Weldy J.M., **Taghavi S.** Stem Cell Therapy as an Adjunct to Surgery. *International Journal of Surgery*. 2019; 68; 182. PMID: 31362127.
- 8) **Taghavi S.**, Goldberg A. Re: The Influence of Mechanical Ventilation in a Hemorrhagic Shock Model. *Journal of Trauma and Acute Care Surgery*. 2013; 75 (2): 345. PMID: 23887572.
- 9) Willis A.I., **Taghavi S.**, Jayarajan S.N., Davey A. Reply to G. Piessen et al. *Journal of Clinical Oncology*. 2013; 31 (16): 2060-1. PMID: 23862192.

Invited Lectureships

- 1) Advancing Surgical Care Through Research. Invited Lecturer. University of Arizona – Phoenix/Banner University Medical Center. Phoenix, AZ. August 29, 2024.
- 2) Optimal Screening for Blunt Cerebrovascular Injury. Invited Lecturer. The John Paul Pryor Memorial PennTRAC Conference. Philadelphia, PA (Given via Teleconference). May 9, 2024.

- 3) Wait, I Just Got Shot, and Now I'm Discharged from the Hospital to Deal with the Aftermath on my Own? Invited Lecturer to Present with the Centers for Disease Control and Prevention (CDC). Public Health Law Practitioners Convening. New Orleans, LA (Annual meeting held in New Orleans) May 2, 2024.
- 4) Food Insecurity and Firearm Violence in the United States. Invited Lecturer. Cincinnati City Council. Cincinnati, Ohio (Given via Teleconference). April 30, 2024.
- 5) Listen to Your City – Using Research to Start a Hospital-Based Violent Injury Prevention (HVIP) Program. Visiting Professor for Temple University Harwick Research Competition and Department of Surgery Grand Rounds. Philadelphia, PA, March 29, 2023.
- 6) Screening for Blunt Cerebrovascular Injury. Invited Lecturer. The Rocky Mountain Traumatological Society Meeting. Snowmass Village, CO, January 16, 2023.
- 7) Obtaining Funding for Hospital-Based Violence Intervention Programs. American Association for the Surgery of Trauma (AAST) Annual Meeting Lunch Session. Chicago, IL, Invited Panelist. September 23rd, 2022.
- 8) Philly to New Orleans – Rethinking Prehospital Procedures in Urban, Penetrating Trauma. University of Mississippi School of Medicine. Department of Surgery Grand Rounds. Jackson, MS, May 12, 2021.
- 9) Non-Cardiac Surgical Procedures in Thoracic Transplant and Mechanical Circulatory Support Patients. Tulane University School of Medicine. Department of Surgery Grand Rounds. Philadelphia, PA, December 18, 2019.

Review Articles

- 1) Ferrada P., Ferrada R., Jacobs L., Duchesne J., Ghio M., Bellal J., **Taghavi S.**, Qasim Z., Zakrison T., Brenner M., Dissanaik S., Feliciano D. Prioritizing Circulation to Improve Outcomes for Patients with Exsanguinating Injury: A Review and Techniques to Help Clinicians to Achieve Bleeding Control. *Journal of the American College of Surgeons (JACS)*. 2024 1;238(1): 129-136. PMID: 38014850.
- 2) Fulton II, MR, Zubair M., **Taghavi S.** Laboratory Evaluation of Sepsis. *StatPearls Publishing* 2023. PMID ID: 37603649.
- 3) Duncan T., Stewart R., Joseph K., Kuhls D., Dechert T., **Taghavi S.**, Bonne S., Matsushima K. American Association for the Surgery of Trauma Prevention Committee Review. A Not-So-Novel, But Unknown Gem. *Trauma and Acute Care Surgery Open*. 2021; 6(1). PMID: 34179511.
- 4) **Taghavi S.**, Askari R. *Trauma, Mediastinum*. *StatPearls Publishing*. 2018. PMID: 30252287.
- 5) **Taghavi S.**, Askari R. *Shock, Hypovolemic*. *StatPearls Publishing*. 2018. PMID: 30020669.
- 6) **Taghavi S.**, Askari R. *Trauma, Liver*. *StatPearls Publishing*. 2018. PMID: 30020608.
- 7) **Taghavi S.**, George J.C. Homing of Stem Cells To Ischemic Myocardium. *American Journal of Translational Research*. 2013; 5(4): 404-411. PMID: 23724164
- 8) Duran J.M., **Taghavi S.**, George J.C. The Need for Standardized Protocols for Future Clinical Trials of Cell Therapy. *Translational Research: The Journal of Laboratory and Clinical Medicine*. 2012; 160 (6):399-410. PMID: 22884677.

- 9) **Taghavi S.**, Duran J.M., George J.C. Stem Cell Therapy for Refractory Angina. *Stem Cell Studies*. 2011; Volume 1;e8: 57-64.
- 10) **Taghavi S.**, Duran J.M., George J.C. Stem Cell Therapy for Peripheral Arterial Disease: A Review of Clinical Trials. *Stem Cell Studies*. 2011; Volume 1;e17: 104-114.

Book Chapters

- 1) **Taghavi S.**, Duchesne J. Chapter 13-10: Abdominal Vascular Injury and Use of REBOA. In Fischer's Mastery of Surgery (8e). Philadelphia, Pennsylvania: Wolters Kluwer. In Press.
- 2) Anderson C., **Taghavi S.** Pericardial Window: Subxiphoid, Parasternal. In Hawn M. (Ed) *Operative Techniques in Surgery (2e)*. Philadelphia, Pennsylvania: Wolters Kluwer. In Press.
- 3) Simpson J.T., **Taghavi S.** Gastric Oncological Emergencies: A Practical Guide for the General Surgeon. In Tarasconi A. (Ed) *Oncologic Surgical Emergencies (1e)*. Basingstoke, United Kingdom: Springer Nature Publishing. In Press.
- 4) **Taghavi S.**, Salim A. Brain Failure and Brain Death. In Ashley S. (Ed.) *Scientific American Surgery Critical Care*. Toronto, ON: Decker. In Press.
- 5) Coleman M., **Taghavi S.**, Seshadri A., Aubry R., Askari R. Surgical and Interventional Radiology Techniques for Obtaining Enteral Access. In Robinson M. (Ed.) *Scientific American Nutrition*. Toronto, ON: Decker. In Press.
- 6) **Taghavi S.**, Askari R., Rogers S. How Do We Manage HBP Injuries in the Perioperative Period? In Chu D. et al. (Eds.) *Hepato-Pancreato-Biliary and Transplant Surgery: Practical Management of Dilemmas (1e)*. Louisiana: Beaux Books. SBN-13: 978-099-777219-7.
- 7) Hirji S., **Taghavi S.**, Askari R. Necrotizing Soft Tissue Infection. In Brown C. et al (Eds.) *Emergency General Surgery: A Practical Approach (1e)*. New York, NY: Springer. ISBN 978-3-319-96286-3.
- 8) Hirji S., **Taghavi S.**, Askari R. Fungal, Viral, and Other Oddball Infections and the Immunosuppressed Patient. In Salim. et al (Eds.) *Surgical Critical Care Therapy (1e)*. New York, NY: Springer. ISBN 978-3-319-71712-8.
- 9) **Taghavi S.**, Mangi A., Agnihotri A. Post-Infarction Ventricular Septal Defect Repair. In Selk F., Ruel M. (Eds.), *Atlas of Cardiac Surgical Techniques, (2e)*. Waltham, MA: Elsevier. ISBN 978-0-323-46294-5.
- 10) Kadakia S., Ambur V., **Taghavi S.**, Shiose A., Toyoda Y. Mechanical Circulatory Support Devices. In *Organ Transplantation*. Rijeka, Croatia: InTech. ISBN 978-953-51-4677-3
- 11) **Taghavi S.**, Mangi A.A. (2015). Postinfarction Ventricular Septal Defect and Ventricular Rupture. In. Sellke F.W. (Eds.), *Sabiston and Spencer's Surgery of the Chest (9e)*. Waltham, MA: Elsevier. ISBN 978-0-323-24126-7.
- 12) **Taghavi S.**, Mangi A.A. (2015). Patient Selection. In Eisen H. (Eds.), *Heart Failure: A Comprehensive Guide to Pathophysiology and Clinical Care (1e)*. New York, NY: Springer. ISBN 978-1-4471-4219-5.

Educational Media

- 1) **Taghavi S.** Cost Effectiveness of Universal Screening for Blunt Cerebrovascular Injury. *The Operative Word. Journal of the American College of Surgeons Podcast Series*. <https://www.facs.org/for-medical-professionals/news-publications/news-and-articles/acs-brief/july-19-2022-issue/acs-podcasts/>. February 2023.
- 2) **Taghavi S.**, Gaughan C. Tracheal-Esophageal Fistula Learning Objectives. *Surgical Council on Resident Education (SCORE) Online Module*. <https://portal.surgicalcore.org>. June 2012.

- 3) **Taghavi S.**, Gaughan C. Tracheal-Inominate Fistula Learning Objectives. *Surgical Council on Resident Education (SCORE) Online Module*. <https://portal.surgicalcore.org>. June 2012.

Journal Reviewer

Prehospital Emergency Care, Ad hoc reviewer

Journal of Clinical Investigation, Ad Hoc Reviewer

Journal of Surgical Research, Ad hoc reviewer

Journal of the American College of Surgeons (JACS), Ad hoc reviewer

The Journal of Trauma and Acute Care Surgery, Ad hoc reviewer

Surgery, Ad hoc reviewer

American Journal of Respiratory and Critical Care Medicine (The Blue Journal), Ad hoc reviewer

International Journal of Surgery, Ad hoc reviewer

Grant Review Panels

- 12/24 **Panel Reviewer**, US Army Institute of Surgical Research
Combat Casualty Care Research Program, December 2024
- 11/24 **Panel Reviewer**, National Institute of Health (NIH)
ZRG1 RCCS-B (11), Respiratory Sciences (SBIR/STTR), November 2024
- 11/23 **Panel Reviewer**, National Institute of Health (NIH)
ZRG1 RCCS-B (11), Respiratory Sciences (SBIR/STTR), November 2023
- 2/23 **Peer Reviewer**, United States Army Medical Research and Development Command, Blood and
Blood Products, Combat Casualty Care Research Program. February 2023.
- 8/22 **Peer Reviewer**, Department of Defense Congressionally Directed Medical Research Programs
(CDMRP), Joint Warfighter Medical Research Program. August 2022.
- 4/21 **Peer Reviewer**, Department of Defense Congressionally Directed Medical Research Programs
(CDMRP), Hemorrhage Control Study Section. May 2021.
- 4/20 **Peer Reviewer**, Department of Defense Congressionally Directed Medical Research Programs
(CDMRP), Hemorrhage Control Study Section. May 2020.
- 4/19 **Peer Reviewer**, Department of Defense Congressionally Directed Medical Research Programs
(CDMRP), Hemorrhage Control Study Section. May 2019.

Teaching and Mentorship

- 11/20 – present **Course Director**, ATLS Course
Tulane University School of Medicine, New Orleans, LA
- 6/19-present **Tulane Learning Communities (TLC) Mentoring Program**, Faculty Mentor
Tulane University School of Medicine, New Orleans, LA

- 9/19-present **Moderator, Surgery Clerkship Bullpen**
Tulane University School of Medicine, New Orleans, LA
- 9/19-present **Proctor, Objective Structured Clinical Exam (OSCE)**
Tulane University School of Medicine, New Orleans, LA
- 6/21 **Guest Speaker, Tulane Pre-College Program**
Tulane University School of Medicine

Students and Residents Mentored

- 6/21-present **Clinical and Research Mentor (Debakey Scholar Mentor)**, Alexandra Campbell
Tulane University School of Medicine, New Orleans, LA
- 6/23-present **Clinical and Research Mentor (Debakey Scholar Mentor)**, Ann Zhang
Tulane University School of Medicine, New Orleans, LA
- 6/23-present **Clinical and Research Mentor (Debakey Scholar Mentor)**, Alyssa Kim
Tulane University School of Medicine, New Orleans, LA
- 6/23-present **Clinical and Research Mentor (Debakey Scholar Mentor)**, Jordan Lo
Tulane University School of Medicine, New Orleans, LA
- 6/23-present **Clinical and Research Mentor**, Augustus “Chip” Anderson
Tulane University School of Medicine, New Orleans, LA
- 6/23-present **Clinical and Research Mentor**, Sydney Caputo
Tulane University School of Medicine, New Orleans, LA
- 6/23-present **PhD Dissertation Mentoring Committee**, PhD Student Lexie Ornelas
Tulane University Violence Prevention Institute, New Orleans, LA
- 6/21-6/23 **Clinical and Research Mentor**, Michael Ghio
Matched Surgical Critical Care Fellowship at University of Pennsylvania School of Medicine
Tulane University School of Medicine, New Orleans, LA
- 6/21-6/23 **Clinical and Research Mentor**, Christofer Anderson
Matched Trauma/Surgical Critical Care Fellowship at Yale University School of Medicine
Tulane University School of Medicine, New Orleans, LA
- 6/21-6/23 **Clinical and Research Mentor**, Kristen Nordham,
Matched Surgery Residency at UCLA-Harbor
Tulane University School of Medicine, New Orleans, LA
- 6/20-5/23 **PhD Dissertation Mentoring Committee**, PhD Student Sarah Abdullah
Post-Doctoral Fellow at University of Maryland/Shock-Trauma
Tulane University School of Medicine, New Orleans, LA
- 6/20-6/22 **Clinical and Research Mentor (DeBakey Scholar Mentor)**, Ayman Ali
4th year Medical Student Research Award
Matched Surgery Residency at Duke University School of Medicine
Tulane University School of Medicine, New Orleans, LA

Residency Medical Student Lectures and Teaching Sessions

- 12/23 **Instructor**, Wound Vac and Laparotomy
Tulane University School of Medicine, Surgical Residency Simulation Center
- 9/22 **Instructor**, Central Line and Arterial Lines
Tulane University School of Medicine, Surgical Residency Simulation Center
- 3/22 **Instructor**, Transitions to Residency Course
Tulane University School of Medicine, Medical Student Elective
- 5/21 Clinical Skills Workshop
Tulane University School of Medicine, Medical Student Clerkship Orientation
- 10/20 Overview of Trauma
Tulane University School of Medicine, Surgery Clerkship Core Lecture
- 1/20 Overview of Trauma
Tulane University School of Medicine, Surgery Clerkship Core Lecture

Global Health Experiences

- 3/13-5/13 **Mahaveer Jain Hospital**, Bangalore, India
Cardiovascular and Thoracic Surgery Rotation
Preceptor: Dr. Ganesh Nayak, M.D.
Provided pre- and post-operative clinical care to patients undergoing cardiovascular and thoracic surgical procedures. Participated in the operative treatment of patients undergoing cardiac and thoracic surgery.
- 1/08-4/08 **Kenya Methodist Hospital**, Maua, Kenya
General and Trauma Surgery Rotation
Preceptor: Dr. John Muchiri, Ph.D.
Participated in the clinical care of patients with general surgical, traumatic, and urological problems. Delivered care to patients in the outpatient clinic, inpatient hospital ward, and operating room.
- 5/05-8/05 **Iranian Hemophilia Treatment Center**, Tehran, Iran
Hematology Rotation
Preceptor: Freydoon Alla, M.D.
Participated in the care of patients with hemophilia and other bleeding disorders.

Volunteer Experiences

- 3/02-5/08 **Co-Founder, Foundation for Health and Education Development**
Richmond, Virginia
Co-founded a non-governmental, non-profit organization that provides aid to developing countries. Organized fundraisers for victims of Hurricane Katrina, Iranian earthquake survivors, and Tsunami victims.
- 1/00-5/02 **Emergency Medical Technician, Western Albemarle Volunteer Rescue Squad**
Crozet, Virginia
Provided basic life support to patients during ambulatory transport to the hospital. Performed such skills as oxygen administration, CPR, monitoring vital signs, and wound management.

Lay Press Appearances

The Best Trampoline. New York Times Wirecutter. October 1, 2024. Found at <https://www.nytimes.com/wirecutter/reviews/best-trampoline/>

Tulane University Experts Examine the Link Between Structural Racism and Mass Shootings. WABE 90.1. October 26, 2023. Found at <https://www.wabe.org/tulane-university-experts-examine-the-link-between-structural-racism-and-mass-shootings/>

In the Last Decade, an Estimated 40 million Americans Have Lived Within 1 Mile of a Mass Shooting. CNN News. August 30, 2023. Found at <https://www.cnn.com/interactive/2023/08/us/americans-living-near-mass-shootings-statistics-dg/>.

Structural Racism May Contribute to Mass Shootings, Study Says. CNN News. July 20, 2023. Found at <https://www.cnn.com/2023/07/19/us/mass-shootings-structural-racism/index.html>.

Gun Ban, Lawsuits, and Other Ideas Pitched at Wear Orange Event. WGNO News. June 3, 2023. Found at <https://wgno.com/news/crime/gun-ban-lawsuits-and-other-ideas-pitched-at-wear-orange-weekend-event-to-reduce-gun-violence/>.

Beset by Gun Violence, Tulane Group Seeks Solutions. www.tulanehullabaloo.com. May 5, 2023. Found at <https://tulanehullabaloo.com/63515/news/beset-by-gun-violence-tulane-group-seeks-solutions/>.

The Public Health Epidemic of Gun Violence. “Living Well in the Big Easy, Mental Health Matters” 102.3 WHIV FM Radio on June 4, 2022. <https://whivfm.org/>

Experts: Gun Violence is a Public Health Problem That Requires a Multifaceted Solution. www.bigeasymagazine.com. June 3, 2022. Found at: <https://www.bigeasymagazine.com/2022/06/01/experts-gun-violence-is-a-public-health-problem-that-requires-a-multifaceted-solution/>

Pregnant Women Are Injured More in the City Than Most Other Places, According to Growing Data, Including the Number of Pregnant Patients in Need of Care for Violent Injuries in New Orleans. www.nola.com. April 11, 2022. Found at: https://www.nola.com/news/crime_police/article_16683b12-b77f-11ec-8260-c7dd3d46615c.html?utm_medium=social&utm_source=twitternoladotcom&utm_campaign=snd

Tulane Helps Launch Research Hub For Youth Violence Prevention. Biz New Orleans. February 24, 2022. Found at: <https://www.bizneworleans.com/tulane-helps-launch-research-hub-for-youth-violence-prevention/>

Heavy Smokers Can Be Successful Lung Donor Candidates. CNN News. January 29, 2013. Reporter: Nadia Kounang. Found at: <http://thechart.blogs.cnn.com/2013/01/29/heavy-smokers-can-be-successful-lung-donor-candidates/#comments>

Medical Licensure

Louisiana State Board of Medical Examiners License

Louisiana Board of Pharmacy

Educational Certifications

Advanced Trauma Life Support (ATLS), Instructor Certification

Stop the Bleed, Instructor Certification

Society of Gastrointestinal and Endoscopic Surgery (SAGES), Fundamentals of Laparoscopic Surgery (FLS) Certification

Advanced Cardiovascular Life Support, Provider Certification

Basic Cardiovascular Life Support, Provider Certification

Societal Memberships

2023-present	American Association for the Surgery of Trauma, Full Membership
2022-present	Society of University Surgeons (SUS)
2022-present	Society for the Advancement of Violence and Injury Research (SAVIR)
2022-present	Society of Asian American Surgeons (SAAS)
2020-present	Orleans Parish Medical Society
2019-2023	American Association for the Surgery of Trauma, Associate Membership
2019-present	International Society of Surgery (ISS)
2019-present	Southeastern Surgical Congress (SESC)
2018-present	Louisiana Chapter of the American College of Surgeons
2018-present	Surgical Infection Society
2017-present	Eastern Association for the Surgery of Trauma (EAST)
2017-present	Society of Critical Care Medicine (SCCM)
2017-present	American College of Chest Physicians (CHEST)
2017-present	American Thoracic Society
2016-present	American Trauma Society
2016-present	The Shock Society
2012-present	Association for Academic Surgery (AAS)
2012-2015	Philadelphia Academy of Surgery
2011-present	American Heart Association
2008-present	American College of Surgeons
2004-2008	American Medical Student Association

Professional Committees and Leadership Positions

2024-present	Program Committee, Association for Academic Surgeons (AAS)
2024-present	Membership Task Force Committee, Society of Asian-American Surgeons (SAAS)
2023-present	Vice-Chair, Louisiana Committee on Trauma (COT)
2023-present	Program Committee, Society of Asian-American Surgeons (SAAS)

2023-present	Membership Committee, Society of University Surgeons (SUS)
2022-present	Mental Health Task Force Ad Hoc Committee, Association for Academic Surgery (AAS)
2022-present	Peer Review Committee, University Medical Center (UMC)
2022-2024	Councilor, Class of 2018, Association for Academic Surgery (AAS)
2018-present	Trauma Research Scholarship Committee, Eastern Association for the Surgery of Trauma
2021- present	Institutional Review Board Committee, Tulane University School of Medicine
2019-present	Injury Prevention Committee, American Association for the Surgery of Trauma
2019-present	Communications Chair, Louisiana Chapter of the American College of Surgeons
2018-2021	Multi-institutional Trial Committee, Eastern Association for the Surgery of Trauma
2019-2021	Program Committee, Association for Academic Surgery
2018-2020	Education Committee, Resident and Associate Society, American College of Surgeons
2018-2020	Blood Utilization Committee, Our Lady of the Lake Hospital
2014-2015	Administrative Chief Resident, Temple University Hospital, Department of Surgery
2014-2015	Peer Review Committee, Temple University Hospital
2013-2014	Operating Room Committee, Temple University Hospital
2013-2014	Cholecystectomy Redesign Initiative Committee, Temple University Hospital
2013-2014	Education Committee, Department of Surgery, Temple University Hospital
2007-2008	Treasurer, American Medical Student Association, Tufts University Chapter

Honors and Awards

2024	Award Winner, Castle Connolly Top Doctors in New Orleans
2024	Inductee, AAST Leadership Academy
2023	Award Winner, ACS/EAST Health Policy Scholarship
2022	Award Winner, EAST Scholarship for SUS Leadership Agility Program
2022	Award Winner, Early Career/Emerging Faculty Recognition Award, Tulane School of Medicine
2022	Inductee, Alpha Omega Alpha, Medical Honor Society
2021	Award Winner, EAST Trauma Research Scholarship
2020	Award Winner, AAS-SUS Basic & Translational Mentorship Program

2020 Award Winner, LA CaTS Visiting Scholar Award

2019 Award Winner, EAST Leadership Development Workshop Scholarship Award

2019 Award Winner, American College of Surgeons (ACS) Leadership Scholarship Award

2019 Award Winner, American College of Surgeons (ACS), International Exchange Scholar

2015 Award Winner, American College of Surgeons (ACS) Leadership Conference and Advocacy Summit Scholarship

2015 Winner, Robert D. Harwick Resident Research Symposium, Temple University Hospital Department of Surgery

2011-2013 Award Winner, Ruth L. Kirschstein National Research Service Award, National Institute of Health (NIH)

2013 First Place, Best Cardiac Surgery Paper, Eastern Cardiothoracic Surgical Society Annual Scientific Assembly

2013 Second Place, Basic Science Paper, American College of Surgeons Region 3 Committee on Trauma, Annual Resident Paper Competition

2013 First Place, Basic Science Paper, Pennsylvania Committee on Trauma, Annual Resident Paper Competition

2013 Honorable, Eastern Association for the Surgery of Trauma, Raymond H. Alexander Resident Paper Competition

2013 Third Place, Robert D. Harwick Resident Research Symposium, Temple University Hospital Department of Surgery

2013 Finalist, Philadelphia Academy of Surgery, Resident Paper Competition

2012 Selection, Medical Student Poster Awards Judge at the American College of Surgeons (ACS) 98th Annual Clinical Congress

2012 Finalist, American Heart Association, Cournand and Comroe Young Investigator Award

2011 Finalist, Eastern Association for the Surgery of Trauma, Raymond H. Alexander Resident Paper Competition

2010 Award Winner, Society of Thoracic Surgeons (STS), Looking to the Future Scholarship Award

2008 Winner, Dr. Ernest Grable Prize for the Outstanding Graduating Medical Student who excelled in the study of surgery

2001 Alpha Epsilon Delta, National Premedical Honor Society