

NAME: Shinil K. Shah, DO, FACS, FASGE

PRESENT TITLE: Associate Professor of Surgery
Medical Director, Research
Division of Minimally Invasive and Elective General Surgery
McGovern Medical School at UT Health

Medical Director, Bariatric Surgery, Memorial Hermann Sugar Land Hospital
Chair, Surgery, Memorial Hermann Sugar Land Hospital

Faculty, Michael E. DeBakey Institute for Comparative Cardiovascular Science
and Biomedical Devices, Texas A&M University

ADDRESS: McGovern Medical School at UT Health
Department of Surgery
Division of Minimally Invasive and Elective General Surgery
6431 Fannin Street, MSB 4.156
Houston, TX 77030

CITIZENSHIP: United States of America

UNDERGRADUATE EDUCATION:

1997-2000 Wharton County Junior College
Wharton, TX – AA (General Studies), Honors (1998)

1998-1999 Houston Community College System
Houston, TX

2000-2001 University of Houston Clear Lake
Houston, TX – BS (Behavioral Sciences)

GRADUATE EDUCATION:

2002-2006 University of Medicine and Dentistry of New Jersey
School of Osteopathic Medicine (UMDNJ-SOM)
Stratford, NJ – DO

2019-Present University of Houston
College of Education
Houston, TX
Executive Doctor of Education Degree in Professional Leadership
with an Emphasis in Health Science Education Program

POST-GRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

2006-2013 McGovern Medical School at UT Health
General Surgery Residency Program
Chairman: Richard J. Andrassy, MD
Program Director: John R. Potts, III, MD

2008-2010 McGovern Medical School at UT Health
Department of Pediatric Surgery

Texas A&M University
Michael E. DeBakey Institute for Comparative Cardiovascular

Science and Biomedical Devices

Research Fellowship
Mentor: Charles S. Cox, Jr, MD

2013-2014 McGovern Medical School at UT Health
Minimally Invasive/Robotic Surgery Fellowship Program
Chairman: Richard J. Andrassy, MD
Program Director: Erik B. Wilson, MD

ADVANCED TRAINING

2014 June Apollo Endosurgery
OverStitch™ Endoscopic Suturing System

2014 September Medigus, Ltd
MUSE™ Transoral Fundoplication for GERD

2014 November EndoGastric Solutions, Inc
EsophyX® for Transoral Incisionless Fundoplication (TIF)

2015 May Mederi Therapeutics, Inc
Stretta Therapy for GERD

2016 May Introduction to POEM (Per-Oral Endoscopic Myotomy)
Society for Surgery of the Alimentary Tract (SSAT)

ACADEMIC APPOINTMENTS:

2010-Present Faculty
Michael E. DeBakey Institute for Comparative Cardiovascular
Science and Biomedical Devices
Texas A&M University
College Station, TX

2013-2014 Clinical Instructor
Department of Surgery
Division of Minimally Invasive and Elective General Surgery
McGovern Medical School at UT Health
Houston, TX

2014-2018 Assistant Professor of Surgery
Department of Surgery
Division of Minimally Invasive and Elective General Surgery
McGovern Medical School at UT Health
Houston, TX

2018-Present Associate Professor of Surgery
Department of Surgery
Division of Minimally Invasive and Elective General Surgery
McGovern Medical School at UT Health
Houston, TX

OTHER PROFESSIONAL APPOINTMENTS:

2019-Present Expert Panelist (Surgery)

Texas Medical Board
Austin, TX

HOSPITAL APPOINTMENTS:

2013-Present Memorial Hermann – Texas Medical Center
2013-Present Harris Health – Lyndon Baines Johnson (LBJ) General Hospital
2014-Present Memorial Hermann Sugar Land Hospital
2014-Present Memorial Hermann Katy Hospital
2014-Present Memorial Hermann Texas Medical Center Surgery Center
2015-Present Memorial Hermann Sugar Land Surgery Center

2014-2018 Houston Methodist Sugar Land Hospital
2015-2016 Physicians SurgiCenter of Houston
2014-2016 Memorial Hermann Southwest Hospital
2013 Houston Hospital for Specialized Surgery

LICENSURE:

Texas Medical Board – N2293 (Active)
Controlled Substances Registration, Texas Department of Public Safety (Active)
Controlled Substances Registration, Drug Enforcement Administration (Active)

CERTIFICATION:

Advanced Cardiac Life Support
Advanced Trauma Life Support
Advanced Surgical Skills for Exposure in Trauma (2013)
Fundamentals of Laparoscopic Surgery #103329728632 (2012)
American Board of Surgery #058937 (2014)
National Board of Medical Examiners (USMLE Step 1, 2CK, 2CS, 3)
National Board of Osteopathic Medical Examiners (COMLEX 1, 2CE, 2PE, 3)

PROFESSIONAL ORGANIZATIONS (CURRENT):

American Osteopathic Association
Association for Academic Surgery
American College of Surgeons – Fellow
Americas Hernia Society
American Society of Gastrointestinal Endoscopy - Fellow
Society of American Gastrointestinal and Endoscopic Surgeons
The Society for Surgery of the Alimentary Tract
American Society for Metabolic and Bariatric Surgery

HONORS/AWARDS:

2003 UMDNJ-SOM Student Research Fellowship Program
2005 Sigma Sigma Phi (National Osteopathic Honor Society)
2006 Dean's Recognition Award (UMDNJ-SOM)
2007 1st place, Surgical Jeopardy (South Texas Chapter, American College of Surgeons, Houston, Texas)
2008 ServiceFIRST Hero, LBJ General Hospital/Harris County Hospital District
2008 The Arnold P. Gold Foundation Humanism and Excellence in Teaching Award
2008 Gold Humanism Honor Society
2009 Winner, 2010 South Texas Chapter Committee on Trauma Resident Trauma Paper Competition (Basic Science Category)
2009 2010 Region VI Committee on Trauma Resident Paper Competition

- 2010 Best Manuscript by a New AAS (Association for Academic Surgery) Member
- 2010 Fellow, Michael E. DeBaKey Institute for Comparative Cardiovascular Science and Biomedical Devices, Texas A&M University, College Station, TX
- 2010 Resident Research Award 2010 for Outstanding Research Contributions as a Surgical Resident, University of Texas Medical School at Houston Department of Surgery
- 2011 3rd Place, Resident Research Oral Presentation Competition, South Texas Chapter, American College of Surgeons Annual Meeting
- 2011 Alpha Omega Alpha Honor Medical Society, Delta Chapter
- 2012 Raleigh R. Ross Scholar, Texas Surgical Society
- 2013 Chief Resident of the Year, University of Texas Medical School at Houston Department of Surgery
- 2015 2014-2015 Dean's Teaching Excellence Award, University of Texas Medical School at Houston
- 2015 Society of American Gastrointestinal and Endoscopic Surgeons Certification of Fellowship Training in Advanced GI/MIS and Flexible Endoscopy
- 2016 Top Doctor, Houstonia Magazine, 2016
- 2016 Fellow, American College of Surgeons
- 2017 Outstanding Male Physician 2016, Memorial Hermann Sugar Land Hospital
- 2017 Physician of the Year 2017, Memorial Hermann Sugar Land Hospital
- 2018 2017-2018 Dean's Teaching Excellence Award, UT Health McGovern Medical School
- 2018 Most Responsive Award, Memorial Hermann Sugar Land Hospital
- 2018 Ralph E. Ligon, MD Award, Department of Surgery 2017-2018
- 2020 Chief Resident Class, UT Health McGovern Medical School
- 2020 Fellow, American Society of Gastrointestinal Endoscopy

EDITORIAL POSITIONS:

2003-2011 Manuscript Reviewer, Lippincott, Williams and Wilkins, Philadelphia, PA

Ad-hoc Manuscript Reviewer

Journal of Parenteral and Enteral Nutrition
Journal of the American Board of Family Medicine
Clinical Reviews and Opinions
Journal of Clinical Outcomes Management
International Surgery
Journal of the American Osteopathic Association
Clinical Medicine Insights: Case Reports
Minerva Chirurgica
BMC Research Notes
BMJ Case Reports
Medical Devices: Evidence and Research
World Journal of Gastrointestinal Surgery
Journal of Surgery and Operative Care
Journal of Medical Insight

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

- 2008 The Broad Foundation, Broad Medical Research Foundation, Inflammatory Bowel Disease Grants Proposal/Grant Review
- 2015 Moderator, Endoluminal Approaches to Obesity. 10th International NOSCAR Summit – Advances in NOTES and Endoluminal Surgery, Downers Grove, IL, July 11, 2015
- 2018 Co-Moderator, General Surgery VIII, Owen H. Wangensteen Scientific Forum, American College of Surgeons, Clinical Congress 2018, Boston, MA. October 24, 2018.
- 2018 Co-Moderator, Advanced Single Anastomosis Bariatric Surgery, American Society for Bariatric and Metabolic Surgery, Obesity Week 2018, Nashville, TN. November 11, 2018.
- 2020 Panelist, The Great Stapler Debate, Surgical Disruptive Technology Summit. Houston, TX. March 9, 2020.

SERVICE ON MCGOVERN MEDICAL SCHOOL AT UT HEALTH DEPARTMENTS AND COMMITTEES:

- 2006-2007 Educational Advisory Committee, Department of Surgery
- 2009-2010 Educational Advisory Committee, Department of Surgery
- 2009 Faculty Humanism Award Selection Committee
- 2012-2013 Educational Advisory Committee, Department of Surgery
- 2014-Present Educational Advisory Committee, Department of Surgery
- 2014-Present Clinical Competency Committee, Department of Surgery
- 2015-2019 Faculty Senate
- 2016-Present Site Director (Memorial Hermann Sugar Land Hospital), General Surgery Residency Program
- 2020-Present Diversity, Equity, and Inclusion Committee, Department of Surgery

SERVICE ON MEMORIAL HERMANN HOSPITAL SYSTEM COMMITTEES:

- 2015-Present Peri-operative Physician Council (Memorial Hermann Sugar Land Hospital)
- 2016-2019 Performance Improvement/Quality Review Committee (PIQRC) (Memorial Hermann Sugar Land Hospital)
- 2016-Present Moderator, General Cancer Conference (Memorial Hermann Sugar Land Hospital)
- 2017-2018 Quality Patient Safety and Infection Control Committee (Memorial Hermann Katy Hospital)
- 2017-2018 Medical Director, Peri-Operative Services (Memorial Hermann Sugar Land Hospital)
- 2017-Present Surgical Site Infection Task Force (Memorial Hermann Sugar Land Hospital)
- 2018-2018 Vice Chair, Department of Surgery (Memorial Hermann Sugar Land Hospital)
- 2018-Present Chair, Department of Surgery (Memorial Hermann Sugar Land Hospital)
- 2018-Present Medical Executive Committee (Memorial Hermann Sugar Land Hospital)
- 2018-Present Medical Director, Bariatric Surgery (Memorial Hermann Sugar Land Hospital)
- 2019-Present Surgery Clinical Programs Committee (MHMD Memorial

2019-Present	Hermann Physician Network) Bariatric Surgery Clinical Programs Committee (MHMD Memorial Hermann Physician Network)
2021-Present	Cancer Committee (Memorial Hermann Sugar Land Hospital) Cancer Liaison Physician Cancer Conference Coordinator Quality Improvement Coordinator
2021-Present	Memorial Hermann Integrated Network Cancer Committee

SERVICE ON HARRIS HEALTH SYSTEM – LYNDON B. JOHNSON GENERAL HOSPITAL:

2017-2019	Director, Robotic Surgery
2017-2019	Robotic Steering Committee

MENTORSHIP OF UNDERGRADUATE STUDENTS:

2009	Natalia Velez Ramos: (2009, STEP-UP Clinical and Research Internship); Project: The role of iNOS in edema induced intestinal dysfunction.
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MENTORSHIP OF MEDICAL STUDENTS:

2017	Nicholas Holton: (2017 Summer Medical Student Research Program): Project: Single institution retrospective review of robotic para-esophageal hernia repair.
2018	Thomas Nguyen: (2018 Summer Medical Student Research Program): Project: Outcomes of robotic revisional as opposed to primary roux-en-y gastric bypass

COURSE FACULTY

2017	Faculty, Hernia Hands-On Lab, Advanced Abdominal Wall Reconstruction Course, 2017 Texas ACS Joint Annual Meeting, Austin, TX. February 27, 2017.
2018	Hands-On Skills Instructor, Contemporary Strategies for Minimally Invasive Inguinal and Ventral Hernia Repair (Lab), American College of Surgeons, Clinical Congress 2018, Boston, MA. October 24, 2018.
2019	Faculty, SAGES Robotics Fellows Course, Society of American Gastrointestinal and Endoscopic Surgeons, Houston, TX, June 10-11, 2019.

CURRENT GRANT SUPPORT:

1. UT Health McGovern Medical School Department of Anesthesiology Seed Grant (2018): \$5,000; Project: Evaluating frequency of under-dosing of venous thromboembolism (VTE) prophylaxis in patients undergoing bariatric surgery utilizing thromboelastography and Factor Xa levels. Principal Investigator: Davide Cattano, MD, PhD; **Co-Principal Investigator**
2. Activ Surgical, Inc (2020-2023): \$ 300,000; Project: Prospective accrual and analysis of intraoperative video scenes during bariatric, colorectal, and hepatobiliary surgeries and clinical utility. Principal Investigator: Erik B. Wilson, MD; **Co-Principal Investigator**
3. Activ Surgical, Inc. (2020-2023): \$ 300,000; Project: Safety and feasibility of ActivSight™ Laser speckle imaging in visualization of tissue perfusion and vasculature in human. Principal Investigator: Erik B. Wilson, MD; **Co-Principal Investigator**

PAST GRANT SUPPORT:

1. Foundation of UMDNJ and UMDNJ-SOM Dean's Office (2003): \$2000.00; Project: Physician evaluation of decreased bone density in patients at risk due to glucocorticoid therapy. Co-investigators: **Shinil K. Shah, DO** and Gintare T. Gecys, DO
2. BD Biosciences, Inc (2010): \$10,000.00; Project: T regulatory cells as a therapeutic target for progenitor cells in traumatic brain injury (TBI). Co-investigators: Peter A. Walker, MD, Fernando Jimenez, MS, **Shinil K. Shah, DO**, and Charles S. Cox, Jr., MD
3. Medigus, Ltd (2015-2018): \$111,640.50; Project: A worldwide post-market surveillance registry to assess the Medigus Ultrasonic Surgical Endostapler (MUSE™) System for the treatment of GERD. Principal Investigator: **Shinil K. Shah, DO**; Co-Principal Investigator: Erik B. Wilson, MD
4. neoSurgical: \$184,006 (2015-2018); Project: Prospective, single blinded, randomized trial evaluating effectiveness of Neo Close fascial closure device versus Carter Thomason suture passer. Principal Investigator: Peter A. Walker, MD; **Co-investigator**
5. Intuitive Surgical, Inc (2018-2019): \$50,000; Project: A multi-center, blinded, randomized controlled trial of the impact of robotic versus laparoscopic ventral hernia repair on patient centered outcomes and healthcare economics. Principal Investigator: **Shinil K. Shah, DO**; Co-Investigator: Todd D. Wilson, MD

CONSULTING:

1. Surpass Inc., Osceola, WI (2009): Consultant, Surgical Services
2. W.L. Gore & Associates (2016, 2018): Consultant
3. Intuitive Surgical, Inc., Sunnyvale, CA (2016-Present): Proctor
4. C-SATS, Seattle, WA (2017-Present): Reviewer
5. Hatchleaf, Inc., Houston, TX (2020-Present): Consultant
6. Activ Surgical, Boston, MA (2021-Present); Consultant

PUBLICATIONS:

ABSTRACTS:

LOCAL/REGIONAL:

1. **Shah SK**, Xue H, Uray KS, Cox CS Jr. Sodium hydrogen exchanger inhibition improves ileus induced by intestinal edema. Texas Medical Center Digestive Diseases Center Inaugural "Frontiers in Digestive Diseases" Symposium: Inflammation and GI Research, Houston, TX. February 12, 2009.
2. **Shah SK**, Xue H, Uray KS, Cox CS Jr. iNOS inhibition increases intestinal contractile frequency in resuscitation induced intestinal edema. Texas Medical Center Digestive Diseases Center Inaugural "Frontiers in Digestive Diseases" Symposium: Inflammation and GI Research, Houston, TX. February 12, 2009.
3. Uray KS, Hummel JA, **Shah S**, Cox CS Jr. The effects of increasing cyclical stretch on human intestinal smooth muscle cell signaling. Texas Medical Center Digestive Diseases Center Inaugural "Frontiers in Digestive Diseases" Symposium: Inflammation and GI Research, Houston, TX. Feb. 12, 2009.
4. **Shah SK**, Fogle LN, Aroom KR, Gill BS, Uray KS, Cox CS Jr. Mechanotransduction as a mechanistic explanation for edema induced intestinal dysfunction. The South Texas Chapter, American College of Surgeons, 2009 Annual Meeting, Houston, TX. February 19-21, 2009.
5. Velez N, **Shah SK**, Gill BS, Cox CS Jr. The role of iNOS in intestinal edema. The University of Texas MD

Anderson Cancer Center STEP-UP 2009 Clinical and Research Internship, Houston, TX. July 31, 2009.

6. **Shah SK**, Jimenez F, Walker PA, Xue H, Aroom KR, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid (PF) from an animal model of abdominal compartment syndrome (ACS) induces priming of naïve polymorphonuclear leukocytes (PMNs). The South Texas Chapter, American College of Surgeons, 2010 Annual Meeting, Austin, TX. February 25-27, 2010.

7. Walker PA, Jimenez F, **Shah SK**, Huffsmith B, Dash PK, Cox CS Jr. Autologous mononuclear progenitor cell injection for traumatic brain injury (TBI): The effect of injury cavity volume on potential neuroprotection. The South Texas Chapter, American College of Surgeons, 2010 Annual Meeting, Austin, TX. February 25-27, 2010.

8. **Shah SK**, Cox CS Jr, Xue H, Aroom KR, Walker PA, Gill BS, Jimenez F, Moore-Olufemi SD. Non-occlusive mesenteric hypertension: Elucidating the pathophysiology of gastroschisis-related intestinal dysfunction. South Texas Chapter, American College of Surgeons, Houston, TX. February 24-26, 2011.

9. Walker PA, Jimenez F, **Shah SK**, Xue H, Hamilton JA, Mays RW, Deans R, Pati S, Cox CS Jr. Intravenous multipotent adult progenitor cell therapy for traumatic brain injury: Modulation of the resident neuronal macrophage population. South Texas Chapter, American College of Surgeons, Houston, TX. February 24-26, 2011.

10. Liao GP, Hetz RA, Walker PA, **Shah SK**, Jimenez F, Kosmach S, Day MC, Lee DA, Worth LL, Cox CS. Autologous bone marrow mononuclear cells reduce therapeutic intensity for severe traumatic brain injury in children. South Texas Chapter, American College of Surgeons, Houston, TX. February 20-22, 2014.

11. Perez C, Santillan MR, Bajwa K, Mehta S, Snyder B, Wilson T, Wilson EB, **Shah SK**, Walker PA. Retrospective comparison of robotic versus laparoscopic ventral hernia repair: does robotics improve outcomes? South Texas Chapter ACS Annual Meeting, San Antonio, TX. February 25-27, 2016.

12. Holton NF, Felinski MM, Mehta SS, Bajwa KS, Snyder BE, Wilson TD, Walker PA, Chandwani KD, Klein CL, Rivera AR, Wilson EB, **Shah SK**. Safety of robotic assisted laparoscopic recurrent paraesophageal hernia repair: insights from a large single institution experience. Annual Meeting, South Texas Chapter, American College of Surgeons, February 22-24, 2018, Houston, TX.

NATIONAL:

1. Uray KS, Hummel JA, **Shah S**, Cox CS Jr. The effects of increasing cyclical stretch on human intestinal smooth muscle cell signaling. Keystone Symposia, Mechanotransduction in Physiology and Disease, Taos, NM. January 18-23, 2009.

2. Radhakrishnan RS, **Shah SK**, Lance SH, Radhakrishnan HR, Xue H, Radhakrishnan GL, Ramaswamy US, Walker PA, Uray KS, Cox, CS Jr. Hypertonic saline alters hydraulic permeability and upregulates aquaporin 4. The 4th Annual Academic Surgical Congress, Fort Myers, FL. February 3-6, 2009. *Journal of Surgical Research* 2009; 151(2): 215.

3. **Shah S**, Xue H, Uray K, Laine G, Cox C Jr. iNOS inhibition increases intestinal contractile frequency in resuscitation induced intestinal edema. Shock Society, 32nd Annual Meeting on Shock, San Antonio, TX. June 6-8, 2009. *Shock* 2009; 31(7) Suppl 1: 41.

4. **Shah SK**, Fogle LN, Aroom KR, Gill BS, Uray KS, Laine GA, Stewart RH, Cox CS Jr. Mechanotransduction as a mechanistic explanation for edema induced intestinal dysfunction. 95th Annual Clinical Congress, American College of Surgeons, Chicago, IL. October 11-15, 2009. *Journal of the American College of Surgeons* 2009; 209(3S): S43.

5. Cox CS Jr, Baumgartner JE, Worth L, Harting MT, Ewing-Cobbs L, Gee A, Hasan K, **Shah S**, Walker P, Day M. Phase 1 clinical trial of autologous bone marrow mononuclear cells for pediatric severe traumatic

brain injury. 2009 Annual Meeting, Congress of Neurosurgical Surgeons, New Orleans, LA. October 24-29, 2009. *Neurosurgery* 2009; 65(2): 412.

6. **Shah SK**, Uray KS, Xue H, Velez N, Moore-Olufemi SD, Kots AY, Choi BK, Stewart RH, Laine GA, Cox CS Jr. Signal transduction cascades initiated by intestinal edema: the iNOS/NO pathway. The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3-5, 2010. *Journal of Surgical Research* 2010; 158(2): 295.

7. **Shah SK**, Jimenez F, Walker PA, Xue H, Aroom KR, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid primes naïve neutrophils in an animal model of abdominal compartment syndrome. The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3-5, 2010. *Journal of Surgical Research* 2010; 158(2): 293.

8. **Shah SK**, Jimenez F, Walker PA, Xue H, Uray KS, Aroom KR, Fischer UM, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. A novel physiologic model for the study of abdominal compartment syndrome (ACS). The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3-5, 2010. *Journal of Surgical Research* 2010; 158(2): 423.

9. Walker PA, Jimenez F, **Shah SK**, Huffsmith B, Cox CS Jr. Autologous mononuclear progenitor cell injection for traumatic brain injury (TBI): The effect of injury cavity volume on potential neuroprotection. The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3-5, 2010. *Journal of Surgical Research* 2010; 158(2): 378-9.

10. Walker PA, Wang YX, **Shah SK**, Jimenez F, Cox CS Jr, Hayes-Jordan A. Mesenchymal stem cell treatment reduces tumor growth and pulmonary metastasis in Ewing's sarcoma. The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3-5, 2010. *Journal of Surgical Research* 2010; 158(2): 400.

11. Uray K, **Shah S**, Cox C. Edema-induced alterations in the regulation of myosin light chain phosphorylation in intestinal smooth muscle. *Experimental Biology* 2010, Anaheim, CA. April 24-28, 2010. *FASEB Journal* 2010; 24: 1008.7.

12. Walker PA, **Shah SK**, Jimenez F, Pati S, Dash PK, Cox CS Jr. Autologous bone marrow mononuclear cell injection offers neuroprotection after traumatic brain injury (TBI) in a rodent model. International Society for Stem Cell Research 8th Annual Meeting, San Francisco, CA. June 16-19, 2010.

13. **Shah SK**, Moore-Olufemi SD, Uray KS, Jimenez F, Walker PA, Xue H, Stewart RH, Laine GA, Cox CS Jr. A novel murine model for the study of edema-induced intestinal contractile dysfunction. 2010 Joint International Meeting in Neurogastroenterology and Motility, Boston, MA. August 26-29, 2010. *Neurogastroenterology and Motility* 2010; 22(S1): 28.

14. Moore-Olufemi SD, **Shah SK**, Xue H, Jimenez F, Walker P, Cox CS Jr. A novel postnatal animal model to study gastroschisis-related gut dysfunction. 2010 Joint International Meeting in Neurogastroenterology and Motility, Boston, MA. August 26-29, 2010. *Neurogastroenterology and Motility* 2010; 22(S1): 88.

15. Uray KS, **Shah SK**, Cox CS Jr. PAK-mediated regulation of MYPT1 phosphorylation in edematous intestinal smooth muscle. 2010 Joint International Meeting in Neurogastroenterology and Motility, Boston, MA. August 26-29, 2010. *Neurogastroenterology and Motility* 2010; 22(S1): 28.

16. **Shah SK**, Cox CS Jr, Xue H, Jimenez F, Walker PA, Moore-Olufemi SD. Gastroschisis-related intestinal dysfunction: development and characterization of a novel postnatal rat model. 96th Annual Clinical Congress, American College of Surgeons, Washington DC. October 3-7, 2010. *Journal of the American College of Surgeons* 2010; 311(3S): S69.

17. Walker PA, Jimenez F, **Shah SK**, Gerber MH, Mays RW, Deans R, Pati S, Dash PK, Cox CS Jr. Intravenous multipotent adult progenitor cell therapy for traumatic brain injury: Preserving the blood brain barrier via an interaction with splenocytes. 96th Annual Clinical Congress, American College of Surgeons,

Washington DC. October 3-7, 2010. *Journal of the American College of Surgeons* 2010; 311(3S): S94.

18. **Shah SK**, Jimenez F, Walker PA, Xue H, Feeley TD, Uray KS, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid as a novel mechanism for neutrophil priming in a clinically relevant model of intra-abdominal sepsis. 96th Annual Clinical Congress, American College of Surgeons, Washington DC. October 3-7, 2010. *Journal of the American College of Surgeons* 2010; 311(3S): S43.

19. **Shah S**, Jimenez F, Walker P, Xue H, Uray K, Norbury K, Stewart R, Laine G, Cox C Jr. Evaluating the effects of immediate application of negative pressure therapy after decompression from abdominal compartment syndrome: a pre-clinical study. 40th Critical Care Congress, Society of Critical Care Medicine, San Diego, CA. January 15-19, 2011. *Critical Care Medicine* 2010; 38 (12 Supplement): 199.

20. **Shah S**, Jimenez F, Walker P, Xue H, Uray K, Norbury K, Stewart R, Laine G, Cox C Jr. Effect of early negative pressure therapy (NPT) on pro-inflammatory characteristics of peritoneal fluid (PF) and plasma in abdominal compartment syndrome (ACS). 40th Critical Care Congress, Society of Critical Care Medicine, San Diego, CA. January 15-19, 2011. *Critical Care Medicine* 2010; 38 (12 Supplement): 200.

21. **Shah SK**, Cox CS Jr, Xue H, Aroom KR, Walker PA, Gill BS, Jimenez F, Moore-Olufemi SD. Non-occlusive mesenteric hypertension: Elucidating the pathophysiology of gastroschisis-related intestinal dysfunction. The 6th Annual Academic Surgical Congress, Huntington Beach, CA. February 1-3, 2011. *Journal of Surgical Research* 2011; 165(2): 180.

22. Walker PA, Jimenez F, **Shah SK**, Xue H, Hamilton JA, Mays RW, Deans R, Pati S, Cox CS Jr. Intravenous multipotent adult progenitor cell therapy for traumatic brain injury: Modulation of the resident neuronal macrophage population. The 6th Annual Academic Surgical Congress, Huntington Beach, CA. February 1-3, 2011. *Journal of Surgical Research* 2011; 165(2): 206.

23. Norbury KC, **Shah SK**, Jimenez F, Walker PA, Uray KS, Cox CS Jr. Using flow cytometry to measure signaling by peripheral blood leukocytes through CD11b/CD18 receptors during sepsis in a porcine model. 31st Annual Meeting of the Surgical Infection Society, Palm Beach, FL. May 11-14, 2011. *Surgical Infections* 2011; 12 (Supplement 1): S68.

24. Cox CS, Walker PA, **Shah SK**, Jimenez F, Pati S, Dash PK, Mays PW, Deans R, Xue H, Bedi S. Microglial phenotype modulation after TBI via progenitor cell:splenocyte interactions. 2010 Annual Meeting of The Society of Leukocyte Biology and The International Endotoxin and Innate Immunity Society, Vancouver, BC, Canada. October 7-9, 2010.

25. Bedi S, Walker P, **Shah S**, Jimenez F, Smith P, Hamilton J, Mays R, Pati S, Dash P, Cox C. Multipotent adult progenitor cell therapy for traumatic brain injury: modulation of microglia. National Neurotrauma Symposium 2011, Ft. Lauderdale, FL. July 10-13, 2011. *Journal of Neurotrauma* 2011; 28(6): A110.

26. Letourneau PA, **Shah SK**, Jimenez F, Walker PA, Wade CE, Pati S, Holcomb JB, Cox CS Jr. Stored plasma is associated with enhanced priming of naïve neutrophils. The 7th Annual Academic Surgical Congress, Las Vegas, NV. February 14-16, 2012. *Journal of Surgical Research* 2012; 172(2): 327.

27. Hetz RA, Bedi SS, Walker PA, **Shah SK**, Jimenez F, Thomas CP, Smith P, Pati S, Dash P, Cox CS Jr. Autologous cellular therapy for traumatic brain injury: mechanism of action. 98th Annual Clinical Congress, American College of Surgeons, Chicago, IL. September 30-October 4, 2012. *Journal of the American College of Surgeons* 2012; 215(3): S53.

28. Bedi SS, Walker P, Shah S, Jimenez F, Thomas C, Smith P, Hetz R, Hamilton J, Mays RW, Cox CS. Multipotent adult progenitor cell therapy for traumatic brain injury: systemic modulation of microglia. Congress of Neurological Surgeons 2012 Annual Meeting, Chicago, IL. October 6-10, 2012. *Neurosurgery* 2012; 71(2): E544.

29. Moore-Olufemi SD, **Shah SK**, Hook-Dufresne D, Xue H, Cox CS Jr. Smooth muscle thickness

correlates with short gut parameters and decreased plasma amino acid levels in risk factors associated with gastroschisis-related intestinal dysfunction (GRID). 2014 British Association of Paediatric Surgeons Congress, Edinburgh, Scotland. July 22-25, 2014.

30. **Shah SK**, Walker PA, Mehta SS, Wilson EB, Patel MK, Gregoric ID, Nathan SS, Bajwa KS. The “sleeve of life”: First report of concurrent laparoscopic sleeve gastrectomy (LSG) and left ventricular assist device (LVAD) placement as a bridge to heart transplant for morbidly obese patients. Internal Federation for the Surgery of Obesity and Metabolic Disorders 2014 World Congress, Montreal, Canada, August 26-30, 2014. *Obesity Surgery* 2014; 24(8): 1277.

31. Walker PA, **Shah SK**, Agarwal AK, Wilson EB, Bajwa KS, Mehta SS. Unusual complications of retained adjustable gastric band (AGB) tubing. Internal Federation for the Surgery of Obesity and Metabolic Disorders 2014 World Congress, Montreal, Canada, August 26-30, 2014. *Obesity Surgery* 2014; 24(8): 1277.

32. Walker PA, **Shah SK**, Agarwal AK, Wilson EB, Snyder BE. Endoscopic removal of an eroded adjustable gastric band (AGB) in a pregnant patient: report of technique. Internal Federation for the Surgery of Obesity and Metabolic Disorders 2014 World Congress, Montreal, Canada, August 26-30, 2014. *Obesity Surgery* 2014; 24(8): 1179.

33. Liao GP, Hetz RA, Walker PA, **Shah SK**, Jimenez F, Kosmach S, Day MC, Lee DA, Worth LL, Cox CS. Autologous bone marrow mononuclear cells reduce therapeutic intensity for severe traumatic brain injury in children. Clinical Congress 2014, American College of Surgeons, Chicago, IL. October 26-30, 2014. *Journal of the American College of Surgeons* 2014; 219(3 Supplement): S136.

34. **Shah SK**, Walker PA, Levy SM, Mehta SS, Snyder BE, Wilson TD, Bajwa KS, Wilson EB. Totally robotic repair of a large paraesophageal hernia with Toupet fundoplication. 6th Annual Clinical Robotic Surgery Association Worldwide Congress, San Francisco, CA, Oct 23-25, 2014. (Video)

35. Loubser PG, Bajwa KS, **Shah SK**. Anesthetic considerations for laparoscopic sleeve gastrectomy in patients with end-stage heart failure. The Anesthesiology 2015 Annual Meeting, San Diego, CA, October 24-28, 2015.

36. Perez C, Santillan MR, Bajwa K, Mehta S, Snyder B, Wilson T, Wilson EB, **Shah SK**, Walker PA. Retrospective comparison of robotic versus laparoscopic ventral hernia repair: does robotics improve outcomes? Southwestern Surgical Congress 2016 Annual Meeting, Coronado, CA, April 3-6, 2016.

37. Primomo J, Kajese T, Davis G, Davis R, **Shah S**. Laparoscopic revision of vertical banded gastroplasty to Roux-e-Y gastric bypass. SAGES 2016, Boston, MA, March 16-19, 2016. *Surgical Endoscopy* 2016; 30: S2307. (Video)

38. Gregoric ID, Kumar S, Radovancevic R, Patel M, Akay MH, Patel JA, Nathan SS, Akkanti B, Rajapreyar I, **Shah SK**, Loyalka P, Bajwa KS, Kar B. Simultaneous laparoscopic sleeve gastrectomy in morbidly obese BTT patients undergoing left ventricular assist device implantation. ASAIO 62nd Annual Conference, San Francisco, CA, June 15-18, 2016.

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8. **Shah SK**, Walker PA, Fischer UM, Karanjawala BE, Khan SA. Bouveret syndrome. *Journal of Gastrointestinal Surgery* 2013; 17(9): 1720-1. **PMID 23775095**
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*Equal Contribution
32. Nathan SS*, Iranmanesh P*, Gregoric ID, Akay MH, Kumar S, Akkanti BH, Salas de Armas IA, Felinski MM, **Shah SK**, Bajwa KS, Kar B. Regression of severe heart failure after combined left ventricular assist device placement and sleeve gastrectomy. *ESC Heart Failure* 2021; 8(2): 1615-19. **PMID 33491335**
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BOOK CHAPTERS/MONOGRAPHS:

1. **Shah SK**, Allison ND, Tsao K, Walker PA. Evaluation of abdominal pain in children (monograph). BMJ Best Practice 2011; www.bestpractice.bmj.com.
2. **Shah SK**, Walker PA, Andrassy RJ. Chapter 72: Rhabdomyosarcoma. In: Holcomb GW, Murphy JP (eds) Pediatric Surgery, 5th edition, Elsevier, Philadelphia. 2010.
3. **Shah SK**, Jimenez F, Walker PA. Chapter 4: Neural stem cells – Endogenous repair of neurological injury. In: Cox CS Jr (ed) Progenitor Cell Therapy for Neurological Injury, 1st edition, Humana Press Inc, New York. 2011.
4. Walker PA, **Shah SK**, Baumgartner JE. Chapter 9: Current status of clinical trials using progenitor cells for neurological injury. In: Cox CS Jr (ed) Progenitor Cell Therapy for Neurological Injury, 1st edition, Humana Press Inc, New York. 2011.
5. **Shah SK**, Lally KP. Chapter 11: Hirschprung disease, colorectal anomalies, and pediatric colorectal conditions. In: Beck DE (ed) Handbook of Colorectal Surgery, 3rd edition, Informa Healthcare, New York. 2012.
6. **Shah SK**, Walker PA, Snyder BE, Wilson EB. Chapter 6: Essentials and future directions of bariatric surgery. In: Kroh M, Chalikonda S (eds) Essentials of Robotic Surgery, Springer Science + Business Media, New York. 2015.
7. Perez C, Walker PA, **Shah SK**. Chapter 36: Complications of morbid obesity surgery. In: Moore LJ, Todd SR (eds) Common Problems in Acute Care Surgery, 2nd edition, Springer Science + Business Media, New York, 2017.
8. **Shah SK**, Walker PA. Chapter 21: Gastric outlet obstruction. In: Moore LJ, Todd SR (eds) Common Problems in Acute Care Surgery, 2nd edition, Springer Science + Business Media, New York, 2017.
9. **Shah SK**, Thosani NC, Walker PA. Chapter 35: Management of complications of endoscopic therapy. In: Moore LJ, Todd SR (eds) Common Problems in Acute Care Surgery, 2nd edition, Springer Science + Business Media, New York, 2017.
10. Chandwani KD, Wilson EB, **Shah SK**, Kulkarni AD. Chapter 27: Conventional and aurvedic perspectives for nutrition, infection, and immunity. In: Calder PC, Kulkarni AD, eds. Nutrition, Immunity, and Infection, CRC Press, Taylor & Francis Group, Boca Raton, FL, 2018.
11. Harmouch M, Wilson EB, Walker PA, **Shah SK**. Utility of the robot in revisional paraesophageal hiatus hernia. In: Memon MA, ed. Hiatal Hernia Surgery – An Evidenced Based Approach, Springer Nature, The Netherlands, 2018.
12. Felinski M, Harmouch M, Wilson EB, **Shah SK**. Chapter 13: Weight recidivism after gastric bypass and endoscopic solutions. In: Chand B, ed. Endoscopy in Obesity: A Comprehensive Guide, Springer International Publishing, New York, 2018.
13. **Shah SK**, Wilson EB, Zundel N. Endoluminal surgery: Suturing. In: Asbun H, Pomp A, Jones D, Rosenthal R (eds) ACS Multimedia Atlas of Surgery: Bariatric Surgery Volume, CineMed, Woodbury, CT, 2019.
14. Cowling JC, Kannappan A, Wilson EB, Kim KC, **Shah SK**. Robotic surgery. In: Lutfi R, Palermo M, Cadiere GB, eds. Global Bariatric Surgery; The Art of Weight Loss Across the Borders, Springer International Publishing, New York, 2018.

15. Perez C, Thosani NC, Walker PA, **Shah SK**. Chapter 31: Bleeding duodenal ulcers. In: Dimick J, Upchurch G, Sonnenday C, Kao L, eds. *Clinical Scenarios in Surgery: Decision Making and Operative Technique*, 2nd edition, Lippincott Williams & Wilkins, Philadelphia, 2018.
16. Felinski M, Purtell A, Wilson EB, Shah SK. Chapter 42: Robotic Conversion and Revisional Surgery. In: Reavis K, Barrett A, Kroh M, eds. *The SAGES Manual of Bariatric Surgery*, 2nd edition. Springer International Publishing, New York, 2018.
17. Felinski M, Harmouch M, Wilson EB, **Shah SK**. Chapter 9: Gastric Band Erosion. In: Camacho D, Zundel N, eds. *Complications in Bariatric Surgery*. Springer International Publishing, New York, 2018.
18. Walker PA, **Shah SK**. Robotic Parastomal Hernias. In: Tsuda S, Kudsi Y, eds. *Robotic-Assisted Minimally Invasive Surgery: A Comprehensive Textbook*. Springer International Publishing, New York, 2019.
19. **Shah SK**, Wilson EB, Walker PA. Challenging Hernias: Robotic Suprapubic Hernias. In: Tsuda S, Kudsi Y, eds. *Robotic-Assisted Minimally Invasive Surgery*: Springer International Publishing, New York, 2019.
20. Felinski MM, Harmouch M, Bajwa KS, Wilson EB, **Shah SK**. Management of LAGB Complications: Reflux, Band Erosion, Dilated esophagus. In: Thompson CC, ed. *Bariatric Endoscopy*, 2nd ed. Springer Science+Business Media, Media, PA. 2017. (In press)
21. **Shah SK**, Liang MK. Laparoscopic ventral hernia repair. In: Post TW (ed) *UpToDate*, Waltham, MA. 2018.
22. **Shah SK**, Liang MK. Spigelian hernia. In: Post TW (ed) *UpToDate*, Waltham, MA. 2018.
23. Scerbo MH, Felinski MM, Bajwa KS, Wilson EB, **Shah SK**. Endoscopic primary bariatric procedures. In: Nguyen NT, et al., eds. *ASMBS Textbook of Bariatric Surgery*, 2nd edition. Springer Nature, Switzerland, 2020.
24. Elliott E, Hall JJ, Wilson EB, **Shah SK**, Felinski MM. Adoption of robotic technology in surgical practice. In: Leblanc KA, ed. *Robotic Assisted Hernia Repair – Current Practice*. Springer International Publishing, New York. 2019.
25. Cowling JC, **Shah SK**, Wilson EB, Felinski MM. Endoscopic therapies for GERD. In: Zundel N, Melvin WS, Patti MG, Camacho D, eds. *Benign Esophageal Disease: Modern Surgical Approaches and Techniques*. Springer Nature, Switzerland. 2021.
26. Scerbo MH, Felinski M, Bajwa KS, **Shah SK**, Wilson EB. Robotic gastric bypass as an antireflux procedure. In: Gharagozooloo F, Patel VR, Guilianotti PC, Poston RS, Gruessner R, Meyer M, eds. *Robotic Surgery*, 2nd ed. Springer Nature, Switzerland. 2021.
27. **Shah SK**, Felinski MM, Wilson TD, Bajwa KS, Wilson EW. Next generation surgical robots: In Atallah SB, ed. *Digital Surgery*. Springer Nature, Switzerland, 2021.

POSTER PRESENTATIONS:

LOCAL/REGIONAL:

1. **Shah SK**, Gecys GT. Physician evaluation of decreased bone density in patients at risk due to glucocorticoid therapy: A retrospective chart review. Research Day, UMDNJ-SOM, Stratford, NJ. March 18th, 2004.
2. **Shah SK**, Gecys GT. Physician evaluation of decreased bone density in patients at risk due to glucocorticoid therapy: A retrospective chart review. Atlantic Regional Osteopathic Convention, New Jersey

Association of Osteopathic Physicians and Surgeons, Atlantic City, NJ. March 31st – April 2nd, 2004

3. **Shah SK**, Robinson MJ. Eosinophils in the biopsy of patients with inflammatory bowel disease as a marker of disease activity. Research Day, UMDNJ-SOM, Stratford, NJ. March 16th, 2006.
4. Fogle LN, **Shah SK**, Cox CS Jr. Investigation of mechanical stress as a stimulus of intestinal dysfunction in gut edema. Research Forum, University of Texas Medical School at Houston, Houston, TX. October, 23, 2008.
5. **Shah SK**, Xue H, Uray KS, Laine GA, Cox CS Jr. Sodium hydrogen exchanger inhibition improves ileus induced by intestinal edema. Texas Medical Center Digestive Diseases Center Inaugural "Frontiers in Digestive Diseases" Symposium: Inflammation and GI Research, Houston, TX. February 12, 2009.
6. **Shah SK**, Xue H, Uray KS, Laine GA, Cox CS Jr. iNOS inhibition increases intestinal contractile frequency in resuscitation induced intestinal edema. Texas Medical Center Digestive Diseases Center Inaugural "Frontiers in Digestive Diseases" Symposium: Inflammation and GI Research, Houston, TX. February 12, 2009.
7. Uray KS, Hummel JA, **Shah S**, Cox CS Jr. The effects of increasing cyclical stretch on human intestinal smooth muscle cell signaling. Texas Medical Center Digestive Diseases Center Inaugural "Frontiers in Digestive Diseases" Symposium: Inflammation and GI Research, Houston, TX. Feb. 12, 2009.
8. Velez N, **Shah SK**, Gill BS, Cox CS Jr. The role of iNOS in intestinal edema. The University of Texas MD Anderson Cancer Center STEP-UP 2009 Clinical and Research Internship, Houston, TX. July 31, 2009.
9. Holton NF, Felinski MM, Mehta SS, Bajwa KS, Snyder BE, Wilson TD, Walker PA, Chandwani KD, Klein CL, Rivera AR, Wilson EB, **Shah SK**. Safety of robotic assisted laparoscopic recurrent paraesophageal hernia repair: Insights from a large single institution experience. Research Forum, McGovern Medical School, UT Health, Houston, TX. November 9, 2017.
10. Sowards KJ, Bajwa KS, Felinski MM, Nathan S, Gregoric ID, Patel MK, Akay MH, Patel J, Rajagopal K, Thakur N, Salas De Armas I, Jumean M, Akkanti B, Hussain R, Kumar S, Kar B, **Shah SK**. An evolving single institution experience of LVAD plus sleeve gastrectomy in morbidly obese patients with heart failure. UT Health Team Approach to Obesity Prevention and Treatment, Houston, TX. April 20, 2018. (Winner, 1st place, Poster Session)
11. Nguyen T, Snyder BE, Bajwa KS, Mehta SS, Wilson TD, Walker PA, Felinski MM, Wilson EB, **Shah SK**. Outcomes of robotic revisional as compared to primary roux-en-y gastric bypass. Research Forum, McGovern Medical School, UT Health, Houston, TX. October 30, 2018.

NATIONAL:

1. Allison N, Anderson CM, **Shah SK**, Lally KP, Hayes-Jordan A, Tsao K, Andrassy RJ, Cox CS Jr. Operative treatment of truncal vascular injuries in children: A 20 year experience. Section on Surgery Scientific Program, American Academy of Pediatrics, Boston, MA. October 11th, 2008.
2. Uray KS, Hummel JA, **Shah S**, Cox CS Jr. The effects of increasing cyclical stretch on human intestinal smooth muscle cell signaling. Keystone Symposia, Mechanotransduction in Physiology and Disease, Taos, NM. January 18-23, 2009.
3. **Shah S**, Xue H, Uray K, Laine G, Cox C Jr. iNOS inhibition increases intestinal contractile frequency in resuscitation induced intestinal edema. Shock Society, 32nd Annual Meeting on Shock, San Antonio, TX. June 6-8, 2009.
4. Uray K, **Shah S**, Cox C. Edema-induced alterations in the regulation of myosin light chain phosphorylation in intestinal smooth muscle. Experimental Biology 2010, Anaheim, CA. April 27, 2010.

5. Walker PA, **Shah SK**, Jimenez F, Pati S, Dash PK, Cox CS Jr. Autologous bone marrow mononuclear cell injection offers neuroprotection after traumatic brain injury (TBI) in a rodent model. International Society for Stem Cell Research 8th Annual Meeting, San Francisco, CA. June 17, 2010.
6. **Shah SK**, Moore-Olufemi SD, Uray KS, Jimenez F, Walker PA, Xue H, Stewart RH, Laine GA, Cox CS Jr. A novel murine model for the study of edema-induced intestinal contractile dysfunction. 2010 Joint International Meeting in Neurogastroenterology and Motility, Boston, MA. August 27-28, 2010.
7. Moore-Olufemi SD, **Shah SK**, Xue H, Jimenez F, Walker P, Cox CS Jr. A novel postnatal animal model to study gastroschisis-related gut dysfunction. 2010 Joint International Meeting in Neurogastroenterology and Motility, Boston, MA. August 27-28, 2010.
8. Uray KS, **Shah SK**, Cox CS Jr. PAK-mediated regulation of MYPT1 phosphorylation in edematous intestinal smooth muscle. 2010 Joint International Meeting in Neurogastroenterology and Motility, Boston, MA. August 27-28, 2010.
9. **Shah S**, Jimenez F, Walker P, Xue H, Uray K, Norbury K, Stewart R, Laine G, Cox C Jr. Evaluating the effects of immediate application of negative pressure therapy after decompression from abdominal compartment syndrome: a pre-clinical study. 40th Critical Care Congress, Society of Critical Care Medicine, San Diego, CA. January 15-19, 2011.
10. **Shah S**, Jimenez F, Walker P, Xue H, Uray K, Norbury K, Stewart R, Laine G, Cox C Jr. Effect of early negative pressure therapy (NPT) on pro-inflammatory characteristics of peritoneal fluid (PF) and plasma in abdominal compartment syndrome (ACS). 40th Critical Care Congress, Society of Critical Care Medicine, San Diego, CA. January 15-19, 2011.
11. Norbury KC, **Shah SK**, Jimenez F, Walker PA, Uray KS, Cox CS Jr. Using flow cytometry to measure signaling by peripheral blood leukocytes through CD11b/CD18 receptors during sepsis in a porcine model. 31st Annual Meeting of the Surgical Infection Society, Palm Beach, FL. May 11-14, 2011.
12. Bedi S, Walker P, **Shah S**, Jimenez F, Smith P, Hamilton J, Mays R, Pati S, Dash P, Cox C. Multipotent adult progenitor cell therapy for traumatic brain injury: modulation of microglia. National Neurotrauma Symposium 2011, Ft. Lauderdale, FL. July 11, 2011.
13. Moore-Olufemi SD, **Shah SK**, Hook-Dufresne D, Xue H, Cox CS Jr. Smooth muscle thickness correlates with short gut parameters and decreased plasma amino acid levels in risk factors associated with gastroschisis-related intestinal dysfunction (GRID). Network of Minority Health Research Investigators 12th Annual Workshop, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD. April 14-15, 2014.
14. Walker PA, **Shah SK**, Agarwal AK, Wilson EB, Bajwa KS, Mehta SS. Unusual complications of retained adjustable gastric band (AGB) tubing. Internal Federation for the Surgery of Obesity and Metabolic Disorders 2014 World Congress, Montreal, Canada, August 26-30, 2014.
15. Walker PA, **Shah SK**, Agarwal AK, Wilson EB, Snyder BE. Endoscopic removal of an eroded adjustable gastric band (AGB) in a pregnant patient: report of technique. International Federation for the Surgery of Obesity and Metabolic Disorders 2014 World Congress, Montreal, Canada, August 26-30, 2014.
16. Bajwa KS, Walker PA, **Shah SK**, Wilson EB, Snyder BE, Wilson TD, Mehta SS. Utility of PINPOINT fluorescence cholangiography in an era of high definition laparoscopy and robotic surgery. iSPIES Summit for Perfusion Imaging and Excellence in Surgery, Raleigh, North Carolina, November 21-23, 2014.
17. Loubser PG, Bajwa KS, **Shah SK**. Anesthetic considerations for laparoscopic sleeve gastrectomy in patients with end-stage heart failure. The Anesthesiology 2015 Annual Meeting, San Diego, CA, October 24, 2015.

18. Kannappan A, Walker PA, Primomo JA, Kar B, Loyolka P, Gregoric I, Nathan S, Husain R, Akkanti B, Kajese T, Mehta S, Bajwa KS, **Shah SK**. Veno-venous extra corporeal membrane oxygenation as rescue therapy for severe aspiration pneumonitis after bariatric surgery. SAGES 2017, Houston, TX, March 22-25, 2017.
19. Chandwani K, **Shah SK**, Kulkarni AD, Lai D, Wilson EB. Characteristics of women eligible for bariatric surgery: A study of 2013-2014 NHANES data. SAGES 2017, Houston, TX, March 22-25, 2017.
20. Lankarani A, Costamagna G, Boskoski I, Nieto J, Lehman G, Selzer D, Neuhaus H, Benya T, **Shah S**, Mehta S, Haber GB, Kiesslich R, Rey JW, Starpoli A, Abu Dayyeh BK, Stavropoulos SN, Caca K, Chang KJ, Fanti L, Testoni PA. Interim results from a multi-center post-marketing surveillance registry study for endoscopic anterior fundoplication. Digestive Disease Week, Chicago, IL, May 6-9, 2017.
21. Chandwani, KD, **Shah SK**, Gupta ID, Wilson TD, Snyder BE, Bajwa KS, Mehta SS, Wolin-Riklin C, Klein C, Kulkarni AD, Wilson EB. Overweight/obesity-related knowledge, beliefs, and practice among physicians in India. Obesity Week 2017, Washington, DC. November 2, 2017.
22. Walker P, Hall J, Bajwa K, Mehta S, Wilson T, Snyder B, Rivera A, Klein C, **Shah S**, Wilson E. Trocar site closure with a novel anchor based (Neoclose®) system versus standard suture closer: Preliminary results from a prospective randomized controlled trial. 16th World Congress of Endoscopy Surgery, April 11-14, 2018, Seattle, WA.
23. Lankarani A, Costamagna G, Boskoski I, Nieto J, Lehman GA, Kessler WR, Selzer DJ, Neuhaus H, Benya T, Mehta S, **Shah S**, Rey J, Haber GB, Kiesslich R, Starpoli AA, Abu Dayyeh BK, Stavropoulos SS, Caca K, Chang KJ, Fanti L, Testoni PA. Updated Results from an International Multi-Center Registry Study for Endoscopic Anterior Fundoplication. Digestive Disease Week, Washington DC, June 3, 2018.
24. Kumar S, Nathan S, Jumean M, Akkanti B, Hussain R, **Shah S**, Bajwa K, Mehta S, Akay M, Patel M, Salas de Armas I, Rajogopal K, Rajapreyer I, Radovancevic R, Loyalka P, Kar B, Gregoric I. Bariatric surgery in advanced heart failure patients provides a bridge to definitive therapy. 67th Annual Scientific Session & Expo, American College of Cardiology, March 12, 2018, Orlando, FL.
25. Gregoric ID, Radovancevic R, Patel MK, Jezovnik MK, Nathan SS, Akkanti BH, Akay MH, Dressel J, Rodgers B, Kumar S, Patel JA, **Shah SK**, Bajwa KS, Kar B. Laparoscopic sleeve gastrectomy in morbidly obese patients undergoing left ventricular assist device implantation. 38th Annual Meeting & Scientific Sessions, International Society for Heart and Lung Transplantation, April 11, 2018, Nice, France.
26. Cattano D, Courtney S, Wilson E, **Shah K**. Preoperative evaluation of thromboelastography in bariatric surgery. Anesthesiology 2018, San Francisco, CA, October 14, 2018.
27. Al Sannaa G, Miller T, Kling E, Manning JT, **Shah S**, Ayala AG, Deavers M. Primary cutaneous histiocytic sarcoma: The eye sees what the mind knows. The American Society of Dermatopathology 55th Annual Meeting, Chicago, IL, November 8-11, 2018.
28. Olavarria OA, Bernardi K, Wilson TD, **Shah S**, Wray CJ, Ko TC, Kao LS, Liang MK. Safety and feasibility of robotic surgery in a county hospital. DDW 2019, San Diego, CA, May 20, 2019.
29. Cattano D, Zhang X, Courtney S, **Shah S**. Preoperative evaluation of thromboelastography in bariatric surgery. 2019 Annual Meeting of the American Society of Anesthesiologists, October 20, 2019, Orlando, FL. (eAbstract presentation)
30. Social Media In Surgery and Medicine Study Group (Bernardi K, Shah P, Askenasy EP, Balentine C, Crabbe MM, Cerame MA, Harvin JA, Huang L, Millas SG, Molt P, Saunders TE, **Shah SK**, Schwartz J, Ko TC, Hughes TG, Liang MK). Is the American College of Surgeons online communities a safe and effective venue to ask for surgical advice? 126th Scientific Session, Western Surgical Association, Nov 5, 2018, San Jose de Cabo, Mexico

31. Cattano D, Zhang X, Courtney S, **Shah SK**. Morbid obesity and thromboelastography: assessing coagulation profiles prior (to) bariatric surgery. American Society of Anesthesiologists Annual Meeting 2020, October 3, 2020, Washington DC. (Virtual poster)

ORAL PRESENTATIONS:

LOCAL/REGIONAL:

1. **Shah SK**, Gecys GT. Physician evaluation of decreased bone density in patients at risk due to glucocorticoid therapy: A retrospective chart review. Atlantic Regional Osteopathic Convention, Student Session, New Jersey Association of Osteopathic Physicians and Surgeons, Atlantic City, NJ. April 2, 2004.
2. **Shah SK**. Endovascular repair of abdominal aortic aneurysms. Grand Rounds, Department of Surgery, University of Texas Medical School at Houston, Houston, TX. February 28, 2008.
3. **Shah SK**. A new paradigm for understanding edema induced intestinal dysfunction: Mechanotransduction as a mechanistic explanation. Joint Regenerative Center Meeting, Departments of Pediatric Surgery, Neurosurgery, and Internal Medicine-Cardiology, University of Texas Medical School at Houston, Houston, TX. Feb 2, 2009.
4. **Shah SK**, Fogle LN, Aroom KR, Gill BS, Uray KS, Laine GA, Stewart RH, Cox CS Jr. Mechanotransduction as a mechanistic explanation for edema induced intestinal dysfunction. The South Texas Chapter, American College of Surgeons, 2009 Annual Meeting, Houston, TX. February 21, 2009.
5. **Shah SK**, Jimenez F, Walker PA, Xue H, Fischer UM, Aroom KR, Uray KS, Laine GA, Stewart RH, Cox CS Jr. A novel physiologic model for the study of abdominal compartment syndrome. Michael E. DeBakey Institute for Comparative Cardiovascular Science and Biomedical Devices, Texas A&M University, College Station, TX. February 23, 2009.
6. **Shah SK**, Fogle LN, Aroom KR, Gill BS, Uray KS, Laine GA, Stewart RH, Cox CS Jr. Mechanotransduction as a mechanistic explanation for edema induced intestinal dysfunction. Michael E. DeBakey Institute for Comparative Cardiovascular Science and Biomedical Devices, Texas A&M University, College Station, TX. Feb 23, 2009.
7. **Shah SK**, Jimenez F, Walker PA, Xue H, Aroom KR, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid induces priming of naïve neutrophils in an animal model of abdominal compartment syndrome. 2010 Region VI Resident Trauma Paper Competition, Dallas, TX. November 7, 2009.
8. **Shah SK**, Jimenez F, Walker PA, Xue H, Aroom KR, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid (PF) from an animal model of abdominal compartment syndrome (ACS) induces priming of naïve polymorphonuclear leukocytes (PMNs). The South Texas Chapter, American College of Surgeons, 2010 Annual Meeting, Austin, TX. February 26, 2010.
9. **Shah SK**. A novel mechanism of neutrophil priming in clinically relevant models of intra-abdominal trauma. Joint Regenerative Center Meeting, Departments of Pediatric Surgery, Neurosurgery, and Internal Medicine-Cardiology, University of Texas Medical School at Houston, Houston, TX. March 1, 2010.
10. **Shah SK**. Modulating the inflammatory response by choice of temporary abdominal coverage: Evolution of a hypothesis. Grand Rounds, Department of Surgery, University of Texas Medical School at Houston, Houston, TX. May 6, 2010.
11. **Shah SK**. Hydrostatic intestinal edema induced signaling pathways: potential role of mechanical forces. 1st Annual Resident Research Competition, Department of Surgery, University of Texas Medical School at Houston, Houston, TX. May 27, 2010.

12. **Shah SK**. Evaluating biological behavior of peritoneal fluid in large animal models of trauma. Michael E. DeBakey Institute for Comparative Cardiovascular Science and Biomedical Devices, Texas A&M University, Houston, TX. June 1, 2010.
13. **Shah SK**, Cox CS Jr, Xue H, Aroom KR, Walker PA, Gill BS, Jimenez F, Moore-Olufemi SD. Non-occlusive mesenteric hypertension: Elucidating the pathophysiology of gastroschisis-related intestinal dysfunction. South Texas Chapter, American College of Surgeons, Houston, TX. February 25, 2011.
14. **Shah SK**. Adult stem cell therapy for traumatic brain injury: from bench to bedside. Neurosurgery-Trauma Combined Conference, Departments of Surgery and Neurosurgery, University of Texas Medical School at Houston, Houston, TX. August 17, 2011.
15. **Shah SK**. Blunt traumatic aortic injury. Grand Rounds, Department of Cardiothoracic and Vascular Surgery, University of Texas Medical School at Houston, Houston, TX. September 23, 2011.
16. **Shah SK**. First, do no harm: Selected issues in surgical palliative care. Grand Rounds, Department of Surgery, University of Texas Medical School at Houston, Houston, TX. November 15, 2012.
17. **Shah SK**. Evaluating the safety of negative pressure therapy in abdominal compartment syndrome. The 1st Annual Frank G. Moody, MD Lecture Series, Department of Surgery, University of Texas Medical School at Houston, Houston, TX. May 2, 2013.
18. **Shah SK**. Minimally invasive emergency general surgery. Grand Rounds, Department of Surgery, University of Texas Medical School at Houston, Houston, TX. September 18, 2014.
19. **Shah SK**. Endoscopic management of GERD. Frontiers in Gastrointestinal and Liver Disease 2017, Houston, TX. February 11, 2017.
20. **Shah SK**. Laparoscopy in emergency/acute care surgery. Grand Rounds, Department of Surgery, McGovern Medical School at UT Health, Houston, TX. December 7, 2017.
21. **Shah SK**. Advances in robotic bariatric procedures. Texas Association of Bariatric Surgery 2018 Annual Meeting, Austin, TX. February 10, 2018.
22. **Shah SK**. Advances in hernia mesh technology: Gore® Synecor biomaterial and Gore® Bio-A® tissue reinforcement. Evening of Clinical Discussion, Houston, TX. June 28, 2018.
23. **Shah SK**. Prehabilitation and patient education. 2018 Hernia Symposium – Multidisciplinary Management of Complex Hernias. Baylor College of Medicine, Houston, TX. September 15, 2018.
24. **Shah SK**. Minimally invasive surgery for obesity. 3rd Annual Gastroenterology and Hepatology Symposium Frontiers in Gastrointestinal and Liver Disease 2019, Houston, TX. February 9, 2019.
25. **Shah SK**. Pushing the limits of minimally invasive surgery in emergency/acute care gastrointestinal surgery. Grand Rounds, Department of Surgery, McGovern Medical School at UT Health, Houston, TX. October 22, 2020.

NATIONAL/INTERNATIONAL:

1. **Shah SK**, Fogle LN, Aroom KR, Gill BS, Uray KS, Laine GA, Stewart RH, Cox CS Jr. Mechanotransduction as a mechanistic explanation for edema induced intestinal dysfunction. 95th Annual Clinical Congress, American College of Surgeons, Chicago, IL. October 13, 2009.
2. **Shah SK**, Uray KS, Xue H, Velez N, Moore-Olufemi SD, Kots AY, Choi BK, Stewart RH, Laine GA, Cox CS Jr. Signal transduction cascades initiated by intestinal edema: the iNOS/NO pathway. The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3, 2010.

3. **Shah SK**, Jimenez F, Walker PA, Xue H, Aroom KR, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid primes naïve neutrophils in an animal model of abdominal compartment syndrome. The 5th Annual Academic Surgical Congress, San Antonio, TX. February 3, 2010.
4. **Shah SK**, Jimenez F, Walker PA, Xue H, Uray KS, Aroom KR, Fischer UM, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. A novel physiologic model for the study of abdominal compartment syndrome (ACS). The 5th Annual Academic Surgical Congress, San Antonio, TX. February 5, 2010.
5. **Shah SK**, Jimenez F, Walker PA, Xue H, Aroom KR, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid primes naïve neutrophils in an animal model of abdominal compartment syndrome. 33rd Annual Residents Trauma Papers Competition, 88th Annual Meeting, Committee on Trauma, American College of Surgeons, Las Vegas, NV. March 10th, 2010.
6. **Shah SK**, Cox CS Jr, Xue H, Jimenez F, Walker PA, Moore-Olufemi SD. Gastroschisis-related intestinal dysfunction: development and characterization of a novel postnatal rat model. 96th Annual Clinical Congress, American College of Surgeons, Washington DC. October 4, 2010.
7. **Shah SK**, Jimenez F, Walker PA, Xue H, Feeley TD, Uray KS, Norbury KC, Stewart RH, Laine GA, Cox CS Jr. Peritoneal fluid as a novel mechanism for neutrophil priming in a clinically relevant model of intra-abdominal sepsis. 96th Annual Clinical Congress, American College of Surgeons, Washington DC. October 5, 2010.
8. **Shah SK**, Cox CS Jr, Xue H, Aroom KR, Walker PA, Gill BS, Jimenez F, Moore-Olufemi SD. Non-occlusive mesenteric hypertension: Elucidating the pathophysiology of gastroschisis-related intestinal dysfunction. The 6th Annual Academic Surgical Congress, Huntington Beach, CA. February 2, 2011.
9. **Shah SK**, Walker PA, Mehta SS, Wilson EB, Patel MK, Gregoric ID, Nathan SS, Bajwa KS. The “sleeve of life”: First report of concurrent laparoscopic sleeve gastrectomy (LSG) and left ventricular assist device (LVAD) placement as a bridge to heart transplant for morbidly obese patients. International Federation for the Surgery of Obesity and Metabolic Disorders 2014 World Congress, Montreal, Canada. August 29, 2014.
10. **Shah SK**. Transoral incisionless fundoplication. 10th International NOSCART Summit Advances in NOTES and Endoluminal Surgery, Downers Grove, IL. July 10, 2015.
11. **Shah SK**. Preoperative preparation for incisional hernia repair. Surgical Disruptive Technology Summit, Houston, TX. March 12, 2016.
12. **Shah SK**. Endolumenal reflux: Transoral stapled fundoplasty. Surgical Disruptive Technology Summit, Houston, TX. March 12, 2016.
13. **Shah SK**. Managing loss of abdominal domain: Botox, pneumoperitoneum, and sequential repair. Surgical Disruptive Technology Summit, Houston, TX. March 19, 2017.
14. **Shah SK**. Elective use of stents in bariatric surgery and for primary weight loss. American Society of Metabolic and Bariatric Surgery Weekend, San Diego, CA. June 8, 2017.
15. **Shah SK**. Transoral fundoplasty for GERD: Latest evidence, efficacy, and novel uses. 2018 Surgical Disruptive Technology Summit, Houston, TX, March 4, 2018.
16. **Shah SK**. Robotic incisional hernia repair: The new gold standard? 2018 Surgical Disruptive Technology Summit, Houston, TX, March 5, 2018.
17. **Shah SK**. Modern meshes: Navigating the landscape. 2018 Surgical Disruptive Technology Summit, Houston, TX, March 5, 2018.

18. **Shah SK.** Inflammatory bowel disease: Is bariatric surgery an option? Preoperative workup, surgery choice and preoperative management, American Society for Bariatric and Metabolic Surgery, Obesity Week 2018, Nashville, TN. November 12, 2018.

19. **Shah SK.** Robotic vs laparoscopic session: Indications for one, both, or none now and in the future reflux surgery. 2019 Surgical Disruptive Technology Summit, Houston, TX. March 3, 2019.

20. **Shah SK.** Endoscopic gastric band explant. Bariatric Revisions for Weight Regain and Complications, Society of American Gastrointestinal and Endoscopic Surgeons 2019, Baltimore, MD, April 4, 2019.