

Curriculum vitae



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Education

Year	Degree	Field of Study	Institution
1982	B.A.	Biology	Texas A&M University College Station, TX
1987	M.D.	Medicine	Texas Tech University Health Science Center, Lubbock, TX
2018	M.Sc.	Healthcare Management and Leadership for Physician Executives	University of Texas Dallas, TX

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline	Institution
1987-88	Internship	Internal Medicine	University of Texas Medical Branch, Galveston, TX
1989-1992	Residency	Anesthesiology Subspecialty Track: Cardiovascular Anesthesiology	Virginia Commonwealth University/Medical College of Virginia, Richmond, VA
1992-1995	Research Associate	Hematology/Vascular Biology	Walter Reed Army Institute of Research, Washington, DC.
2013-2014	Patient Safety Officer	Advanced Training Program in Healthcare Delivery	Intermountain Institute of Healthcare Delivery & Research, Salt Lake City, UT

Current Licensure and Certification

Licensure

Texas
Commonwealth of Virginia

1988-present
1989-present

Board and Other Certification

American Board of Anesthesiology

1993-present

Diplomate, National Board of Echocardiography

2005-present

Basic/Advanced Life Support (BLS/ACLS) – Provider

1987-present

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
1978-81	Reserve Officer Training Corps Scholarship	United States Armed Forces
1979-1981	Ross Volunteer Company; Governor's Honor Guard, State of Texas	Corps of Cadets, Texas A&M University
1982	Distinguished Military Graduate	United States Armed Forces
1986	Medical Student Research Award	Texas Affiliate, American Heart Association (AHA)
1995	Meritorious Service Medal	United States Army
2002	Fellow	American Heart Association (FAHA)
2008	Fellow	American Society of Echocardiography (FASE)
2010-2019	S.T. "Buddy" Harris Distinguished Chair in Cardiac Anesthesiology	Department of Anesthesiology & Pain Management, UTSW
2014	Fellow, Clinician Safety & Effectiveness	University of Texas Healthcare System
2014	Chairman's Recognition Award	Department of Anesthesiology & Pain Management, UTSW
2016	Chairman's Research Award	Department of Anesthesiology & Pain Management, UTSW
2021	Chairman's Recognition Award	Department of Anesthesiology & Pain Management, UTSW

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
1991-1992	Chief Resident	Anesthesiology	Virginia Commonwealth University/Medical College of Virginia, Richmond, VA
1993-1995	Clinical Assistant Professor	Anesthesiology	Uniformed Services University of the Health Sciences, Bethesda, MD
1995-2002	Assistant Professor Clinical Scholar Track	Department of Anesthesiology & Pain Management	University of Texas Southwestern Medical Center, Dallas, TX
2002-2009	Associate Professor Clinician Educator Track	Department of Anesthesiology & Pain Management	University of Texas Southwestern Medical Center, Dallas, TX

2009-present	Professor Clinician Educator Track	Department of Anesthesiology & Pain Management	University of Texas Southwestern Medical Center, Dallas, TX
2021-present	Graduate Faculty	College of Arts and Sciences	Embry Riddle Aeronautical University, Daytona Beach, FL

Appointments at Hospitals/Affiliated Institutions

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
1988-1989	Staff Physician	General Medicine	Fort Devens, MA U.S. Army
1992-1995	Staff Anesthesiologist	Anesthesia and Operative Services	Walter Reed Army Medical Center, Washington, DC
1995-2019	Staff Anesthesiologist	Anesthesiology & Pain Management Service	Veterans Affairs North Texas Healthcare System, Dallas, TX
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2002-present	Faculty Anesthesiologist	Department of Anesthesiology & Pain Management/ University Hospital	University of Texas Southwestern Medical Center Dallas, TX
2002-present	Faculty Anesthesiologist	Department of Anesthesiology & Pain Management/ Parkland Hospital	University of Texas Southwestern Medical Center Dallas, TX

Military Service

Year(s)	Position Title	Institution
1982-1996	Officer, U.S. Army Reserve Corps	United States Armed Forces
1988-1989	Active Duty, Medical Corps	Fort Devens, MA
1992-1995	Active Duty, Medical Corps	Walter Reed Army Medical Ctr, Washington, DC
1996	Honorable Discharge (Major)	United States Armed Forces

Major Administrative/Leadership Positions

Year(s)	Position Title	Institution
1980-1981	Operations Officer (G3)	Corps Staff, Corps of Cadets, Texas A&M University, College Station, TX
1991-1992	Chief Resident in Anesthesiology	Virginia Commonwealth University/Medical College of Virginia, Richmond, VA
1995-2002	(Founding) Chief, Anesthesiology & Pain Management Service	Veterans Affairs North Texas Healthcare System, Dallas, TX

1996-2002	Director, Perioperative Cardiovascular Research Group	Veterans Affairs North Texas Healthcare System, Dallas, TX
2007-2012	Director, Cardiothoracic Anesthesiology Research	University of Texas Southwestern Medical Center, Dallas, TX
2007-2015	(Founding) Program Director, Adult Cardiothoracic Anesthesiology Fellowship	University of Texas Southwestern Medical Center, Dallas, TX
2003-2018	(Founding) Director, Intraoperative Echocardiography Program	University of Texas Southwestern Medical Center, Dallas, TX
2010-present	Health System Quality Officer	Office of the Vice President for Health System Affairs Chief Quality Officer (CQO), UTSW
2016-present	(Founding) Chair, Perioperative Multi-Center Handoff Collaborative	Special Interest Group of the Anesthesia Patient Safety Foundation (APSF)
2018-present	Director, Quality Enhancement Plan (QEP) – <i>Team FIRST</i>	Office of Medical Education, UTSW

Selected Committee Service (*Member, unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
<u>UTSW</u>		
1995-2002	Dean's Committee	University of Texas Southwestern Medical Center, Dallas, TX
1995-2002	Executive Committee	Department of Anesthesiology & Pain Management, UTSW
1996-1998 2007-2014	Clinical Competency Committee	Department of Anesthesiology & Pain Management, UTSW
1999-2003	Residency Selection Committee	Department of Anesthesiology & Pain Management, UTSW
2007-2014	Education Committee	Department of Anesthesiology & Pain Management, UTSW
2007-2018	Chairman's Advisory Board	Department of Anesthesiology & Pain Management, UTSW
2010-2017	Physician Lead, Cardiovascular Anesthesiology, Nursing and Surgery Joint Conference Series	Cardiovascular Surgery Service Line, UTSW
2014-2020	Quality Improvement Committee	Department of Anesthesiology & Pain Management, UTSW
2018-2023	Simulation-Based Quality Improvement & Research Committee	University of Texas Southwestern Medical Center, Dallas, TX
2019 – present	Promotion and Tenure Committee	Department of Anesthesiology & Pain Management, UTSW
2018-2019	SACS Quality Enhancement Plan Development Committee	University of Texas Southwestern Medical Center, Dallas, TX

2019-present	Chair, Quality Enhancement Plan Implementation Steering Committee	University of Texas Southwestern Medical Center, Dallas, TX
2020-present	Interprofessional Practice and Education Steering Committee	University of Texas Southwestern Medical Center, Dallas, TX
2020-present	Convergence Implementation Advisory Group	University of Texas Southwestern Medical Center, Dallas, TX
2022-present	Promotion and Tenure Committee	University of Texas Southwestern Medical Center, Dallas, TX
2023-present	Institutional Effectiveness Advisory Committee (IEAC)	University of Texas Southwestern Medical Center, Dallas, TX
<u>Hospital</u>		
1992-1995	Chair, Anesthesiology Equipment Committee	Walter Reed Army Medical Center, Washington, DC
1993-1995	Transfusion Committee	Walter Reed Army Medical Center, Washington, DC
1993-1995	Clinical Competency	Walter Reed Army Medical Center, Washington, DC
1995-2002	Executive Committee of the Medical Staff	Veterans' Affairs North Texas Health Care System, Dallas, TX
1997-1998	Chair, Sedation/Analgesia Committee	Veterans' Affairs North Texas Health Care System, Dallas, TX
1997-2000	Human Use Subcommittee (IRB), Research Service	Veterans' Affairs North Texas Health Care System, Dallas, TX
1998-2000	Chair, Patient Assessment Committee	Veterans' Affairs North Texas Health Care System, Dallas, TX
2006-2007	Chair, Task Force on Blood Conservation in Cardiac Surgery	University Hospital, University of Texas Southwestern Medical Center, Dallas, TX
2005-2020 2005-2010	Blood Utilization/Review Committee Chair, Blood Utilization and Review Committee	University Hospital, University of Texas Southwestern Medical Center, Dallas, TX
2011-2016	Outcomes Quality & Safety Committee	University of Texas Southwestern Medical Center, Dallas, TX
2009-2011	Clements University Hospital Planning Committee (Imaging Planning Group)	University Hospital, University of Texas Southwestern Medical Center, Dallas, TX
<u>State/Regional</u>		
2010-2012	Quality Council	University of Texas Healthcare System
<u>National/International</u>		

2016-present	Chair, Steering Committee Member, Communication, Education, Implementation, Research Working Groups	Perioperative Multi-Center Handoff Collaborative www.Handoffs.org
2019-present	Chilled Platelets Study (CHIPS) Steering Committee	Trauma, Hemostasis & Oxygenation Research (THOR) Network
2020-present	External Advisory Committee (Joanna Abraham, PhD) “Enhanced HandOff (ECHO)”. Improving process-based handoff outcomes using a machine-learning-based INTERACT system	Department of Anesthesiology, Washington University, St Louis, MS

Selected Professional Societies [List all society committees, leadership, and course leadership roles here]

Dates	<u>Society Name, member</u>
1986-present	American Heart Association
1990-present	American Society of Anesthesiology
1992-present	American Medical Association
1995-present	American Society of Echocardiography
1996-present	American Society of Hematology (elected)
2002-present	Association of University Anesthesiologists (elected)
2000-present	Dallas County Medical Society / Dallas County Society of Anesthesiology
2020-present	Human Factors & Ergonomics Society
1990-present	International Anesthesia Research Society
1992-present	Society of Cardiovascular Anesthesiologists
1998-present	Society for the Advancement of Blood Management
2007-2014	Society of Academic Anesthesiology Program Directors
2000-present	Texas Medical Society / Texas Society of Anesthesiologists
	<u>Committees</u>
2022 2000, 2007 2005, 2017	American Society of Anesthesiology Abstract Review Subcommittee on Patient Safety and Practice Management. Moderator, Clinical/Experimental Circulation Lecture Plenary Session
1998	International Anesthesia Research Society Moderator, Hematology
2016-2023 2016-2023 2007-2015 2006-2014 2000-2004	Society of Cardiovascular Anesthesiologists Quality and Safety Leadership Steering Committee Continuous Process Improvement Blood Conservation Workgroup Program Directors Committee Newsletter Committee International Committee

	Fellowships
2002	American Heart Association
2008	American Society of Echocardiography
2014	University of Texas Healthcare System (Clinical Safety & Effectiveness)

Editorial Activities

<u>Editor</u>	
2022-2023	Joint Commission Journal on Quality and Patient Safety Guest Editor, Special Issue: Perioperative Handoff Safety and Quality
<u>Ad Hoc Reviewer</u>	
2000-present	Anesthesiology
2000-present	Annals of Thoracic Surgery
2000-present	Anesthesia & Analgesia
2018-present	British Medical Journal – Quality & Safety Open Access
2000-2005	Circulation
2020-present	Health Affairs
2020-present	International Journal of Health Policy and Management
2020-present	Joint Commission Journal on Quality and Patient Safety

Grant and Program Support

<u>Present</u>	Grantor: Anesthesia Patient Safety Foundation Foundation for Education and Research Mentored Research Training Award
	Title of Project: “A Structured Communication and Team Training Program to Improve Perioperative Patient Safety”
	Role: Co-I-mentor; (PI: Michael)
	Total amount of award (directs): \$300,00.00 (2023-2025)

<u>Present</u>	Grantor: Department of Defense (DoD)
	Title of Project: “Chilled Platelet Study (CHIPS)”
	Role: Site Principal Investigator
	Total amount of award (directs): \$339,360.00 (2021-2025)

<u>Present</u>	Grantor: HHS/Agency for Healthcare Research and Quality (AHRQ)
	Title of Project: “Handoff Effectiveness Research in periOperative environments (HERO) Collaborative Research Conference (CRC)”
	Role: Principal Investigator

	Total amount of award (directs): \$50,00.00 (2021-2023)
<u>Present</u>	Grantor: NIH/National Heart Blood and Lung Institute (NHLBI)
	Title of Project: “Handoffs And Transitions In Critical Care-Understanding Useability (HATRICC-US)”
	Role: Site Principal Investigator
	Total amount of award (directs): \$177,770.00 (2020-2025)
<u>Present</u>	Grantor: University of Texas Southwestern Medical Center/Office of Academic Affairs
	Title of Program: “Quality Enhancement Plan (QEP) – Team <i>FIRST</i> ”
	Role: Director
	Total amount of program support (directs): \$4,999,302.00 (2019-2024)
<u>Past</u>	Grantor: University of Texas Southwestern Academy of Teachers (SWAT)
	Title of Project: “Enhancing Transfers in Patient Care: A Grassroots Effort in Medical Student Education”
	Role: Co-Investigator
	Total amount of award (directs): \$2,500.00 (2015-2017)
<u>Past</u>	Grantor: University of Texas Health System Patient Safety Committee
	Title of Project: “Enhancing Communication from the Operating Room to the ICU (ECHO-ICU)”
	Role: Principal Investigator
	Total amount of award (directs): \$95,000.00 (2015-2017)
<u>Past</u>	Grantor: Canadian Institute for Health Research
	Title of Project: “Transfusion Reduction in Cardiac Surgery (TRICS) III”
	Role: Co-Investigator
	Total amount of award (directs): \$10,000.00 (2014-2018)
<u>Past</u>	Grantor: HHS/Agency for Healthcare Research and Quality (AHRQ)
	Title of Project: “Improving the Safety of Care Transition for Cardiac Surgery Patient.”
	Role: Site Principal Investigator
	Total amount of award (directs): \$15,000.00 (2012-2016)
<u>Past</u>	Grantor: AMAG Pharmaceuticals
	Title of Project: Preoperative Anemia Management to Reduce Transfusion (APART) in Cardiac Surgery”
	Role: Principal Investigator

	Total amount of award (directs): \$46,566.00 (2013-2016)
<u>Past</u>	Grantor: NIH/National Heart, Lung, and Blood Institute (NHLBI).
	Title of Project: “Red Cell Storage Duration Study (RECESS).”
	Role: Site Principal Investigator
	Total amount (directs): \$189,995.00 (2011-2014)
<u>Past</u>	Grantor: HHS/Agency for Healthcare Research and Quality (AHRQ)
	Title of Project: “Cardiovascular Surgery Translational Study (CSTS)”
	Role: Site Principal Investigator (PI; Pronovost)
	Total amount of award (directs): \$10,000.00 (2011-2014)
<u>Past</u>	Grantor: NovoNordisk Corporation
	Title of Project: “Management of Excessive Bleeding following Cardiopulmonary Bypass: A Multicenter Pilot Feasibility Study.”
	Role: Principal Investigator
	Total amount of award (directs): \$84,952.14 (2006-2010)
<u>Past</u>	Grantor: Department of Veterans Affairs Cooperative Study Group. (CSP#517)
	Title of Project: “Outcome following Myocardial Revascularization On and Off Cardiopulmonary Bypass.”
	Role: Site Co-Investigator
	Total amount of award (directs): \$125,276.00 (2002-2007)
<u>Past</u>	Grantor: Wyeth Consumer Healthcare and Bayer Corporation.
	Title of Project: “Interference of anti-platelet effects of aspirin by ibuprofen.”
	Role: Principal Investigator
	Total amount of award (directs): \$85,000.00 (2002-2003)
<u>Past</u>	Grantor: Hemodyne Corporation.
	Title of Project: Ability of Platelet Contractile Force to Predict Post-operative Blood Loss.”
	Role: Principal Investigator
	Total amount of award (directs): \$28,500.00 (2001-2002)
<u>Past</u>	Grantor: UTSW/Department of Anesthesiology & Pain Management
	Title of Project: “Structural and Functional Platelet Defects in Cardiovascular Patients.”
	Role: Principal Investigator
	Total amount of award (directs): \$60,000.00 (2001-2002)
<u>Past</u>	Grantor: Alliance Pharmaceutical Corporation

	Title of Project: "Use of Oxygen to Augment Acute Normovolemic Hemodilution in Patients Undergoing CPB Surgery"
	Role: Site Principal Investigator
	Total amount of award (directs): \$135,000.00 (2000-2001)
<u>Past</u>	Grantor: Society of Cardiovascular Anesthesiologists (SCA)
	Title of Project: "Effects of CPB-Induced Hyperfibrinolysis on Platelet Function"
	Role: Principal Investigator
	Total amount of award (directs): \$20,000.00 (1999-2000)
<u>Past</u>	Grantor: Biopure Corporation.
	Title of Project: "Use of Hemoglobin-Based Oxygen Carriers in Orthopedic Patients"
	Role: Principal Investigator
	Total amount of award (directs): \$375,000.00 (1998-2000)
<u>Past</u>	Grantor: Department of Veterans Affairs
	Title of Project: "Predictive Value of Novel On-site Hemostasis Monitors on Blood Loss"
	Role: Principal Investigator
	Total amount of award (directs): \$88,000.00 (1998-1999)
<u>Past</u>	Grantor: Medtronic Corporation
	Title of Project: "Heparin Monitoring in Patients Undergoing Cardiopulmonary Bypass Surgery"
	Role: Principal Investigator
	Total amount of award (directs): \$15,000.00 (1998-1999)
<u>Past</u>	Grantor: UTSW/ Department of Anesthesiology & Pain Management
	Title of Project: "Point-of-Care Monitoring of CPB-Induced Platelet Dysfunction"
	Role: Principal Investigator
	Total amount of award (directs): \$22,500.00 (1997-1998)
<u>Past</u>	Grantor: Biopure Corporation
	Title of Project: "Use of Hemoglobin-Based Oxygen Carriers in Patients Following Cardiac Surgery"
	Role: Site Principal Investigator
	Total amount of award (directs): \$122,500.00 (1996-1997)
<u>Past</u>	Grantor: Dallas Veterans' Affairs Research Corporation
	Title of Project: "Monitoring the Effect of Extracorporeal Circulation on Platelet Function"

	Role: Principal Investigator
	Total amount of award (directs): \$15,000.00 (1995-1996)

<u>Past</u>	Grantor: Glaxo-Wellcome Corporation
	“Use of Remifentanyl for Sedation/ Analgesia during Colonoscopy”
	Role: Principal Investigator
	Total amount of award (directs): \$40,000.00 (1992-1995)

<u>Past</u>	Grantor: Department of Defense (DoD)
	Title of Project: ““Mechanical and Physical Properties of Clot Formation in Surgical Patients.”
	Role: Co-Principal Investigator
	Total amount (directs): \$150,000.00 (1992-1995)

Selected Teaching Activities

Year(s)	Activity
<u>Medical and graduate school didactic and small group teaching</u>	
1995-present	Clinical training in Anesthesiology for medical students, residents, and fellows
2018	Implementation Science. Medical Student Quality Improvement Boot Camp. Office of Quality, Safety and Outcomes Education – UTSW
2019	Team Processes and Conflicts. Medical Student Quality Improvement Boot Camp. Office of Quality, Safety and Outcomes Education - UTSW.
2019	Teamwork in Clinical Settings. Medical Student Quality Improvement Boot Camp. Office of Quality, Safety and Outcomes Education – UTSW
2019	Implementation Science. Medical Student Quality Improvement Boot Camp. Office of Quality, Safety and Outcomes Education - UTSW
2020	Implementation Science. Medical Student Quality Improvement Boot Camp. Office of Quality, Safety and Outcomes Education - UTSW
2021-present	Implementation Science. Quality Improvement Fellowship. Office of Quality, Safety and Outcomes Education - UTSW
2021-present	Teamwork competencies. Quality Improvement Fellowship. Office of Quality, Safety and Outcomes Education - UTSW
<u>Dissertation committees</u>	
2000	Chad Browse (MS – Biomedical Engineering – University of Texas Arlington)
2017	NeelaThangada (Distinction in Patient Safety/QI - UTSW)
2017	Prakash Gajera (Distinction in Patient Safety/QI - UTSW)
2018	Jim Sheng (Distinction in Patient Safety/QI - UTSW)
2017	Ashwarya Patel (Distinction in Patient Safety/QI - UTSW)
2018	Anthony Dao (Distinction in Patient Safety/QI - UTSW)

2021	Rodney Chen (Distinction in Patient Safety/QI - UTSW)
2020	Jozsef Bordas (Distinction in Patient Safety/QI - UTSW)
2022	Ian Shields (Distinction in Patient Safety/QI - UTSW)
2021	Logan Gisick (PhD – Human Factors – Embry Riddle Aeronautical Univ)
2023	Devin Shaw, (Distinction in Patient Safety/QI - UTSW)
2023	Monica Saripella, (Distinction in Patient Safety/QI - UTSW)
<u>Committees concerned with medical and graduate student education</u>	
1996-1998 2007-2014	Clinical Competency Committee, Department of Anesthesiology & Pain Management - UTSW
1999-2003	Residency Selection Committee, Department of Anesthesiology & Pain Management - UTSW
2007-2014	Education Committee, Department of Anesthesiology & Pain Management - UTSW
2018-2020	SACS Quality Enhancement Plan Development Committee – UTSW
2018-present	Co-Chair, Simulation-Based Quality Improvement & Research Committee – UTSW
2020-present	Chair, Quality Enhancement Plan Implementation Steering Committee - UTSW
2020-present	Interprofessional Practice and Education Steering Committee
2020-present	Convergence Implementation Advisory Group
2021-present	Ad hoc, Medical Education Curriculum Committee - UTSW
<u>Graduate student rotations</u>	
1995-2020	Cardiovascular and Thoracic Anesthesiology for residents
1996-2002	Clinical and laboratory research – VANTHCS
2004-2020 2007-2015	Cardiovascular and Thoracic Anesthesiology for fellows Program Director, (ACGME) Adult Cardiac Anesthesiology Fellowship
2014-present	Patient Safety and Quality Improvement (Office of Quality Safety Outcomes Education)
2020-present	Multi-specialty Anesthesiology for residents
<u>Medical student rotations</u>	
1996-present	Basic, Clinical and Health System Sciences
2012-present	Patient Safety and Quality Improvement (Office of Quality Safety Outcomes Education)
<u>Graduate Student Trainees</u>	
1998-2000	Chad Browse (MS – Biomedical Engineering Research – UTA)
2000-2001	Alexander Sheng (MS – Biomedical Engineering Research – UTA)
2001-2003	Kytai Trong, (PhD – Biomedical Engineering Research – UTA)
2006	Timothy Kim (MS – Biomedical Engineering Research – UTA)
2020-2021	Shannon Abomaali (MS – Systems Engineering – UTA)
2020-2021	Andrew Griggs (PhD – Human Factors – Embry Riddle Aeronautical Univ)
2020-2021	Logan Gisick (PhD – Human Factors – Embry Riddle Aeronautical Univ)

2022-present	Kimberly Williams (PhD – Human Factors – Embry Riddle Aeronautical Univ)
2022-2023	Molly Kilcullen (PhD – Psychological Sciences – Rice University)
Medical Student Trainees	
1996	Steve Becker (Scholarly Activity – Clinical Research - UTSW)
1997	Daniel Verret (Scholarly Activity – Clinical Research - UTSW)
1997-1998	James Warren (Scholarly Activity – Clinical Research - UTSW)
2008-2009	Jonathan Boyd (Scholarly Activity – Clinical Research - UTSW)
2010	Nicky Copra (Scholarly Activity – Patient Safety/QI - UTSW)
2010-2012	Lindsey Rutland (Scholarly Activity – Clinical Research - UTSW)
2012	Jing Liu (Scholarly Activity – Patient Safety/QI - UTSW)
2012	Lin (Sheila) Li (Scholarly Activity – Patient Safety/QI - UTSW)
2012	Levi Schlegal (Scholarly Activity – Patient Safety/QI - UTSW)
2013	Shi (Sherrie) Liu (Scholarly Activity – Patient Safety/QI - UTSW)
2013	Lasya Challa (Scholarly Activity – Patient Safety/QI - UTSW)
2015-2018	NeelaThangada (Distinction in Patient Safety/QI - UTSW)
2015-2018	Prakash Gajera (Distinction in Patient Safety/QI - UTSW)
2015-2018	Jim Sheng (Distinction in Patient Safety/QI - UTSW)
2015-2016	Thomas Lowrey (Scholarly Activity – Patient Safety/QI - UTSW)
2015	Michael Gonzales (Scholarly Activity – Patient Safety/QI - UTSW)
2016-2017	Courtney Walton (Scholarly Activity – Patient Safety/QI - UTSW)
2016-2017	Patrick Roberts (Scholarly Activity – Patient Safety/QI - UTSW)
2017-2020	Ashwarya Patel (Distinction in Patient Safety/QI - UTSW)
2018	Edward Tsai (Scholarly Activity – Patient Safety/QI - UTSW)
2018	William Hsu (Scholarly Activity – Patient Safety/QI - UTSW)
2018-2020	Harris Majeed (Scholarly Activity – Patient Safety/QI - UTSW)
2018-2020	Jozsef Bordas (Distinction in Patient Safety/QI - UTSW)
2018-2021	Anthony Dao (Distinction in Patient Safety/QI - UTSW)
2019-2020	Sona Manjunath (Distinction in Patient Safety/QI - UTSW)
2019-2021	Rodney Chen (Distinction in Patient Safety/QI - UTSW)
2019-2020	Eric Wang (Scholarly Activity – Patient Safety/QI - UTSW)
2020-2023	Benjamin Jacob (Distinction in Patient Safety/QI - UTSW)
2019-2022	Ian Shields (Distinction in Patient Safety/QI - UTSW)
2021-2024	Nidhish Lokesh (Distinction in Patient Safety/QI - UTSW)
2021-2024	Devin Shaw (Distinction in Patient Safety/QI - UTSW)
2021	Tyler Nelson (Scholarly Activity – Patient Safety/QI - UTSW)
2021-2024	Monica Saripella (Distinction in Patient Safety/QI - UTSW)
2022	Bhavana Thota (FAER Medical Student Research Fellowship – Thomas Jefferson)
2023-2026	Ryan Anaya (Distinction in Patient Safety/QI – UTSW)

2023-2024	Allante Millsap (Dean's Scholar - UTSW)
2022-2024	Alea Zone (Master of Public Health – UT Houston)
<u>Postgraduate medical education (graduate & continuing medical education)</u>	
2010-2017	Safer Cardiac Surgery (Quarterly) Joint Conference Series. Departments of Anesthesiology, Cardiovascular and Thoracic Surgery and Nursing – UTSW
2012	SCIP and Beyond: What you can do to improve safety and outcomes. Department of Anesthesiology Grand Rounds - UTSW.
2015-2017	Hemostasis and Transfusion Update: Part I – Primer and Evidence-Based Algorithms. Cardiovascular and Thoracic Anesthesia Lecture Series, Department of Anesthesiology Lecture Series - UTSW
2015-2017	Hemostasis and Transfusion Update: Part II – Population Management – Reducing Transfusion. Cardiovascular and Thoracic Anesthesia Lecture Series, Department of Anesthesiology & Pain Management – UTSW.
2017-2019	Handoff and Care Transitions. Department of Anesthesiology & Pain Management Vapor Camp – UTSW.
2018-2020	Teamwork and Communication: Making Handovers High Reliability Events. Department of Anesthesiology & Pain Management Vapor Camp - UTSW
2019	Implementation Science. <i>Presented on February 29th, 2019</i> at the Clinical Safety & Effectiveness Course - UTSW
2019	Team Training for Students: Enhancing Communication During Handovers. Effective Teachers Series – UTSW.
2020	Quality Enhancement Plan (QEP) - Team <i>FIRST</i> : “What We Have Learned So Far?” Effective Teacher Series Lecture - UTSW.
<u>Postdoctoral trainees</u>	
1996-1997	Cesar Virella, MD (Echocardiography Fellow)
1998-2000	Mangala Kurada, MD (Clinical Research Fellow)
2012	Tally Goldfarb, MD (Clinical research Fellow)
2003-2004	Marco Aguirre, MD (CVT/Echocardiography/Research Fellow)
2004-2005	Toni Cilla, MD (CVT/Echocardiography/Research Fellow)
2004-2005	Benjamin Im, MD (CVT/Echocardiography/Research Fellow)
2005-2006	Devin Trousdale, MD (CVT/Echocardiography/Research Fellow)
2005-2006	Deborah Nordmeyer, MD (CVT/Echocardiography/Research Fellow)
2007-2008	Thomas May, DO (CVT/Echocardiography/Research Fellow)
2007-2008	Rishi Taneja, MD (CVT/Echocardiography/Research Fellow)
2008-2009	Ann Johns, M.D. (CVT/Echocardiography/Research Fellow)
2008-2009	Steven Ewert, M.D. (CVT/Echocardiography/Research Fellow)
2009-2010	Jason Voight, MD (CVT/Echocardiography/Research Fellow)
2009-2010	Norman Huang, DO (CVT/Echocardiography/Research Fellow)
2010-2011	Nicholas Woodford, MD (CVT/Echocardiography/Research Fellow)

2010-2011	Kelli Craig-McMurty, MD (CVT/Echocardiography/Research Fellow)
2011-2012	Katherine Thomas, MD (CVT/Echocardiography/Research Fellow)
2011-2012	Jerad Roby, DO (CVT/Echocardiography/Research Fellow)
2012-2013	Mark Davidov, MD (CVT/Echocardiography/Research Fellow)
2012-2013	Alycia Wanat-Hawthorne, MD (CVT/Echocardiography/Research Fellow)
2013-2014	Aaron Wolfe, MD (CVT/Echocardiography/Research Fellow)
2013-2014	Anthony Tricinella, MD (CVT/Echocardiography/Research Fellow)
2014-2015	Min Kim, MD (CVT/Echocardiography/Research Fellow)
2014-2015	Simon Choi, MD (CVT/Echocardiography/Research Fellow)
2019-2021	Mozhdeh Sadighi, PhD (Systems Engineering)
2022-2023	Shannon Paquette, MD (Resident Scholar)
2023-2024	Karisa Anand, BS, MEd (Scholar-in-Residence – Team FIRST)

Selected Invited Lectures

Year(s)	Title	Location
<u>International</u>		
2021	Recommendations to improve patient safety from the Anesthesia Patient Safety Foundation's Multi-Center Handoff Collaborative	World Congress of Anesthesiologists Prague, Czechoslovakia
<u>National</u>		
1999	Physiology and Clinical Update: Hemoglobin Based Oxygen Carriers in Surgical Patients.	Medical College of Virginia/Virginia Commonwealth University, Richmond, VA
2007	Rescue Echo for Hypotension of Unknown Etiology.	Department Of Anesthesiology, Drexel University, Philadelphia, PA
2012	Creating Effective Comprehensive Unit-based Safety Program (CUSP) Teams.	The Johns Hopkins Armstrong Institute of Patient Safety and Quality, Baltimore, MD.
2015	Patient Blood Management During Cardiac Surgery: The TEAM Approach.	American Society of Anesthesiology, San Diego, CA.
2017	APSF Panel: Handoff Implementation Strategies	International Anesthesia Research Society. Washington D.C.
2017	Provocative Issue in Handoffs. Presented September 6th, 2017 at the	Anesthesia Patient Safety Foundation (APSF) Stoelting Workshop, Phoenix, AZ
2017	Factor Recombinants, Factor Concentrates and Fibrinogen in Cardiac Surgery.	Society of Cardiovascular Anesthesiologists. Orlando, FL
2017	Management of Cardiac Surgery When Heparin is Not an Option.	American Society of Anesthesiology. Boston, MA
2018	Handover Redesign: Practical Approaches to Measuring and Improving Quality.	Society of Cardiovascular Anesthesiologists. Phoenix, AZ.

2018	Factor Recombinants, Factor Concentrates and Fibrinogen in Cardiac Surgery	Society of Cardiovascular Anesthesiologists. Phoenix, AZ.
2018	Perioperative Blood Management Strategies: Early Results from the 2017 SCA Blood Conservation and Hemostasis Survey.	Society of Cardiovascular Anesthesiologists. Phoenix, AZ
<u>Regional/Local</u>		
2012	How can Cardiologists and Cardiac Anesthesiologists more effectively manage perioperative risk?	Grand Rounds, Division of Cardiology, University of Texas Southwestern Medical Center, Dallas, Tx.
2012	Reducing Deep Sternal Wound Infections.	Clinical Safety and Effectiveness Conference, San Antonio, Tx.
2011	Intraoperative Transesophageal Echocardiography.	Division of Cardiology, University of Texas Southwestern Medical Center, Dallas, TX
2007	Rescue Echo for Hypotension of Unknown Etiology.	Department Of Anesthesiology, Drexel University, Philadelphia, PA
2018-2021	Implementation Science in Health Care	Quality Improvement Fellowship. Office of Quality, Safety and Outcomes Education – UTSW
2019	Team Processes and Conflicts	Quality Improvement Fellowship. Office of Quality, Safety and Outcomes Education - UTSW.
2019	Teamwork in Clinical Settings	Quality Improvement Fellowship. Office of Quality, Safety and Outcomes Education – UTSW
2021	Why Should You Consider Joining a Learning Collaborative?	Anesthesiology Faculty Boot Camp, Department of Anesthesiology & Pain Management
2021-2023	Teamwork competencies.	Quality Improvement Fellowship. Office of Quality, Safety and Outcomes Education - UTSW
2023	Anatomy of Debrief Workshop	Southwestern Academy of Teachers, Alfred G. Gilman Symposium, UTSW
2023	Framing the Science of Teams for Health Care, Education, and Research: An Overview	Future of Teaming in Science and Medicine, CTSA Program, UTSW

Service to the Community

Year(s)	Role	Organization or institution
2000-present	Contributor and volunteer	North Texas Food Bank

2010-present	Contributor and volunteer	Habitat for Humanity
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Peer-Reviewed Publications (h-index 27; i10-index 44; Citations >2,833)

Original Research Articles

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Clinical Practice Guidelines

1.	Blood Transfusion and Hemostasis Algorithm for cardiac Surgery
2.	Intraoperative Transesophageal Echocardiography for Cardiac surgery
3.	Intraoperative Epi-aortic Examination in Cardiac Surgery
4.	Active Management of Preoperative Anemia in Cardiac Surgery
5.	Perioperative Patient Blood Management Program
6.	Perioperative Handoffs and Care Transfers

Newsletter and other non-peer reviewed scientific or medical publications/materials in print or other media

1.	Trousdale D, Greilich PE: Heparin-induced thrombocytopenia: A Primer for the HIT Team. <i>Society of Cardiovascular Anesthesiologists Newsletter.</i> August 2006.
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6.	Greilich PE. Blood Management Strategies in Cardiac Surgery Still Hodgepodge of Approaches. <i>Anesthesiology News</i> 2017 43(11):22.
7.	Aishwarya V, Greilich PE. The Ellison C. Pierce, Jr., MD, Award for Best Abstract in Patient Safety: Using Audit and Feedback to Reduce Avoidable Transfusions in Cardiovascular and Thoracic Surgery. <i>Anesthesia Patient Safety Foundation Newsletter</i> 2019;33(3):98.
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9.	Hong Mereshon B, Greilich PE. The MHC Story: Accelerating Implementation of Best Practices Through Improved Organizational Marco-Ergonomics – Updates from the Perioperative Multi-Center Handoff Collaborative (MHC) <i>Anesthesia Patient Safety Foundation Newsletter February</i> 2021;36(1).

10.	Agarwala AV, Greilich PE . Updates from the Multicenter Handoff Collaborative. <i>Anesthesia Patient Safety Foundation Newsletter</i> June 2023;38:60-62.
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Other published abstracts and peer reviewed scientific presentations: >150

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1.	DiPette DJ, Greilich PE , Kerr NE, Holland OB: Decreased renal vascular resistance accompanies the blood pressure lowering effects of dietary calcium supplementation in DOCA-salt hypertension. <i>Hypertension</i> 10:362a, 1987.
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4.	Greilich PE , Carr ME. Effects of aspirin on clot structure and fibrin-platelet interactions in patients with severe coronary artery disease. <i>Clinical Research</i> 40:241a, 1992.
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7.	Greilich PE , Carr ME, Zekert SL. Effect of desmopressin acetate (DDAVP) on platelet force development in patients bleeding excessively after cardiopulmonary bypass (CPB). <i>Clinical Research</i> 42:186a, 1994.
8.	Reid TJ, Greilich PE , Carr ME, Alving BM. Quantitative clot retraction: a method for assessing the function of fresh and stored platelets and GP IIb/IIIa receptors. <i>Blood</i> 84:463a, 1994.
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47.	Greilich PE , Goldfarb T, Jing Liu, Rosero E, Wait M, Burner J. Are More Randomized Controlled Trials Warranted to Evaluate the Safety of Erythropoietin Use in Cardiac Surgery? <i>Transfusion</i> 2013;53:A8.
48.	Greilich PE , Dupre M, Meyer D, Jessen M, Phelps E, Dellaria S, Lee F, Ring S. Sustaining Reductions in Deep Sternal Wound Infections. Proceedings from the 4 th annual meeting of the University of Texas Healthcare System <i>Building the Bridge: Clinical Safety and Effectiveness Conference</i> . September 26-27 th 2013. San Antonio, Tx.
49.	Kinard T, Christie A, Greilich PE , Sarode . Comparison of Thromboelastography (TEG) with Rotational Thromboelastrometry (ROTEM) in Surgical Patients. <i>Transfusion</i> 2013.
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51.	Greilich PE , McBroom M, Kopeke E, Sarode R, Medina M, Hill S, Ring WS. Implementation Strategy for Reducing Red Blood Cell Utilization. (3 rd Place Award - Best Abstract) Society for the Advancement for Blood Management annual meeting. <i>Anesth Analg</i> 2016;123 (suppl 3S):22-23.
52.	Greilich PE , McBroom M, Gordon A, Sarode R. Measure that Matter: Metrics to Drive and Track Progress of Institutional Patient Blood Management. <i>Anesth Analg</i> 2017;125(3S_Suppl):33.
53.	Shah D, Nelson TC, Sadighi M, Mehta A, Greilich PE , Hamilton EC. Effects Of A Virtual Simulation On Student Understanding Of Structured Communication In The Surgical Learning Environment. <i>J Am Coll Surg</i> 2022;235:S217

Selected Presentations (eg. since 2010)

1.	Poster Presentation: Designing an interventional trial in cardiac surgery patients with excessive bleeding after conventional blood transfusion therapy: A feasibility study. Presented at the 15 th Society of Cardiovascular Anesthesiologists Update on Cardiopulmonary Bypass annual meeting, March 21-26, 2010, Whistler, BC Canada.
2.	Poster Presentation: Can High-Quality Trials be Performed in Cardiac Surgery patients with Uncontrollable Bleeding? A Feasibility Pilot Study. Presented at the 49 th Annual UT Southwestern Medical Student Research Forum, January 18 th , 2011, Dallas, Tx.
3.	Poster Discussion: The Handoff Checklist: A Novel Tool in Cardiac Surgery Patients being Transferred from the Operating Room to the Intensive Care Unit. Presented at the 54 th American Society of Anesthesiology annual meeting. October 18, 2011. Chicago, Ill.
4.	Poster Presentation: The Handoff Checklist: A Novel Tool in Cardiac Surgery Patients being transferred from the Operating Room to the Intensive Care Unit. Presented at the 2 nd annual meeting of the University of Texas Healthcare System <i>Building the Bridge: Clinical Safety and Effectiveness Conference</i> . September 2011. San Antonio, Tx.
5.	Poster Presentation: Reducing Deep Sternal Wound Infections. Presented at the 3 rd meeting of the University of Texas Healthcare System <i>Building the Bridge: Clinical Safety and Effectiveness Conference</i> . September 19-21 st 2012. San Antonio, Tx.
6.	Scientific and Educational Exhibit: Performance of epiaortic ultrasound: Web-based, 3D interactive training module to guide successful navigation and planning of complete exam to improved outcome. To be presented at the 55 th of the American Society of Anesthesiology annual meeting. October 13-16, 2012. Washington, D.C.

7.	Poster Presentation: Are More Randomized Controlled Trials Warranted to Evaluate the Safety of Erythropoietin Use in Cardiac Surgery? Presented at the <i>Texas Society of Anesthesiologists</i> Annual meeting, September 5 th -8 th , 2013, Austin, Tx.
8.	Poster Presentation: Are More Randomized Controlled Trials Warranted to Evaluate the Safety of Erythropoietin Use in Cardiac Surgery? Presented at the <i>Society for the Advancement of Blood Management</i> Annual meeting, September 19 th -21 st , 2013, Los Angeles, CA.
9.	Poster Presentation: Sustaining Reductions in Deep Sternal Wound Infections. Presented at the 4 th annual meeting of the University of Texas Healthcare System <i>Building the Bridge: Clinical Safety and Effectiveness Conference</i> . September 26-27 th 2013. San Antonio, Tx.
10.	Poster Presentation: Sustaining Retained Guide Wire Leads to Re-Credentialing of all Parkland Health and Hospital System Nurse Anesthetists in Central Venous Catheter Placement. Presented at the 4 th annual meeting of the University of Texas Healthcare System <i>Building the Bridge: Clinical Safety and Effectiveness Conference</i> . September 26-27 th 2013. San Antonio, Tx.
11.	Poster Presentation: Reliability of an Evaluation Tool for Assessing Transfer of Care (“Handoffs”) from the OR to the ICU Following Cardiac Surgery. Greilich, P , Yu, S., Davidov, M., Gurses A., Hynan I. 36 th <i>Annual Meeting of the Society of Cardiovascular Anesthesiologists</i> . March 29 th – April 2, 2014. New Orleans, LA.
12.	Poster Presentation: Bivalirudin Anticoagulation in a Patient with Heparin Antibodies and Renal Failure during Transition from ECMO to LVAD. Presented at the 56 th <i>American Society of Anesthesiology</i> annual meeting. October 12-16, 2013. San Francisco, CA.
13.	Poster Presentation: Lowrey T, Sheng J, Greilich PE and members of the ECHO-ICU collaborative. Improving Patient Handoffs in the OR-ICU and OR-OR Settings. 27 th <i>National Forum Institute for Healthcare Improvement Meeting</i> . December 4 th -7 th , 2015, Orlando, FL.
14.	Poster Presentation: Reducing Transfusion in Cardiac Surgery. <i>National Health Care Week Symposium</i> , University of Texas Southwestern Medical Center, October 21, 2015. Dallas, TX
15.	Poster Presentation: Improving the OR-ICU and Intra-operative Transfers-of-Care Process. Presented at the <i>Texas Medical Association Annual Meeting</i> , April 29-30, 2016, Dallas, TX.
16.	Poster Presentation: Building high-functioning teams to spread handoffs and transitions: use of in situ simulation and observer training Presented at the 6 th <i>annual meeting of the University of Texas System Shared Visions Conference: Improving Systems to Improve Lives</i> . April 20-21, 2016. San Antonio, Tx.
17.	Poster Presentation: Improving Event Reporting in the CVICU at Clement University Hospital (Feature Poster). Roberts P, Walton C, Holle B, Phelps E, Lynch I, Gituma G, Norman P, Greilich PE . 28 th <i>National Forum Institute for Healthcare Improvement Meeting</i> . December 4 th -7 th , 2016, Orlando, FL. (Special Recognition)
18.	Poster Presentation: Improving Conformance to a Redesigned OR-to-ICU Patient Handover Process. Walton C, Phelps E, Gituma G, Lynch I, Greilich PE . 28 th <i>National Forum Institute for Healthcare Improvement Meeting</i> . December 4 th -7 th , 2016, Orlando, FL.
19.	Poster Presentation: Developing an Audit and Feedback System for Reducing Blood Transfusion. Vishwanath A, Shinde P, Brown P, Ferreira S, McBroom M, Lysikowski J, Yan C, Greilich P. 28 th <i>National Forum Institute for Healthcare Improvement Meeting</i> . December 4 th -7 th , 2016, Orlando, FL.
20.	Poster Presentation: Application of Participatory Ergonomics in Perioperative Handover Redesign. Greilich PE , Lynch I, Guttman O, Ambardekar A, Bryson T, Keebler J, Reed G. <i>International Symposium on Human Factors and Ergonomics in Health Care</i> . March 5–8, 2017. New Orleans, LA.

21.	Poster Presentation: Handover Redesign as an Opportunity for High Reliability Team Training. Lynch I, Keebler J, Guttman O, Greilich PE . <i>International Symposium on Human Factors and Ergonomics in Health Care</i> . March 5–8, 2017. New Orleans, LA.
22.	Poster Presentation: Assessing the Need for and Developing a Standardized Patient Handover Curriculum for Undergraduate Medical Education. Gajera P, Greilich P , Sheng J, Sarmiento S, Bernhardt A, Phelps E, Ambardekar A. <i>Southwestern Academy of Teachers 7th Annual Education Symposium</i> . March 2017.
23.	Poster Presentation: Assessing the Need for and Developing a Standardized Patient Handover Curriculum for Undergraduate Medical Education. Gajera P, Greilich P , Sheng J, Sarmiento S, Bernhardt A, Phelps E, Ambardekar A. <i>American Association of Medical Colleges Innovations in Healthcare Education</i> . June, 2017.
24.	Poster Presentation: Translation of Blood Conservation Guidelines into Clinical Practice: Use of a Survey Instrument to Identify Barriers and Drive Adoption Choi S, Joshi R, Greilich PE and members of the Society of Cardiovascular Anesthesiologists Blood Conservation Workgroup. <i>39th Annual meeting of the Society of Cardiovascular Anesthesiologist</i> . April 22-26 th 2017. Orlando, FL.
25.	Poster Presentation: Metric to Drive and Track Progress of Institutional Patient Blood Management. Greilich PE , McBroom M, Gordon A, Sarode R. Measure that Matter: <i>Society for the Advancement of Blood Management</i> . September 7-9, 2017. Portland OR.
26.	Poster Presentation: Anesthetic Management of an Adult With Complex Congenital Cardiac Disease Presenting With Brain Abscess. Chung E, Bryant G, Greilich PE , Skrivaneck G. <i>60th Annual Meeting of the American Society of Anesthesiology</i> . October 21-25, 2017. Boston, MA
27.	Oral Presentation: Audit and Feedback to Reduce Avoidable Transfusions in Cardiovascular Surgery. Vishwanath A, Lysikowski JR, McBroom M, Pruszyński J, Huffman L, Brown P, Shinde PN, Greilich PE . (<i>APSF Ellison C. Pierce, Jr., M.D. Award for Best Abstract in Patient Safety</i>). <i>61st Annual Meeting of the American Society of Anesthesiology</i> . October 13 th -16 th , 2018. San Francisco, CA.
28.	Poster Presentation: Designing an Acceptable and Feasible Audit and Feedback System to Drive Handoff Redesign and Implementation. Dao A, Salv R, Kamal SA, Sankar A, Phelps E, Ferreira S., Bryson T., Greilich, PE . <i>Institute for Healthcare Improvement 30th Annual National Forum on Quality Improvement in Health Care</i> . December 8-12, 2018, Orlando, FL
29.	Poster Presentation: Measuring and Improving the Fidelity of the Event reporting Process. Majeed H, Jacob S, Patel A, Lynch I, Phelps E, Greilich, PE . <i>Institute for Healthcare Improvement 30th Annual National Forum on Quality Improvement in Health Care</i> December 8-12, 2018, Orlando, FL
30.	Poster Presentation: Designing an Acceptable and Feasible Audit and Feedback System to Drive Handoff Redesign and Implementation. Dao A, Salvi R, Phelps E, Bryson T, Greilich PE . <i>57th Annual University of Texas Southwestern Medical School Research Forum</i> . January 22 nd , 2019, Dallas, TX.
31.	Oral Presentation: An Implementation Science Approach to Redesigning Handoffs After Cardiothoracic Surgery. Geoffrion TR, Lynch I, Tsai, E, Hsu W, Timmons A, Phelps E, Greilich PE . <i>55th Annual Meeting of the Society of Thoracic Surgeons</i> . Jan 27-29 th , 2019 San Diego, CA.
32.	Poster Presentation (Finalist): Improving Team-Based Communication and Care through Handoff Redesign: An Implementation Science Approach. Greilich PE, Lynch I, Hsu W, Phelps E, Minnis E, Geofffrion T, Tsai E, Walton C, Landgraf K, Minhajuddin A, Reed G. <i>1st</i>

	<i>Annual Celebration in Excellence</i> . March 22, 2019. University of Texas Southwestern Medical Center, Dallas, TX.
33.	Poster Presentation: Communication Matters: Enhancing Communication for Handovers from the Operating Room-to-ICU (ECHO-ICU): A Neurosurgical ICU Experience. Kamal A, Selig B, Nguyen H, Olson D, Osman M, Landgraf K, Greilich PE . <i>1st Annual Celebration in Excellence</i> . March 22, 2019. University of Texas Southwestern Medical Center, Dallas, TX.
34.	Poster Presentation: Designing an Acceptable and Feasible Audit and Feedback System to Drive Handoff Redesign and Implementation. Dao A, Greilich PE . <i>1st Annual Celebration in Excellence</i> . March 22, 2019. University of Texas Southwestern Medical Center, Dallas, TX.
35.	Poster Presentation: ECHO-ICU. Using Audit and Feedback to Reduce Avoidable Transfusions in Cardiovascular and Thoracic Surgery. Vishwanath A, Shinde PN, Lysikowski JR, McBroom MM, Huffman L, Pruszyński JE, Brown P, Greilich PE . <i>1st Annual Celebration in Excellence</i> . March 22, 2019. University of Texas Southwestern Medical Center, Dallas, TX.
36.	Poster presentation: Retention of the Learning Objectives to a Standardized Handover Curriculum for Undergraduate Medical Education – Assessment of the Current State. Manjunath S, Sheng J, Wang E, Michael M, Greilich PE , Ambardekar A. <i>2nd Annual Simulation-Based Quality Improvement and Research Forum</i> . May 15 th , 2019. University of Texas Southwestern Medical Center, Dallas, TX.
37.	Poster Presentation: Improving user acceptability of feedback system for optimization of the safe patient handovers simulation. Jacob B, Iyer R, Patel H, Ferreira S, Phelps E, Michael M, Greilich PE . <i>Institute for Healthcare Improvement 31th Annual National Forum on Quality Improvement in Health Care</i> December 6-9, 2019, Orlando, FL
38.	Poster presentation: Capturing the Voice of the Customer Through Focus Group-Based Analysis Shields, I., Sadighi, M., Chen, R., Jacob, B., Phelps, E., Greilich, PE . <i>3rd Annual Simulation-Based Quality Improvement and Research Forum</i> . May 13 th , 2020. University of Texas Southwestern Medical Center, Dallas, TX.
39.	Poster presentation: Validating the Simulation Track for the Academy of Performance Excellence via Established Faculty Recruitment Programs. Chen, R., Bordas, J., Sadighi, M., Jacob, B., Shields, I., Phelps, E., Greilich, PE , Scott, D., Reed, G. <i>3rd Annual Simulation-Based Quality Improvement and Research Forum</i> . May 13 th , 2020. University of Texas Southwestern Medical Center, Dallas, TX.
40.	Poster Presentation: Improving user acceptability of feedback system for optimization of the safe patient handovers simulation. Jacob B, Iyer R, Patel H, Ferreira S, Phelps E, Michael M, Greilich PE . <i>Institute for Healthcare Improvement 31th Annual National Forum on Quality Improvement in Health Care</i> December 6-9, 2019, Orlando, FL
41.	Poster presentation: Capturing the Voice of the Customer Through Focus Group-Based Analysis Shields, I., Sadighi, M., Chen, R., Jacob, B., Phelps, E., Greilich, PE . <i>3rd Annual Simulation-Based Quality Improvement and Research Forum</i> . May 13 th , 2020. University of Texas Southwestern Medical Center, Dallas, TX.
42.	Poster presentation: Validating the Simulation Track for the Academy of Performance Excellence via Established Faculty Recruitment Programs. Chen, R., Bordas, J., Sadighi, M., Jacob, B., Shields, I., Phelps, E., Greilich, PE , Scott, D., Reed, G. <i>3rd Annual Simulation-Based Quality Improvement and Research Forum</i> . May 13 th , 2020. University of Texas Southwestern Medical Center, Dallas, TX.
43.	Poster presentation: Using Ethnographic Observation to Capture Learner Experience in Safe Patient Handovers Simulation. Jacob, B., Sadighi, M., Chen, R., Shields, I., Phelps, E.,

	Greilich, PE. <i>3rd Annual Simulation-Based Quality Improvement and Research Forum</i> . May 13 th , 2020. University of Texas Southwestern Medical Center, Dallas, TX.
44.	Oral presentation: Application of a Participatory Ergonomic Approach for Scaling Handoff Redesign: A Pilot Feasibility Study. Gliga L, Lynch I, Preble R, Greilich PE. <i>2020 International Society of Human Factors and Ergonomics in Healthcare</i> . 2020
45.	Poster presentation: Establishing inter-rater reliability for an assessment tool in simulation-based handover training Sadighi M, Chen R, Liang T, Phelps E, Greilich PE. <i>American Society for Engineering Management 2020 International Annual Conference and 41st Meeting</i> . Oct 2020. Denver, CO
46.	Poster presentation: Exploring the application of system engineering to interprofessional healthcare education. Ferreira S, Abolmaali S, Phelps E, Reed G, Greilich PE. <i>American Society for Engineering Management 2020 International Annual Conference and 41st Meeting</i> . Oct 2020. Denver, CO
47.	Virtual Presentation: Virtual Handover Education for Novel COVID-19 Student Rotation. Sadighi, M., Shields, I., Preble, R., Phelps, E., Kim, S., Wees, I., Reed, G., Greilich, PE. <i>The 2021 Innovations in Health Science Education Annual Conference</i> . Feb 18-19, 2021.
48.	Virtual Presentation: Using Simulated Handover to Assess Team-Based Competencies in a Virtual Environment. Sadighi, M., Lazzara, EH., Michael, MM., Hernandez, J., Chan, C., Shields, I., Preble, R., Phelps, ME., Tannenbaum, S, Greilich, PE. <i>HFES International Symposium on Human Factors and Ergonomics in Health Care</i> . Apr 12-16, 2021. Virtual (Abstract accepted)
49.	Virtual Presentation: Virtual Introduction of Teamwork Competencies to Health Profession and Medical Students. Shah, DJ., Seal, B., Sadighi, M., Tran, B., Nweke, N., Wolf, A., Shields, I., Preble, R., Gisick, L., Klocko, D., Hoggatt Krumwiede, K., Greilich, PE. <i>Annual UT Southwestern Simulation Center Quality Improvement and Research Forum</i> . May 12, 2021.
50.	Virtual Presentation: Building Teamwork Competencies: Pivoting to Virtual Simulation Training in the Era of COVID-19. Hernandez, J., Chan, C., Michael, MM., McHugh, M., Sadighi, M., Shields, I., Preble, R., Greilich, PE. <i>Annual UT Southwestern Simulation Center Quality Improvement and Research Forum</i> . May 12, 2021.
51.	Virtual Presentation: Virtual Simulation Platform to Prepare Students to Influence Teamwork After Graduation. Hernandez, J., Dillon, S., Chan, C., Hernandez, J., Sadighi, M., Shields, I., Preble, R., Phelps, E., Greilich, PE. Use of a <i>Annual UT Southwestern Simulation Center Quality Improvement and Research Forum</i> . May 12, 2021.
52.	Virtual Presentation: Using Voice of the Student to Design Longitudinal, Interprofessional, Simulation -Based Teamwork Curriculum. Shields, I., Chen, R., Sadighi, M., Preble, R., Phelps, ME., Reed, G., Greilich, PE. <i>Annual UT Southwestern Simulation Center Quality Improvement and Research Forum</i> . May 12, 2021.
53.	Virtual Presentation: Improving Student Understanding of Teamwork Competencies in the Surgical Learning Environment. Shah, D.J., Nelson, T.C., Sadighi, M., Phelps, E., Greilich, P. , Hamilton, E.C. <i>Institute for Healthcare Improvement (IHI) Forum</i> December 5 th , 2021. Boston, MA, USA.
54.	Poster Presentation: Developing Teamwork Competencies in the Clinical Learning Environment: Learner-Centered Approach. Lee, T., Shah, D.J., Saripella, M., Lokesh, N., Pierce, A., Klocko, D., Neely, J., Nelson, T., Hamilton, E.C., Phelps, E., Mehta, A., Ireland, A., Tran, B., Raj, S., Sadighi, M., Preble, R., Greilich, P.E. <i>UT Southwestern Health System's 4th Annual Celebration of Excellence</i> . May 6 th , 2022. Dallas, TX, USA.

55.	Poster Presentation: Preston D, Wilkey A, Kwak J, Greilich PE , Joshi J. Analysis of Factor Concentrate Use in Blood Conservation and Hemostasis in Cardiac Surgery Survey. <u>Annual Meeting of the Society of Cardiovascular Anesthesiologist</u> 2022.
56.	Poster Presentation: The Design of a Storyboard to Promote Clinician Engagement in Handoff Research. Thota B, Greilich PE . FAER Medical Student Summer Research Fellowship <u>Annual Meeting of the American Society of Anesthesiology</u> . October 2022
57.	Oral Presentation: Utilizing a Student-Ran Call Clinic to Enhance Post-Discharge Care of Post-Operative Patients. Shah DJ, Nelson TC, Mehta A, Greilich PE , Hamilton EC. <u>North & South Texas Chapters American College of Surgeons Joint Annual Meeting</u> – Austin, TX February 24, 2023
58.	Virtual Presentation: Improving Student Understanding of Structured Communication in Surgical Handovers. Shah, D.J., Nelson, T.C., Sadighi, M., Mehta, A., Greilich, P. , Hamilton, E.C. <u>Institute for Healthcare Improvement (IHI) Patient Safety Congress</u> . May 16th, 2022.
59.	Poster Presentation: Effects of a Virtual Simulation on Student Understanding of Structured Communication in the Surgical Learning Environment Shah, D.J., Nelson, T.C., Sadighi, M., Mehta, A., Greilich, P. , Hamilton, E.C. <u>UT Southwestern 24th Annual Surgery Research Forum</u> . May 18th, 2022. Dallas, TX, USA.
60.	Poster Presentation: Teaching Teamwork Competencies to Students in the Surgical Learning Environment. Shah, D.J., Nelson, T.C., Sadighi, M., Mehta, A., Greilich, P. , & Hamilton, E.C. <u>UT Southwestern 24th Annual Surgery Research Forum</u> . May 18th, 2022. Dallas, TX, USA.
61.	Virtual Presentation: Improving Post-discharge Care of Post-operative Patients Using a Student-ran Call Clinic. Shah, D.J., Nelson, T.C., Mehta, A., Greilich, P., Hamilton, E.C. <u>American College of Surgeons Quality and Safety Conference</u> July 15th, 2022. Chicago, IL, USA.
62.	Oral and Poster: Utilizing a Virtual Module to Improve Teamwork Competencies of Surgical Students Shah, D.J., Nelson, T.C., Sadighi, M., Mehta, A., Greilich, P. , Hamilton, E.C. <u>North & South Texas Chapters American College of Surgeons Joint Annual Meeting</u> . February 24 th , 2023. Austin, TX, USA.
63.	Oral Presentation: Effects of A Virtual Simulation On Student Understanding Of Structured Communication In The Surgical Learning Environment. Shah, D.J., Nelson, T.C., Sadighi, M., Mehta, A., Greilich, P. , Hamilton, E.C. <u>American College of Surgeons Clinical Congress</u> . October 19 th , 2022. San Diego, CA, USA.
64.	Poster Presentation: Piloting a Clinically Integrated Curriculum for Improving the Teamwork Competencies of Students in the Surgical Learning Environment. Shah, DJ, Nelson, T.C., Paquette, S., Sadighi, M., Mollings-Puentes, C., Yoon, L., Simpson-Burreal, S., Hamilton, E.C., Greilich, P. , Mehta, A. <u>Association for Surgical Education 2023 Annual Meeting</u> . April 13 th 2023. San Diego, CA, USA.
65.	Poster Presentation: Effects of a Student-Run Call Clinic on Student Competency of Structured Communication within the Surgical Learning Environment. Shah, DJ, Nelson, TC, Paquette, S, Hess J, Sadighi M, Hamilton EC, Greilich, P , Mehta A. <u>Association for Surgical Education 2023 Annual Meeting</u> . April 13 th , 2023 San Diego, CA, USA.
66.	Poster Presentation: Team FIRST: Strategies for Recruiting and Developing Teamwork Champions for the Clinical Learning Environment. Paquette S, Sadighi M, Hoffman O, Preble R, Greilich PE . <u>UT Southwestern Health System's 5th Annual Celebration of Excellence</u> . April 2023.
67.	Oral Presentation: Systematic Development of Teamwork Competencies in Graduate Medical Education. Paquette S, Hernandez J, Michael M, Phelps E, Rege R, Velez L, Greilich PE . <u>6th</u>

	<i>Annual Simulation-Based Quality Improvement and Research Forum.</i> Wednesday, May 17, 2023.
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Personal

Married (Nancy B. Greilich, MD) with three children (Joshua, Laurel and Samuel)

Hobbies: Travel, music, and swimming