Bracken A. Armstrong, MD, FACS

Trauma / Critical Care / Acute Care / Burn Surgeon

EDUCATION & TRAINING

WASHINGTON STATE UNIVERSITY — **PULLMAN, WA**
B.S. Biochemistry — 8/20/2003–5/14/2007
Honors: *Summa cum laude* – 3.98 GPA

GEORGETOWN UNIVERSITY SCHOOL OF MEDICINE — **WASHINGTON, DC**
Doctor of Medicine — 8/1/2007–5/22/2011
Honors: Alpha Omega Alpha, *Cum laude*

UNIVERSITY OF NEVADA SCHOOL OF MEDICINE — **LAS VEGAS, NV**
Surgery Internship — 7/1/2011–6/30/2012
Surgery Residency — 7/1/2012–6/30/2016

VANDERBILT UNIVERSITY MEDICAL CENTER — **NASHVILLE, TN**
Surgical Critical Care Fellowship — 8/1/2016–7/31/2017
Acute Care Surgery Fellowship — 8/1/2016–7/31/2018
Burn Surgery Fellowship — 8/1/2017–7/31/2018

FACULTY APPOINTMENTS

VANDERBILT UNIVERSITY MEDICAL CENTER — **NASHVILLE, TN**
Clinical Instructor in Surgery — 8/1/2017–7/31/2018

SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE — **SAINT LOUIS, MO**
Assistant Professor of Surgery — 10/9/2018–5/19/2023

WASHINGTON UNIVERSITY IN ST. LOUIS SCHOOL OF MEDICINE — **SAINT LOUIS, MO**
Assistant Professor of Surgery — 9/10/2018–6/15/2023

UNIVERSITY OF SOUTH FLORIDA, MORSANI COLLEGE OF EDICINE — **TAMPA, FL**
Assistant Professor of Surgery — 10/15/2023–*Present*

MILITARY EXPERIENCE

UNITED STATES AIR FORCE — 2003–*Present*
Current Rank: Lieutenant Colonel

Active Duty Service:

Nellis Air Force Base (Las Vegas, NV)	Surgery Resident	2011–2016
C-STARS Saint Louis (Saint Louis, MO)	Physician Program Manager	2018–2023
MacDill Air Force Base (Tampa, FL)	Trauma / CC Surgeon	2023–*Present*
US Central Command (CENTCOM)	Trauma Medical Director	2024–*Present*

Deployments:

Craig Joint Theatre Hospital, Bagram Air Field, Afghanistan — 10/2019–6/2020
Position: Trauma Medical Director (Trauma Czar)

379th Expeditionary Medical Squadron, Al Udeid Air Base, Qatar — 10/2025–1/2026
Position: Trauma Medical Director

CERTIFICATIONS & LICENSURES

AMERICAN BOARD OF SURGERY (ABS)

Surgery	# 062014	2016–2027
Surgical Critical Care	# 004156	2017–2028

AMERICAN ASSOCIATION FOR THE SURGERY OF TRAUMA (AAST)

Acute Care Surgery Certification	2018

VANDERBILT UNIVERSITY MEDICAL CENTER

Burn Surgery Certification	2018

AMERICAN COLLEGE OF SURGEONS (ACS)

Advanced Trauma Life Support (ATLS)	Certified, Instructor, Course Director	2015–2029
Advanced Surgical Skills for Exposure in Trauma (ASSET)	Certified, Instructor	2016, 2017
Advanced Operative Trauma Management (ATOM)	Certified, Instructor	2016, 2017
Basic Endovascular Skills for Trauma (BEST)	Certified, Instructor	2018
Disaster Management & Emergency Preparedness (eDMEP)	Certified	2025

AMERICAN BURN ASSOCIATION (ABA)

Advanced Burn Life Support (ABLS)	Certified, Instructor	2017

SOCIETY OF AMERICAN GASTROINTESTINAL ENDOSCOPIC SURGEONS (SAGES)

Fundamentals of Laparoscopic Surgery (FLS)	Certified	2016
Fundamentals of Endoscopic Surgery (FES)	Certified	2016

HYPERBARIC MEDICINE PROGRAM OF NATIONAL BAROMEDICAL SERVICES, INC.

Primary Training in Hyperbaric Medicine	Certified	2022

AMERICAN HEART ASSOCIATION (AHA)

Basic Life Support (BLS)	2011–2027
Advanced Cardiovascular Life Support (ACLS)	2011–2027
Pediatric Advanced Life Support (PALS)	2025–2027

STATE LICENSURES

FLORIDA	# ME 164103	**ACTIVE**	2023–2027
MISSOURI	# 2018020869	INACTIVE	2018–2024
TENNESSEE	# 55671	INACTIVE	2017–2023
VIRGINIA	# 0101256967	**ACTIVE**	2014–2028
PENNSYLVANIA	# MD452925	INACTIVE	2014–2014
NEVADA	# LL2184	INACTIVE	2011–2016

COMMITTEE SERVICE

UNIVERSITY OF SOUTH FLORIDA / TAMPA GENERAL HOSPITAL

Trauma Multidisciplinary Peer Review	Member	2023–*Present*
Trauma Resource Operational Performance Improvement	Member	2023–*Present*
Trauma Performance Improvement & Patient Safety	Member	2023–*Present*
Trauma Morbidity & Mortality (M&M) Conference	Member	2023–*Present*
Pediatric Trauma Program Operational Performance Committee	Member	2023–*Present*
Surgery M&M / Quality Improvement / Grand Rounds	Member	2023–*Present*
Surgical/Trauma ICU Quality Council / Improvement	Member	2024–*Present*
Emergency General Surgery Case Review	Member	2024–*Present*
Emergency General Surgery Process Improvement	Member	2024–*Present*

Surgical Critical Care Fellowship Selection Committee	Member	2024–*Present*
Complex Patient Conference	Member	2026–*Present*

WASHINGTON UNIVERSITY IN ST. LOUIS / BARNES JEWISH HOSPITAL

Trauma Performance Improvement	Member	2018–2023
Trauma Morbidity & Mortality	Member	2018–2023
Surgical ICU Quality Improvement	Member	2018–2023
Surgical ICU Outcomes	Member	2018–2023
Multidisciplinary Trauma Conference	Member	2022–2023

SAINT LOUIS UNIVERSITY HOSPITAL

Trauma Performance Improvement	Member	2018–2022
Trauma Morbidity & Mortality	Member	2018–2022

VANDERBILT UNIVERSITY MEDICAL CENTER

Level 1 Trauma Preparedness Committee	Founding Member	2017–2018
Multidisciplinary Critical Care Fellows Conference	Organizer	2016–2017
MDTC/TPOPPS (Trauma QA/PI)	Member	2016–2018
Burn Center: PI & Patient Safety Program	Member	2017–2018
SICU Process Improvement/Quality Assurance/M&M	Member	2016–2018
Trauma/Emergency Resuscitation Conference	Member	2016–2018
Acute Care Surgery Fellows Conference/M&M	Member	2016–2018

RESEARCH, PUBLICATIONS, PRESENTATIONS, & POSTERS

Gurney JM, Armstrong BA, Martinez JG, et al. Joint Trauma System Clinical Practice Guideline: Transfusion of Type A Whole Blood for the Role 3. 30 May 2025. **Published.**

Armstrong BA, Lorch SM, Diaz JJ. Sternal Fracture Management. Very Special Issue: Rib Fracture Management: *Current Problems in Surgery*. 2025 Mar;64:101725. **Published**.

Brocke T, Armstrong B. Wound Care. In Wise P, Blatnick J, editors. *The Washington Manual of Surgery, 9e*. LWW. December 2023. **Published.**

Oduyale O, Armstrong B, McCool J, Kirby J. Burn Care. In Wise P, Blatnick J, editors. *The Washington Manual of Surgery, 9e*. LWW. December 2023. **Published.**

Armstrong BA. Fear the Fluid Creep: Colloids in Burn Resuscitation. AACN: Emerging Trends in Critical Care Nursing Symposium, Christian Hospital, Saint Louis, MO. March 16, 2023. **Presentation/Speaker.**

Armstrong BA. Burn Care Prior to Transfer. Steven R. Hall Trauma Symposium 2022. Branson, MO. October 4, 2022. **Presentation/Speaker**.

Armstrong BA (contributor). Leads: Lt Col Renée I. Matos and Col Kevin K. Chung. DoD COVID-19 Practice Management Guide: Clinical Management of COVID-19, version 7.0. Defense Health Agency, Department of Defense. March 3, 2021. **Published**.

Armstrong BA. Electrocution, Accidental Hypothermia, and Drowning. Washington University School of Medicine in St. Louis Continuing Medical Education (CME) activity: 27th Annual Refresher Course & Update in General Surgery. Saint Louis, MO. May 2, 2019. **Presentation/Speaker.**

Armstrong, BA. Damage Control Concepts and Principles (Damage Control Resuscitation) Emergency War Surgery Course, 5th Edition. Defense Health Agency, Joint Trauma System Battlefield Educational Program. 2018.

Armstrong BA, Guidry C, May AK. Surgical Complication in the ICU. In Britt LD, Peitzman AB, Barrie PS, Jurkovich GJ, editors. *Acute Care Surgery, 2e.* Philadelphia, PA: Wolters Kluwer. October 2018. **Published.**

Jeskey M, Armstrong B. Kicking Trauma Teams Up a Notch!. American Nurses Credentialing Center (ANCC) Pathway to Excellence Conference. West Palm Beach, FL. May 3, 2018. **Presentation/Speaker**.

Armstrong BA, Betzold RD, May AK. Sepsis and Septic Shock Strategies. *Surg Clin North Am*. 2017 Dec;97(6):1339-1379. **Published.**

Ingalls N, Armstrong B, Hester M, Hatzfeld J, Robinson B, Fortuna G. The Fog of War: Delirium Prevalence in a Combat ICU. *Mil Med*, Mar 2016. 181(3):209-12. **Published.**

Fillmore P, Armstrong B, Johnson M, Tsuda S, Browder T, Fildes J. Fast Track Management of Cholecystitis with Same Day Surgery Reduces Hospital Length of Stay and Health Care Costs. *Journal of Surgical Research*, February 2014; 186 (2):608-609. **Published.**

Armstrong B, Fillmore P, Browder T, Fildes J. Surgical Management of Acute Appendicitis Following Introduction of an Emergency General Surgery Consult Service. 2012. **Poster presented** at University of Nevada Research Day.

Argintar E, Armstrong B, Zawadsky M, Evans B, Romness D. Pain Control Infusion Pumps: A Prospective Randomized Evaluation in Bilateral Total Knee Arthroplasty. *Orthopedics*, March 2011; 34(3):188. **Published.**

Armstrong B, Alfaro J, Zhou Z. Proteomic Analysis of Protein Carboxylic Esters and Serine Protease Substrate Specificity. 2006. **Poster presented** at: WSU College of Sciences Undergraduate Research Poster Competition; Pullman, WA.

Armstrong B, Alfaro J, Zhou Z. Detection of Protein Carboxylic Esters via Hydrazides. 2006. **Poster presented** at: University of Washington: Volcano Conference on Chemical Biology; Pack Forest, WA

CLINICAL EDUCATION, INSTRUCTION, & LECTURES

Advanced Trauma Life Support (ATLS):

Student Course	Las Vegas, NV	6/2011
Refresher Course	Las Vegas, NV	8/2015
Instructor Course	Nashville, TN	5/2017
Faculty/Instructor for Traditional Course	Nashville, TN	6/2017
Faculty/Instructor for Traditional Course	Nashville, TN	9/2017
Faculty/Instructor for Traditional Course	Nashville, TN	2/2018
Faculty/Instructor for Traditional Course	Nashville, TN	4/2018
Faculty/Instructor for Traditional Course	Nashville, TN	6/2018
Faculty/Instructor for Traditional Course	Saint Louis, MO	9/17 & 9/18/2018
Faculty/Instructor for Refresher Course	Saint Louis, MO	10/30/2020
Course Director for Traditional Course	Saint Louis, MO	6/24 & 6/25/2021
Faculty/Instructor for Refresher Course	Saint Louis, MO	11/5/2021
Faculty/Instructor for Traditional Course	Saint Louis, MO	6/23/2022
Faculty/Instructor for Refresher Course	Tampa, FL (CAMLS)	5/17/2025

Faculty/Instructor for Hybrid Course	Tampa, FL (CAMLS)	7/19/2025
Faculty/Instructor for USF Resident Course	Tampa, FL (CAMLS)	6/24/2026
Faculty/Instructor for Hybrid Course	Tampa, FL (CAMLS)	8/16/2026
Course Director for Hybrid Course	Tampa, FL (CAMLS)	8/22 & 8/23/2026
Faculty/Instructor for Hybrid Course	Tampa, FL (CAMLS)	9/12/2026

Advanced Trauma Operative Management (ATOM):

Student Course	Nashville, TN	8/2016
Faculty/Instructor for Course	Nashville, TN	5/2017
Faculty/Instructor for Course, multiple	Nashville, TN	2017-18
Faculty/Instructor for Course	Tampa, FL (CAMLS)	10/7/2024
Faculty/Instructor for Course	Tampa, FL (CAMLS)	5/19/2025
Faculty/Instructor for Course	Tampa, FL (CAMLS)	3/23/2026

Advanced Surgical Skills for Exposure in Trauma (ASSET):

Student Course	Nashville, TN	8/2016
Faculty/Instructor for Course	Nashville, TN	2/2017
Faculty/Instructor for Course, multiple	Nashville, TN	2017-18

Basic Endovascular Skills for Trauma (BEST) and REBOA Refreshers:

BEST Student Course	Barnes Jewish Hospital: St. Louis, MO	11/2018
Instructor for BEST Course	Barnes Jewish Hospital: St. Louis, MO	8/2019
REBOA Instructor, Sim CTJH ER Staff	Bagram AF, Afghanistan	10/2019
REBOA Instructor, Sim CJTH ICU/ICW	Bagram AF, Afghanistan	11/2019
REBOA Instructor, Sim CTJH Providers	Bagram AF, Afghanistan	12/2019
REBOA Refresher, Student	Barnes Jewish Hospital: St. Louis, MO	9/2022
REBOA Refresher, Student	Tampa General Hospital: Tampa, FL	3/2024
REBOA Refresher, Student	Tampa General Hospital: Tampa, FL	8/2024
REBOA Plus to Pro Training, Student	Tampa General Hospital: Tampa, FL	9/2026

Advanced Burn Life Support (ABLS):

Student Course	Nashville, TN	3/2017
Instructor Course	Philadelphia, PA	9/2017
Faculty/Instructor for Course, multiple	Nashville, TN	2017-18

Rural Trauma Team Development (RTTDC) Course:

Instructor	Marathon, FL	6/2025

Hospital Staff Education & Course Development:

Vanderbilt University Medical Center — Nashville, TN

Peri-operative Emergency Trauma Surgery Workshop for Peri-operative Staff	
"Trauma cORe Essentials" Workshop	5/2017

Hospital Protocol Development:

Craig Joint Theatre Hospital — Bagram Air Field, Afghanistan

Massive Transfusion	10/2019
Trauma Resuscitation Area Team Component & Crowd Control	10/2019
Non-Invasive Positive Pressure Ventilation	10/2019
Intubation & Airway Management: Airway Rapid Response Team	11/2019
Bronchoscopy	11/2019
Low Titer O Whole Blood: Screening, Storage & Transfusion	11/2019
Pre-Walking Blood Bank	11/2019
Trauma Resuscitation Area Camera & Screen Installation	11/2019
Mass Casualty Incident Plan	11/2019

Antibiogram & Antibiotic Stewardship 12/2019
Enteral Nutrition & Feeding Access 12/2019
Enteral Nutrition and Anesthesia 12/2019
Hyperglycemia and Insulin Management 1/2020
COVID19 & Acute Respiratory Distress Syndrome (ARDS) Management 4/2020

Washington University in St. Louis / Barnes Jewish Hospital Saint Louis, MO
Burn Resuscitation 2/2023

USF / Tampa General Hospital Tampa, FL
Chest Wall Fracture Management 7/2024
Necrotizing Soft Tissue Infection (NSTI) 9/23/2026

Lectures (Graduate Medical Education):

Brooke Army Ortho Resident Conference San Antonio, TX 10/2009
"Acute Management of Spinal Cord Injury"

UNLV Resident Orientation Las Vegas, NV 7/2015
"Recommended Study & Reading Materials for Surgery Residents"

UNLV Resident Grand Rounds Las Vegas, NV 4/2016
"Management of Retained Traumatic Hemothorax"

Vanderbilt PBLD Conference Nashville, TN 5/2017
"Sepsis Resuscitation"

Vanderbilt ACS Fellow's Conference Nashville, TN 11/2017
"Double Jeopardy – Which Cavity and When?"

WashU/BJH Anesthesia Retreat Saint Louis, MO 4/2019
"Anesthesia Considerations in Burn Patients"

WashU Resident Education Conference Saint Louis, MO 8/2022
"Esophageal Injury"

WashU CCM Fellow Conference Saint Louis, MO 5/2023
"Fear the Fluid Creep: Colloids in Burn Resuscitation"

USF Resident Education & ABSITE Lecture Series Tampa, FL 10/10/2026
"Trauma II Abdomen/Pelvis: Liver, Spleen, GI Tract"

Labs (Graduate Medical Education):

WashU Residents & Fellows (WISE Lab) Saint Louis, MO
SAVE (Surgery for Abdominal/Thoracic Violence) Trauma Lab 9/2020
SAVE (Surgery for Abdominal/Thoracic Violence) Trauma Lab 9/2021
SAVE (Surgery for Abdominal/Thoracic Violence) Trauma Lab 9/2022

USF Residents & Fellows
Chest Wall Bioskills Lab Tampa, FL 12/2024

Lectures (Undergraduate Education):

USF Medi-Futures: 2026 Virtual Shadowing Program Tampa, FL
"Trauma / Critical Care, Burn & Acute Care Surgery:
Perspective of a Military-Civilian Integrated Surgeon" 7/20/2026

Invited Expert Panels:

Military Health Research Symposium 2025
Joint Trauma System Case Review Orlando, FL 8/5/2025

Trauma Center Association of America (TCAA) 2026 Annual Meeting & Trauma Conference
Readiness in Uncertain Times Clearwater, FL 5/6/2026

Joint Trauma System (JTS) Combat Casualty Care Conference Presentation:

Gunshot wound to head with major traumatic brain injury 10/2019
Gunshot wounds with left brachial artery injury, compartment syndrome 2/2020
Dismounted Improvised Explosive Device (IED) Injury 2/2020

Blast Injury with Liver Injury, Open Elbow Fracture 2/2020
Tracheal and Esophageal Penetrating Injury 2/2020
Gunshot wound head with major traumatic brain injury 3/2020
Gunshot wound to abdomen and thigh, open abdomen 3/2020
Blast wound with tibia/fibula fracture and LLE compartment syndrome 3/2020

Cadre for the USAF Center for Sustainment of Trauma Readiness & Skills (CSTARS – St. Louis):
Simulation Center Teaching, Lectures, & Skills Labs:
55 Sessions 2018-2023
Cadaver/Anatomy Lab Teaching:
7 Sessions 2018-2023

STUDENT SPONSORSHIPS & ADVOCACY

Undergraduates:
Charlotte Park 2018
Matriculated: Touro University California College of Osteopathic Medicine
Paulina Kempa 2023
Matriculated: University of Missouri School of Medicine
Cameron Dabbs 2023-*present*
Matriculated: TBD

Medical Students:
Noah Richmond 2024
Residency: Surgery
Macon & Joan Brock Virginia Health Sciences EVMS at ODU

Residents:
Maurice Inkel 2023-2026
Fellowship: Surgical Critical Care & Acute Care Surgery
University of Maryland School of Medicine, Shock Trauma
Alex Zorrilla 2023-2026
Fellowship: Colorectal Surgery
TBD

PROFESSIONAL SOCITIES

American College of Surgeons (ACS)
Fellow (2026 Convocation) 2014-*present*
Chest Wall Injury Society (CWIS)
Member 2024-2027
Society of the American Gastrointestinal Endoscopic Surgeons (SAGES)
Member 2014-*present*
Society of Critical Care Medicine (SCCM)
Professional Physician Member 2016-2027
Alpha Omega Honor Society (AOA)
Member 2010-*present*
American College of Physicians (ACP)
Member 2019-2023
American Burn Association (ABA)
Member 2017-2021

OTHER AWARDS / ACCOMPLISHMENTS

Air Force Meritorious Service Medal 2023

Air Force Commendation Medal (Combat), Afghanistan	2020
Vanderbilt Section of Surgical Sciences: H. William Scott, Jr. Society	2017
University of Nevada SOM Surgery: Program Director Award for Best ABSITE Score	2013-2016
University of Nevada SOM: Resident Teaching Honor Roll	2014
Alpha Omega Alpha	2010
United States Air Force: Health Professions Scholarship Program	2007-2011
WSU President's Award for Leadership/Scholastics	2007
WSU College of Sciences' Distinguished Undergraduate of the Year	2006-2007
WSU Pharmacology & Toxicology Research Fellowship Recipient	2006
WSU Herbert L. Eastlick Scholarship in Pre-medicine	2006-2007
WSU Yount/McFadden Scholarship in Biochemistry	2006-2007
WSU Center for Integrated Biotechnology Research Fellowship Recipient	2005
WSU Cougar Freshman Academic Award	2003-2007
WSU Mortar Board Outstanding Freshman Scholar	2003
United States Air Force ROTC: Undergraduate Scholarship	2003-2007
Eagle Scout	2002