

Curriculum vitae

Philip F. Stahel, MD, FACS

Chief Medical Officer
Wyoming Medical Center
Casper, Wyoming
USA

Professor of Orthopedics
and Professor of Neurosurgery
Department of Specialty Medicine
Rocky Vista University
College of Osteopathic Medicine
Parker, Colorado
USA

Professor of Surgery
Department of Surgery
East Carolina University
Brody School of Medicine
Greenville, North Carolina
USA

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■ Personal data

Birthplace:	Zurich, Switzerland
Nationality:	United States/Switzerland (dual citizen)
Military:	First lieutenant, Swiss Army Medical Corps (1987-2001)
Honors:	Tennessee Squire (since 1996)
Languages:	English, German, Swiss-German, Italian, French, Spanish.
Hobbies:	Long-distance running, reading, writing, debating, public speaking, playing guitar, cooking, sailing.

■ Education

- Medical School, University of Zurich, Switzerland (Graduation 1993)
- High School/College, Zurich, Switzerland (KS Wiedikon, Zurich, Matura B)
- Elementary School, Milan, Italy (Scuola Svizzera di Milano)

■ Residency and fellowships

2001 – 2002	Trauma Surgery Fellowship, Department of Trauma and Reconstructive Surgery, Charité University Medical Center, Berlin, Germany (Prof. W. Ertel)
2000 – 2001	Surgical Residency, Department of Visceral and Transplantation Surgery, University Hospital of Berne (Inselspital), Switzerland (Prof. M.W. Büchler)
1997 – 2000	Surgical Residency, Department of Trauma Surgery, University Hospital Zurich, Switzerland (Prof. O. Trentz)
1995 – 1997	Postdoctoral Research Fellowship in Neuroimmunology, University of Alabama at Birmingham (UAB), Birmingham, AL, USA (Prof. S.R. Barnum)
1994 – 1995	Surgical Internship, Department of Visceral Surgery and Transplant Surgery (Prof. F. Largiadèr), Department of Cardiovascular and Thoracic Surgery (Prof. M. Turina), and Department of Trauma Surgery (Prof. O. Trentz), University Hospital Zurich, Switzerland

■ Academic appointments

2022 – current	Professor of Surgery, Department of Surgery, East Carolina University, Brody School of Medicine, Greenville, NC
2017 – current	Professor of Orthopaedics and Neurosurgery, Rocky Vista University, College of Osteopathic Medicine, Parker, CO
2011 – 2017	Professor of Orthopaedics and Neurosurgery, University of Colorado, School of Medicine, Aurora, CO
2009 – 2011	Associate Professor of Neurosurgery, University of Colorado, School of Medicine, Aurora, CO
2008 – 2011	Associate Professor of Orthopaedics, University of Colorado, School of Medicine, Aurora, CO
2006 – 2008	Visiting Associate Professor of Orthopaedics, University of Colorado, School of Medicine, Denver, CO
2003 – 2006	“Privatdozent” (Dr. habil.), Charité University Medical School, Campus Benjamin Franklin, Berlin, Germany

■ Hospital positions

2025 – current	Chief Medical Officer, Wyoming Medical Center, Banner Health
2022 – 2025	Division Chief Medical Officer, Mission Health, HCA Healthcare, North Carolina Division Chief Medical Officer, Mission Hospital, North Carolina
2020 – 2022	Chief Medical Officer, The Medical Center of Aurora, Spalding Rehabilitation Hospital, Behavioral Health Campus, and Centennial Hospital, Colorado
2017 – 2020	Chief Medical Officer, North Suburban Medical Center, Colorado
2010 – 2016	Chair, Department of Orthopaedics, Denver Health Medical Center, Colorado
2006 – 2017	Attending Orthopaedic Trauma Surgeon and Spine Surgeon, Denver Health Medical Center, Colorado
2002 – 2006	Attending Trauma Surgeon and Trauma Team Leader, Department of Trauma and Reconstructive Surgery, Charité University Medical Center, Berlin, Germany
2004	Visiting Surgeon with temporary license registration for surgery, Department of Orthopaedic Surgery, Queen Mary Hospital, The University of Hong Kong

■ Board certifications and licensure

2022 – 2026	Medical License, North Carolina Medical Board, #2022-02938
2017 – 2023	Medical License, Colorado Medical Board #TDP.0041928
2006 – 2017	Medical License, Colorado Medical Board #TDP.0001011
2017 – 2020	Workers' Compensation Level II Accreditation, State of Colorado, Department of Labor and Employment
1999 – 2024	Advanced Trauma Life Support (ATLS®) Instructor; Swiss College of Surgeons (since 1999); American College of Surgeons (since 2008); ATLS® ID: 3452076 (expiration date: 02/09/2024)
2005	Board Certification for Trauma Surgery (Medical Board of Berlin, Germany)
2004	European Board of Surgery Certification for Trauma Surgery (EBSQ-Trauma), Berlin, Germany
2002	Board Certification for General Surgery (Medical Board of Berlin, Germany)
1999	Basic Written Exam for General Surgery Board Qualification (Union of the Surgical Societies of Switzerland)

■ Legislative advocacy work

- Hosting weekly recurring virtual “COVID-19 tours” for State legislators at the Medical Center of Aurora, with attendance by Senate and House members of the Colorado General Assembly (2020-2021)
- Invited physician expert and panelist, Aurora delegation virtual town hall for constituents: “Where we are: state of COVID-19 in Colorado”, hosted by Senator Nancy Todd (2020).
- Invited physician expert and panelist, South Metro Denver Chamber Health & Wellness Council, virtual town hall: “Safe strategies to re-open businesses in Colorado after COVID-19” (2020).
- Invited expert physician to represent the Colorado Medical Society at Colorado Senate Judiciary Committee hearing on the Sunset Legislation of the Professional Review Act, Colorado State Capitol, Denver, CO (2019)
- Grand Rounds event for Medical Staff, North Suburban Medical Center: “How physicians should communicate with legislators – Tips & tricks” Thornton, CO (2019)
- Colorado Medical Society, Physician Leadership Skills workshop: “Translating ideas into political action – How to get your points across to policymakers” Denver, CO (2018)
- Invited expert physician as part of lobbying task force for health care reform, in-person meetings with members of the Senate and House of Representatives on Capitol Hill, Washington, DC (2015)

■ Leadership positions and community work

- Member of the for the North Carolina Healthcare Association (NCHA) Physician Advisory Council (since 2023)
- Member of the Board of Directors, Center for Personalized Education for Professionals (CPEP), Colorado & North Carolina (since 2021)
- Member of the State Emergency Medical and Trauma Advisory Council (SEMTAC) by appointment from the Governor of Colorado (2021-2022)
- Member of the SEMTAC Public Policy & Finance Committee (2021-2022)
- Member of the SEMTAC Pediatric Care Committee (2021-2022)
- Chair of the CHA Physician Leadership Council, Colorado Hospital Association (2019-2022)
- Member of the CHA Physician Leadership Council, Colorado Hospital Association (2017-2022)
- Advisor, Academic and Leadership Honors Track, Rocky Vista University (since 2018)
- Clinical Preceptor in Leadership, Rocky Vista University (since 2018)
- Member of the Board of Directors, World Society of Emergency Surgery (since 2014)
- Graduate of the Physician Leadership Academy, HCA Leadership Institute, Nashville, TN (2019)
- Inaugural member of the HCA CMO rock band “Skyward”, Nashville, TN (2019)

- Member of the CMS Physician Expert Panel on the Colorado Professional Review Act (CPRA) Sunset Legislation, Colorado Medical Society (2018-2019)
- Member of CDPHE Emergency Medical & Trauma Services Chapter 3 Orthopedic and Neurosurgery Expanded Scope of Care Task Force, Colorado Department of Public Health and Environment (2017-2020)
- Executive champion for “Enhanced Surgical Recovery” (ESR) program implementation for the HCA Continental Division (since 2018)
- Executive champion for “Alternatives to Opioids” (ALTO) program implementation, at North Suburban Medical Center (2018-2020)
- Executive champion for “Patient Keeper Advanced Clinicals” EHR implementation at North Suburban Medical Center (2019)
- Member of the Biomedical Sciences CTE Advisory Board, Westminster High School (2019-2021)
- Member of the Data Safety Monitoring Board for the Chest Wall Injury Society randomized controlled trial “CWIS NON-FLAIL” NCT03221595 (2019)
- Colorado Medical Society, Physician Leadership Training (2018)
- AO Course Chairman for surgical residents in training, Chicago, IL (2018)
- Chair, HCA Continental Division Trauma Council (since 2018-2022)
- Co-Chair, HCA Trauma Research Steering Committee (2018-2022)
- HCA Continental Division Trauma Program CMO Liaison (2018-2022)
- Culture of Excellence Steering Committee member, HCA Continental Division (since 2018)
- Interim Trauma Medical Director, North Suburban Medical Center (2018)
- Interim Orthopedic Trauma Liaison, North Suburban Medical Center (2018)
- Executive Leadership Transitions Forum, HCA Leadership Institute, Nashville, TN (2018)
- Regional Chair, The Patient Safety Movement Foundation (2017-2019)
- Member of organizing committee work group (AAOS/ACS) for the “1st National Surgical Patient Safety Summit” (2015-2016)
- Invited expert physician, *Colorado Physician Insurance Company* (COPIC): “Patient Safety: From Colorado to the World.” (2015)
- HealthONE Quality and Patient Safety Council (since 2017)
- OrthoONE Executive Steering Committee (2017-2020)
- Regional Chair for Colorado, The Patient Safety Movement Foundation (2017/2018)
- Chair of Search Committee for recruitment of Head of Department of Neurosurgery at Denver Health (2016-2017)
- Chair of Search Committee for recruitment of Head of Department of Surgery at Denver Health (2015-2016)
- On-site academic supervisor for level I trauma training at Denver Health of rotating Navy residents from Naval Medical Center, San Diego (2008-2017)
- AO Trauma Faculty Education Program (2015)
- LEAN Academy course “Data and Analytic Skills for Lean Organizations”, including Kaizen principles, Pareto thinking, A3 planning, principles of process/outcomes analysis (2015)

- Invited expert physician, “Risk” panel, The University of Zurich Alumni Association (2013)
- Invited expert physician, *Physician’s Weekly* magazine (2011):
 - “Lessons learned from wrong-site, wrong-patient surgery”.
 - “Enhancing patient safety in surgery”.
- Member of the Corporate Committee for the annual fundraiser “NightShine Gala” for the Denver Health Foundation (2011-2016)
- Strategic Planning Executive Committee member (Joint Strategy Team/JST) at Denver Health (2012-2016)
- Medical Staff Executive Committee member at Denver Health (2010-2016)
- Patient Safety and Quality Executive Committee member at Denver Health (2010-2016)
- Perioperative Services Steering Committee member at Denver Health (2010-2016)
- Department of Orthopedics at University of Colorado Executive Committee member (2010-2016)
- Trauma Service Line Council member at Denver Health (2006-2016)
- Invited expert physician, The Joint Commission Resources Quality and Safety Network: “Time-out! Preventing wrong site, wrong procedure, and wrong person surgery” (Live educational program broadcast, NBC Digital Health Network; 2009).
- Design and implementation of a “spine damage control” clinical care standard for multiply injured patients with unstable thoracolumbar fractures, Denver Health Medical Center (2008)
- Design, implementation, and supervision of the weekly M&M conference at the Department of Orthopaedics, Denver Health Medical Center (2007)
- Founding editor of “*Patient Safety in Surgery*” – an independent open-access peer-reviewed journal indexed in PubMed and archived in the US National Library of Medicine (www.pssjournal.com)
- Faculty and instructor for AO/ASIF International courses in fracture management and polytrauma management (since 2002); including Switzerland, Germany, Spain, Lebanon, United Emirates, Hong Kong, India, Colombia, and Brazil.
- Faculty and instructor for AO North America (AONA) Musculoskeletal Trauma Education Committee, USA (since 2006).
- Instructor for Advanced Trauma Life Support (ATLS®) courses, The American College of Surgeons, Chicago, and The Swiss Surgical Society, Switzerland (since 1999).

■ Patents

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| 2008 | U.S. patent No. 11,441,828: “ <i>Inhibition of the alternative complement pathway for treatment of traumatic brain injury, spinal cord injury, and related conditions.</i> ” (V.M. Holers, J.M. Thurman, S. Tomlinson, P.F. Stahel) |
| 1998 | U.S. patent No. 5,778,895: “ <i>Method for discriminating bacterial from aseptic meningitis.</i> ” (S.R. Barnum and P.F. Stahel) |

■ Honors and awards

- 2022 Award of Appreciation, Graduate Medical Education (GME), HCA Healthcare Continental Division, for being an outstanding champion of research and mentor for medical residents, April 2022.
- 2020 Honorable mention poster award winner, *Enhanced Surgical Recovery Expo*, HCA, Nashville, TN, September 2020.
- 2018 Award of Appreciation by the Environmental Services Team at North Suburban Medical Center, for advocacy and partnership with the hospital's housekeepers, May 2018.
- 2017 Best Doctors® in America, 2017-2018.
- 2017 Denver Top Doctors, *5280 Magazine*, August 2017.
- 2017 Denver Top Doctors, *Colorado Parent Magazine*, August 2017.
- 2017 "Annual Award for Excellence in Medical Student Education" 2017, Department of Orthopedics, University of Colorado School of Medicine.
- 2017 The "Ernest E. Moore, MD, Award" 2017 for Outstanding Contribution to the Rocky Mountain Regional Trauma Center and to the Care of the Injured at Denver Health.
- 2017 Certificate of Appreciation for Medical Student Preceptorship, Foundations of Doctoring Curriculum, University of Colorado School of Medicine.
- 2016 Top-10 finalist, "Safe Care Person of 2016", *Safe Care Magazine*.
- 2015 Best Doctors® in America, 2015-2016.
- 2015 Denver Top Doctors, *5280 Magazine*, August 2015.
- 2014 Peak Performer Award for Excellence in Orthopedic Surgery, *12th Annual Rocky Mountain Hospital Medicine Symposium*.
- 2014 Best Doctors® in Denver, *Denver Business Journal*, 2014.
- 2014 Best Doctors® in America 2014-2015.
- 2013 Peak Performer Award for Excellence in Orthopedic Surgery, *11th Annual Rocky Mountain Hospital Medicine Symposium*.
- 2013 Best Doctors® for Executives, *ColoradoBiz Magazine*, 2013.
- 2012 Fellow of the *American Association for the Surgery of Trauma*.
- 2012 Howard Rosen Award for best table instructor, *AO North America*.
- 2010 Annual Patient Safety Award by the *Colorado Patient Safety Coalition*.
- 2009 Fellow of the *American College of Surgeons (FACS)*.
- 2009 Best Doctors® in America, 2009-2010.
- 2009 Award for best scientific poster of the year, *The German Society for Spine Surgery (DWG)*, Leipzig, Germany.
- 2004 Annual Research Award for Experimental Surgery, *The Swiss Surgical Society (SGC)*, Switzerland.
- 2003 Annual Research Award for Experimental Surgery, *The Swiss Surgical Society (SGC)*, Switzerland.

- 2003 *Venia legendi* for Trauma Surgery, Charité University Medical School, Humboldt University and Free University of Berlin, Germany.
- 2002 Annual Research Award, Faculty of Medicine, The Free University of Berlin, Germany.
- 2001 Annual Research Award for Best Scientific Poster, *Research Section of the German Surgical Society*, Germany.
- 2000 Young Investigator Award, *The International Neurotrauma Society*.
- 2000 Travel Award, *5th International Neurotrauma Symposium*, Garmisch-Partenkirchen, Germany.
- 1997 Travel Award, *6th European Meeting on Complement in Human Disease*, Innsbruck, Austria.

■ Team awards

- 2025 *Business North Carolina*, Mission Hospital #1 Hospital in North Carolina (tied with Duke and WakeMed)
- 2025 Healthgrades Top-50 Hospital in the United States, Mission Hospital.
- 2024 Healthgrades Top-50 Hospital in the United States, Mission Hospital.
- 2023 Healthgrades Top-50 Hospital in the United States, Mission Hospital.
- 2023 Leapfrog Group Hospital Safety Grade A award for patient safety, Mission Hospital & McDowell Hospital (Spring 2023).
- 2022 Leapfrog Group Hospital Safety Grade A award for patient safety, Mission Hospital & McDowell Hospital (Fall 2022).
- 2022 IBM-Watson top-50 *cardiovascular* hospital in the United States, The Medical Center of Aurora.
- 2022 IBM-Watson top-100 hospital in the United States, The Medical Center of Aurora.
- 2021 IBM-Watson #14-top *teaching* hospital in the United States, The Medical Center of Aurora.
- 2021 IBM-Watson top-100 hospital in the United States, The Medical Center of Aurora.
- 2021 IBM-Watson #2 ranking for Large Health Systems in the United States, HCA Continental Division.
- 2020 IBM-Watson top-100 hospital in the United States, The Medical Center of Aurora.
- 2020 IBM-Watson #1 ranking for Large Health Systems in the United States, HCA Continental Division.
- 2020 Leapfrog Group Hospital Safety Grade A award for patient safety, The Medical Center of Aurora (Spring 2020).
- 2019 Leapfrog Group Hospital Safety Grade A award for patient safety, North Suburban Medical Center (Spring 2019).
- 2018 Leapfrog Group Hospital Safety Grade A award for patient safety, North Suburban Medical Center (Spring & Fall 2018).

- 2017 Leapfrog Group Hospital Safety Grade A award for patient safety, North Suburban Medical Center (Fall 2017).
- 2016 “Patient Safety and Quality Pillar Award” by Denver Health, presented for innovation in shared decision-making and redesign of procedural informed consent process.
- 2016 “Growth Pillar Award” by Denver Health, presented for strong leadership and collaboration cross multiple clinical and administrative areas.
- 2014 “Legacy Achievement Award” by the Denver Health Foundation, presented to the Department of Orthopedics at Denver Health for dedicated service and contributions.
- 2013 “Above and Beyond” Award to the Department of Orthopedics at Denver Health for best practice performance in the annual employee engagement survey at Denver Health.
- 2012 “Above and Beyond” Award to the Department of Orthopedics at Denver Health for world class participation in the annual employee engagement survey at Denver Health.

■ Visiting professorships

- Visiting professor, University Hospital, Parma, Italy (2024)*
- Visiting professor, Scripps Clinic, La Jolla, CA (2022)*
- Visiting professor, AO Trauma Colombia, Medellín, Colombia (2021)*
- Visiting professor, International Polytrauma Course, University of Zurich, Switzerland (2021)*
- Visiting professor, Escola Paulista de Medicina, Universidade Federal de São Paulo (UNIFESP), São Paulo, Brazil (2020)*
- *[Visiting professorship invitations converted to virtual conferences during/after the COVID-19 pandemic]*
- Visiting professor, AO Trauma Colombia, Medellín, Colombia (2019)
- Visiting professor, AO Trauma India National Conference, Chandigarh, India (2019)
- Invited faculty and visiting professor, 40th SICOT Orthopaedic World Congress, Muscat, Oman (2019)
- Visiting professor, Department of Surgery, University of Zurich, Switzerland (2018)
- Visiting professor, Hospital de Traumatología y Ortopedia, Instituto Mexicano del Seguro Social, Mexico City, Mexico (2018)
- “David Harder Visiting Professorship”, Department of Orthopedics, Royal Columbian Hospital, University of British Columbia, Vancouver, BC (2017)
- Invited visiting professor, Department of Surgery, University of Florida, Jacksonville, FL (2016)
- Invited visiting professor, University of Zurich Alumni Association, Zurich Switzerland (2013)
- Invited visiting professor, Department of Surgery, UCLA, Los Angeles, CA (2012)
- Invited faculty, International Consensus Conference on the Definition of Polytrauma, Berlin, Germany (2012)

- Invited visiting professor, Department of Orthopaedics, Geisinger Medical Center, Danville, PA (2011)
- Invited faculty and speaker, Advanced AO Trauma Course for Decision Making in Polytrauma, Cartagena, Colombia (2011)
- Invited key note lecturer, The American Medical Association (AMA), Organized Medical Staff Section, San Diego, CA (2010)
- AONA visiting professor, Aspen Valley Medical Center, Aspen, CO (2010)
- AONA visiting professor, Department of Orthopaedics, University of California (UCSF), San Francisco, CA (2009)
- AONA visiting professor, Department of Orthopaedics, University of New Mexico, Albuquerque, NM (2009)
- AONA visiting professor, Department of Orthopaedics, Memorial Hospital Central, Colorado Springs, CO (2008)
- AONA visiting professor, Department of Orthopaedic Surgery, Texas Tech University Health Sciences Center, El Paso, TX (2007)
- AONA visiting professor, Department of Orthopaedic Surgery, Denver Health Medical Center, University of Colorado Health Sciences Center, Denver, CO, USA (2005)
- Invited key note speaker, AOAA Lebanese Chapter annual conference, Beirut/Lebanon (2005)
- Course Director, *"Seminar and hands-on-workshop on the locking compression plate (LCP) – a new AO concept"*, Tehran, Isfahan, Shiraz, Mashhad, Tabriz, Iran (2005)
- Course Director, *"Seminar and hands-on-workshop on the locking compression plate (LCP) – a new AO concept"*, Mumbai, Delhi, Chennai, Ahmedabad, Pune, Kolkata, Bangalore, India (2004)
- Invited AO speaker, *"49th Annual Conference of the Indian Association of Orthopedic Surgeons (IAOCON)"*, Agra, India (2004)
- Invited faculty and speaker, *Asian Pacific Orthopedic Association (APOA)*, Coimbatore, India (2003)

■ Society Memberships

- Western Carolina Medical Society (WCMS)
- North Carolina Healthcare Association (NCHA)
- North Carolina Chapter of the American College of Surgeons (NCACS)
- American College of Surgeons (ACS)
- American Association for the Surgery of Trauma (AAST)
- Orthopaedic Trauma Association (OTA)
- European Society of Medicine (ESM)
- Colorado Medical Society (CMS)
- Center for Personalized Education for Physicians (CPEP)
- Committee on Publication Ethics (COPE)
- World Association of Medical Editors (WAME)
- European Society for Trauma and Emergency Surgery (ESTES)
- German Society for Trauma Surgery (DGU)
- German Society for Orthopedics and Trauma Surgery (DGOU)
- Swiss Surgical Society (SGC/SSC)

- AO Trauma / AO North America (AONA)
- AO Alumni Association (AOAA)
- University of Zurich Alumni Association (ZUNIV)

■ Rocky Vista University educational initiatives

- “Resilience and Reflection Training” virtual workshop for medical students (since 2021)
- Individualized mentorship curriculum for medical students (since 2021)
- Structured monthly onboarding of incoming rotating medical students and GME residents at the Medical Center of Aurora (since 2021)
- Annual onboarding lecture for incoming PGY-1 residents at the HCA Continental Division GME program (since 2021)
- Virtual COVID-19 grand rounds for medical students (2020-2021)
- “Fundamentals of Clinical Medicine” introductory curriculum for medical students (2020)
- “Shadow the CMO” program for medical students (2020-2022)
- Design and implementation of a new monthly *Journal Club* series educational event for medical students and residents at North Suburban Medical Center (since 2018)
- Design and implementation of a new interdisciplinary M&M process at North Suburban Medical Center (since 2018).
- Design, fundraising, and implementation of a new *Medical Resource Center* and medical student library at North Suburban Medical Center (since 2018)
- Design and implementation of a monthly educational *trauma lecture series* for ED staff and ICU nursing staff at North Suburban Medical Center (since 2018)
- Design and implementation of a new *Grand Rounds lecture series* for medical staff at North Suburban Medical Center (since 2018)
- Design and implementation of a new daily patient safety briefing meeting at North Suburban Medical Center (since 2017).
- CMO mentor for *physician shadowing program* at North Suburban Medical Center to selected physicians with executive leadership ambitions (2017-2019)

■ Rocky Vista University medical student mentorship

- Corey Henderson, OMS-II medical student, RVU-COM (2018)
- Sally Huynh, OMS-III medical student, RVU-COM (2018)
- Jibrán Khan, OMS-III medical student, RVU-COM (2019)
- Eric Hjaltalin, OMS-II medical student, RVU-COM (2019)
- Adrian Olson, OMS-III medical student, RVU-COM (2019)
- Joseph Klein, OMS-II medical student, RVU-COM (2020)
- Jake Eggett, OMS-III medical student, RVU-COM (2021)

- Christopher Hadjialiakbari, OMS-III medical student, RVU-COM (2021)
- Calvin Zee, OMS-III medical student, RVU-COM (2021)
- Zachary Taylor, OMS-III medical student, RVU-COM (2021)
- Anne George, OMS-III medical student, RVU-COM (2021)
- Telyn J. Peterson, 2LT USAF, OMS-III medical student, RVU-COM (2021)
- Brody Montoya, OMS-III medical student, RVU-COM (2021)
- Alexandra Kreis, OMS-III medical student, RVU-COM (2021)
- Rachel Baldwin, OMS-III medical student, RVU-COM (2021)
- Noah Seto, OMS-III medical student, RVU-COM (2021)
- Jay Dhillon, OMS-I medical student, RVU-COM (2021)
- Niaz Ahankoob, OMS-VI medical student, RVU-COM (2021)
- Kyle LaMar, OMS-II medical student, RVU-SOM (2022)
- Blake (Raldon) Allred, OMS-III medical student, RVU-COM (2022)
- Aaron Machen, OMS-III medical student, RVU-COM (2022)
- Joshua Stanton, OMS-III medical student, RVU-CON (2022)
- Kevin Seely, OMS-III medical student, RVU-COM (2022)
- Zachary Roland, OMS-III medical student, RVU-COM (2023)
- Caroline Jonsson, OMS-III medical student (2024)
- DiAnna Moreno, OMS-III medical student (2024)

■ Mentorship of other undergraduate/graduate/postgraduate trainees

- Stephan Haerle, MD (doctoral thesis, University of Zurich, Switzerland; 1997-1999)
- Antoinette Engel, MD (doctoral thesis, University of Zurich, Switzerland; 1997-1999)
- Karin Kariya, MD (doctoral thesis, University of Zurich, Switzerland; 1998-2001)
- Oliver I. Schmidt, MD (postdoctoral research fellow, Charité University Medical School, Berlin, Germany; 2002-2005)
- Iris Leinhase, Dr. rer. med. (doctoral thesis, Charité University Medical School, Berlin, Germany; 2004-2006)
- Denise Harhausen, BS (bachelor thesis, Charité University Medical School, Berlin, Germany; 2004-2005)
- Imogen Bleif, MD (postdoctoral research fellow, Charité University Medical School, Berlin, Germany; 2004-2005)
- Amir Hossini, MD (postdoctoral research fellow, Charité University Medical School, Berlin, Germany; 2004-2005)
- Malte Pietzcker, MD (doctoral thesis, Charité University Medical School, Berlin, Germany; 2004-2006)

- Michal Rozanski, MD (doctoral thesis, Charité University Medical School, Berlin, Germany; 2004-2006)
- Mohy E. Taha, MD (doctoral thesis, Charité University Medical School, Berlin, Germany; 2004-2006)
- Erik A. Hasenboehler, MD (postdoctoral research fellow, Denver Health, 2006-2008)
- Michael A. Flierl, MD (postdoctoral research fellow, Denver Health, 2008-2010)
- Sebastian Weckbach, MD (postdoctoral research fellow, Denver Health, 2010-2011)
- Jens Hahnhaussen, MD (postdoctoral research fellow, Denver Health, 2011-2012)
- Miriam Neher, MD (postdoctoral research fellow, Denver Health, 2011-2013)
- Megan Rich, BA (graduate school research fellow, Denver Health, 2011-2014)
- Chesleigh Keene, ME (graduate school research fellow, Denver Health, 2011-2014)
- Daniel Ford, MD (1st year medical student, University of Colorado School of Medicine, 2015)
- Stephanie Cung, BS (undergrad/pre-med student, Denver Health, 2015)
- Anastasiya Trizno, BS (undergrad/pre-med student, Denver Health, 2015)
- Austin Peña, BS (undergrad/pre-med student, Denver Health, 2015-2019)
- David Harry, BS (undergrad/pre-med student, Denver Health, 2016-2019)
- Robin Dunn, MD (preceptor for resident in training at CU-SOM, 2016–2017)
- Jason Koerner, BS (preceptor for medical student at CU-SOM, 2016–2018)
- Pratibha Anand, BS (mentor during undergrad/pre-med/medical school at CU-SOM, 2015–2018)
- Nicholas Alfonso, MD (mentor of senior resident research project, Orthopedic Residency Program at CU-SOM, 2016-2018)
- Christine Nguyen, BS (academic mentor for medical student at the University of Arkansas, 2021-2022)

■ Research

2010 – 2022	Research collaboration in patient safety initiatives, Colorado Physician Insurance Company (COPIC), Denver, CO.
2015 – 2020	Principal Investigator for a new screw fastener fixation technology in orthopedics with biomechanical evaluation and clinical application (SMV Scientific / University of Colorado School of Medicine).
2007 – 2017	Principal Investigator of the Laboratory for Experimental Neurotrauma, Denver Health Medical Center, Denver, CO.

2007 – 2010	Director of Orthopaedic Research, Denver Health Medical Center, Denver, CO.
2001 – 2006	Principal Investigator of the Laboratory for Experimental Neurotrauma, Charité University Medical Center, Facility for Experimental Medicine, Berlin, Germany.
2003	Habilitation thesis: <i>"Neuroinflammation in traumatic brain injury – the role of cytokines, chemokines, and intracranial complement activation"</i> , Charité University Medical Center, Humboldt University and Free University of Berlin, Germany.
1998	Visiting Research Fellow, Department of Pharmacology, Hadassah Medical School, The Hebrew University of Jerusalem, Israel (Prof. E. Shohami).
1995 – 1997	Postdoctoral Research Fellow, Department of Microbiology, The University of Alabama at Birmingham (UAB), Birmingham, AL, USA (Prof. S.R. Barnum).
1993 – 1995	Doctoral Thesis: <i>"The role of interleukin-8 in the pathophysiology of traumatic brain injury"</i> , The University of Zurich, Switzerland (Prof. O. Trentz).

■ Peer-reviewed grant funding

2015 – 2022	Colorado Physician Insurance Company (COPIC): <i>"Enhancing Patient Safety in Surgery"</i> (PI) \$59,700.-
2015 – 2017	Industrial funding (Kypha, Inc): <i>"Defining the inflammatory response in patients with traumatic brain injury."</i> (PI) \$33,466.-
2014 – 2017	Industrial funding (Stryker Spine): <i>"Comparison of inflammatory markers associated with different treatment modalities in multiply injured patients with unstable spine fractures."</i> (PI) \$102,620.-
2010 – 2015	Colorado Traumatic Brain Injury Trust Fund, project grant: <i>"The role of natural antibodies in the pathophysiology of traumatic brain injury"</i> (PI) \$1,024,905.-
2012 – 2015	Industrial funding (Stryker): <i>"Defining the safe timing and modality of femur shaft fracture fixation in head-injured patients"</i> (PI) \$99,696.-
2010 – 2014	Colorado Physician Insurance Company (COPIC): <i>"Enhancing Patient Safety in Surgery"</i> (PI) \$48,600.-
2009 – 2012	Industrial funding (Apogee Biotechnology Corporation): <i>"Investigation of neuroprotective effects by the compound ABC294640 in experimental traumatic brain injury"</i> (PI) \$14,658.-
2005 – 2007	The German Research Foundation (DFG), SPP 1151 DFG priority program: <i>"Immune and metabolic modulation induced by severe tissue trauma"</i> , project grant No. STA 635/2-2 (PI) €205,000.-

2007	The German Research Foundation (DFG), project grant No. TR 742/1-2 (<u>Co-PI</u> ; PI: Trendelenburg, G.; Co-PI: Dirnagl, U.) €52,500.-
2004 – 2006	The German Research Foundation (DFG), project grant No. TR 742/1-1 (<u>Co-PI</u> ; PI: Trendelenburg, G.; Co-PI: Dirnagl, U.) €100,000.-
2004 – 2005	The German Research Foundation (DFG), project grant No. STA 635/1-2 (<u>PI</u>) €105,000.-
2003 – 2005	The German Research Foundation (DFG), SPP 1151 DFG priority program: <i>"Immune and metabolic modulation induced by severe tissue trauma"</i> , project grant No. STA 635/2-1 (<u>PI</u>) €106,500.-
2002 – 2004	The German Research Foundation (DFG), project grant No. STA 635/1-1 (<u>PI</u>) €105,000.-
2000 – 2002	The Swiss National Science Foundation (SNF), project grant No. 31-61448.00 (<u>Co-PI</u> ; PI: Morganti-Kossmann, M.C.) Sfr. 105,000.-
1998 – 2000	The Swiss National Science Foundation (SNF), project grant No. 31-52482.97 (<u>Co-PI</u> ; PI: Morganti-Kossmann, M.C.) Sfr. 123,000.-
1997	The Swiss National Science Foundation (SNF), 2 nd postdoctoral training grant (<u>PI</u>) Sfr. 36,000.-
1996	The Swiss National Science Foundation (SNF), 1 st postdoctoral training grant (<u>PI</u>) Sfr. 44,000.-

■ Editorial appointments

- *Patient Safety in Surgery* (Editor-in-Chief / Founding editor)
- *World Journal of Emergency Surgery* (Editorial Board & Board of Directors)
- *Journal of Trauma and Acute Care Surgery* (Editorial Board)
- *Frontiers in Surgery* (Associate Editor, Orthopedic Surgery)
- *Orthopedics* (Section Editor)
- *European Journal of Trauma and Emergency Surgery* (Section Editor)
- *Scandinavian Journal of Trauma, Resuscitation, and Emergency Medicine* (Editorial board member)
- *Journal of Medical and Surgical Errors* (Associate Editor)
- *CREST – Case Reports in Emergency Surgery and Trauma* (Editorial board member)
- *Mediators of Inflammation* (Guest Editor)
- *Clinical and Developmental Immunology* (Guest Editor)
- *Frontiers in Surgery* (Guest Editor)
- *BMC Surgery* (Section Editor, 2011-2014)
- *Clinical Medicine Insights: Trauma and Intensive Medicine* (Editor-in-Chief, 2010-2013)

■ Peer reviewer for grant funding agencies

- *Medical Science Monitor International Reviewers Panel*
- *United States-Israel Binational Science Foundation (BSF)*
- *Israel Science Foundation (ISF)*
- *German Research Foundation (DFG)*
- *Swiss National Science Foundation (SNF)*
- *Austrian Research Foundation (FWF)*
- *The American Medical Foundation (AMF)*
- *AO-ASIF Foundation Peer Review Panel*
- *US Army Medical Research and Materiel Command (USAMRMC), Scientific Peer Advisory and Review Services Division of the American Institute of Biological Sciences (AIBS)*
- *US Air Force Medical Service, Division of the American Institute of Biological Sciences (AIBS)*
- *Clinical Trial Award panel, Peer-reviewed Orthopaedic Research Program (PRORP) of the Department of Defense (DoD)*
- *Peer review panel of the Armed Forces Institute of Regenerative Medicine-II (AFIRM-II) program for the Department of Defense (DoD).*
- *Colorado Brain Injury Program, State of Colorado, Department of Human Services.*

■ Peer reviewer for biomedical journals

- *Acta Neuropathologica*
- *Acta Physiologica*
- *American Journal of Pathology*
- *Anesthesiology*
- *Annals of Clinical and Translational Neurology*
- *Annals of Medicine and Surgery*
- *Annals of Neurology*
- *Asia-Pacific Journal of Endocrinology*
- *Biomaterials*
- *BMC Infectious Diseases*
- *BMC Musculoskeletal Disorders*
- *BMC Neuroscience*
- *BMC Surgery*
- *BMJ Case Reports*
- *Bone & Joint Journal*
- *Brain*
- *Brain Research*
- *British Journal of Surgery*
- *Clinical and Developmental Immunology*
- *Clinical and Experimental Medicine*
- *Clinical Medicine Insights: Trauma and Intensive Medicine*
- *Critical Care*

- *Current Drug Targets*
- *Current Medical Research & Opinion*
- *Cytokine*
- *European Journal of Neuroscience*
- *European Journal of Orthopaedic Surgery and Traumatology*
- *European Journal of Orthopaedics and Traumatology*
- *European Journal of Trauma and Emergency Surgery*
- *Experimental Brain Research*
- *Expert Opinion on Emerging Drugs*
- *Expert Opinion on Investigational Drugs*
- *Expert Review of Anti-infective Therapy*
- *FASEB Journal*
- *Frontiers in Bioengineering & Biotechnology*
- *Frontiers in Immunology*
- *Frontiers in Surgery*
- *Future Neurology*
- *Immunopharmacology & Immunotoxicology*
- *Indian Journal of Orthopaedics*
- *Injury*
- *Intensive Care Medicine*
- *International Journal of Experimental Pathology*
- *International Journal of Immunopathology and Pharmacology*
- *International Journal of Pediatrics*
- *Journal of the American College of Surgeons (JACS)*
- *Journal of Blood Disorders and Transfusion*
- *Journal of Bone and Joint Surgery (British)*
- *Journal of Cerebral Blood Flow and Metabolism*
- *Journal of Clinical Investigation (JCI)*
- *Journal of Dermatological Treatment*
- *Journal of Emergency Medicine, Trauma, and Acute Care*
- *Journal of Emergencies, Trauma, and Shock*
- *Journal of Hepatology*
- *Journal of Neuroinflammation*
- *Journal of Neuropathology & Experimental Neurology*
- *Journal of Neurotrauma*
- *Journal of Orthopaedic Research*
- *Journal of Orthopaedic Surgery and Research*
- *Journal of Orthopaedic Trauma*
- *Journal of Spine Surgery*
- *Journal of Trauma and Acute Care Surgery*
- *Journal of Trauma Management and Outcomes*
- *Lancet*
- *Libyan Journal of Medicine*
- *Mediators of Inflammation*

- *Molecular Biology International*
- *Mount Sinai Journal of Medicine*
- *Neural Regeneration Research*
- *Neurobiology of Disease*
- *Neurocritical Care*
- *Neuroimmunology & Neuroinflammation*
- *Neuroscience*
- *Neurotherapeutics*
- *Orthopedics*
- *Pharmacology & Therapeutics*
- *PLoS ONE*
- *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*
- *Psychology, Health & Medicine*
- *Saudi Medical Journal*
- *Scandinavian Journal of Immunology*
- *Scandinavian Journal of Trauma, Resuscitation, and Emergency Medicine*
- *Science*
- *SpringerPlus*
- *Southern Medical Journal*
- *Synapse*
- *Topics in Spinal Cord Injury Rehabilitation*
- *Translational Pediatrics*
- *Trials*
- *Unfallchirurg*
- *World Journal of Emergency Surgery*

■ Publications

*Denotes corresponding author.

Publication metrics:

Cumulative Impact Factor (IF) of peer-reviewed publications: **1,153.3 pts**

H-Index: **41**

Number of citations: **18,539**

Peer-reviewed publications:

1. **Stahel PF**, Nadal D, Pfister HW, Paradisis PM, Barnum SR. Complement C3 and factor B cerebrospinal fluid concentrations in bacterial and aseptic meningitis. *Lancet* 1997, 349:1886-7. **[IF 98.4]**
2. **Stahel PF**, Frei K, Eugster HP, Fontana A, Hummel KM, Wetsel RA, Ames RS, Barnum SR. TNF- α -mediated expression of the receptor for anaphylatoxin C5a on neurons in experimental *Listeria* meningoencephalitis. *J. Immunol.* 1997, 159:861-9. **[IF 5.4]**
3. **Stahel PF**, Frei K, Fontana A, Eugster HP, Ault BH, Barnum SR. Evidence for intrathecal synthesis of alternative pathway complement activation proteins in experimental meningitis. *Am. J. Pathol.* 1997, 151:897-904. **[IF 4.6]**
4. **Stahel PF**, Kossmann T, Morganti-Kossmann MC, Hans VHJ, Barnum SR. Experimental diffuse axonal injury induces enhanced neuronal C5a receptor mRNA expression in rats. *Mol. Brain Res.* 1997, 50:205-12. **[IF 2.9]**
5. Kossmann T, **Stahel PF**, Morganti-Kossmann MC, Jones JL, Barnum SR. Elevated levels of the complement components C3 and factor B in ventricular cerebrospinal fluid of patients with traumatic brain injury. *J. Neuroimmunol.* 1997, 73:63-9. **[IF 2.9]**
6. Kossmann T, **Stahel PF**, Lenzlinger PM, Redl H, Dubs RW, Trentz O, Schlag G, Morganti-Kossmann MC. Interleukin-8 released into the cerebrospinal fluid after brain injury is associated with blood-brain barrier dysfunction and nerve growth factor production. *J. Cereb. Blood. Flow Metab.* 1997, 17:280-9. **[IF 5.4]**
7. Morganti-Kossmann MC, Lenzlinger PM, Hans V, **Stahel P**, Csuka E, Ammann E, Stocker R, Trentz O, Kossmann T. Production of cytokines following brain injury: beneficial and deleterious for the damaged tissue. *Mol. Psychiatry* 1997, 2:133-6. **[IF 14.9]**
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10. ***Stahel PF**, Kossmann T, Joller H, Trentz O, Morganti-Kossmann MC. Increased interleukin-12 levels in human cerebrospinal fluid following severe head trauma. *Neurosci. Lett.* 1998, 249:123-6. **[IF 2.5]**
11. Raby CA, Morganti-Kossmann MC, Kossmann T, **Stahel PF**, Watson MD, Evans LM, Mehta PD, Spiegel K, Kuo YM, Roher AE, Emmerling MR. Traumatic brain injury increases β -Amyloid peptide 1-42 in cerebrospinal fluid. *J. Neurochem.* 1998, 71:2505-9. **[IF 4.3]**

12. Davoust N, Jones J, **Stahel PF**, Ames RS, Barnum SR. Receptor for the C3a anaphylatoxin is expressed by neurons and glial cells. *Glia* 1999, 26:201-11. **[IF 6.2]**
13. Nataf S, **Stahel PF**, Davoust N, Barnum SR. Complement anaphylatoxin receptors on neurons: new tricks for old receptors? *Trends Neurosci.* 1999, 22:397-402. **[IF 14.6]**
14. Emmerling MR, Morganti-Kossmann MC, Kossmann T, **Stahel PF**, Watson MD, Evans LM, Mehta PD, Spiegel K, Kuo YM, Roher AE, Raby CA. Traumatic brain injury elevates Alzheimer's amyloid peptide A β 1-42 in human CSF: a possible role for nerve cell injury. *Ann. NY Acad. Sci.* 2000, 903:118-22. **[IF 4.4]**
15. ***Stahel PF**, Shohami E, Younis FM, Kariya K, Otto VI, Lenzlinger PM, Grosjean MB, Eugster HP, Trentz O, Kossmann T, Morganti-Kossmann MC. Experimental closed head injury: Analysis of neurological outcome, blood-brain barrier dysfunction, intracranial neutrophil infiltration and neuronal cell death in mice deficient in genes for pro-inflammatory cytokines. *J. Cereb. Blood Flow Metab.* 2000, 20:369-80. **[IF 5.4]**
16. ***Stahel PF**, Kariya K, Shohami E, Barnum SR, Eugster HP, Trentz O, Kossmann T, Morganti-Kossmann MC. Intracerebral complement C5a receptor (CD88) expression is regulated by TNF and lymphotoxin- α following closed head injury in mice. *J. Neuroimmunol.* 2000, 109:164-72. **[IF 2.9]**
17. Morganti-Kossmann MC, Otto VI, **Stahel PF**, Kossmann T. The role of inflammation in neurologic disease. *Curr. Opin. Crit. Care* 2000, 6:98-109. **[IF 2.6]**
18. Kossmann T, Payne B, **Stahel PF**, Trentz O. Traumatic paraplegia: surgical measures [German]. *Swiss Med. Wkly.* 2000, 130:816-28. **[IF 2.1]**
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20. Morganti-Kossmann MC, Rancan M, Otto VI, **Stahel PF**, Kossmann T. Role of cerebral inflammation after traumatic brain injury: a revisited concept. *Shock* 2001, 16:165-77. **[IF 3.1]**
21. Gloor B, Müller CA, Worni M, **Stahel PF**, Redaelli C, Uhl W, Büchler MW. Pancreatic infection in severe pancreatitis: the role of fungus and multi-resistant organisms. *Arch. Surg.* 2001, 136:592-6. **[IF 16.9]**
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- immunomodulatory effects with cyclosporin A in rat renal allotransplants. *Kidney Int.* 2002, 61:288-96. **[IF 8.6]**
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 33. Albrecht T, von Schlippenbach J, **Stahel PF**, Ertel W, Wolf KJ. The role of whole body spiral CT in the primary work-up of polytrauma patients – comparison with conventional radiography and abdominal sonography [German]. *RoFo - Fortschr. Röntgenstr.* 2004, 176:1142-50. **[IF 1.4]**
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43. Yatsiv I, Grigoriadis N, Simeonidou C, **Stahel PF**, Schmidt OI, Alexandrovitch AG, Tsenter J, Shohami E. Erythropoietin is neuroprotective: improves functional recovery and reduces neuronal apoptosis and inflammation in a rodent model of experimental closed head injury. *FASEB J.* 2005, 19:1701-3. **[IF 5.8]**
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 61. **Stahel PF**, Smith WR, Moore EE. Role of biological modifiers regulating the immune response after trauma. *Injury* 2007, 38:1409-22. **[IF 2.1]**
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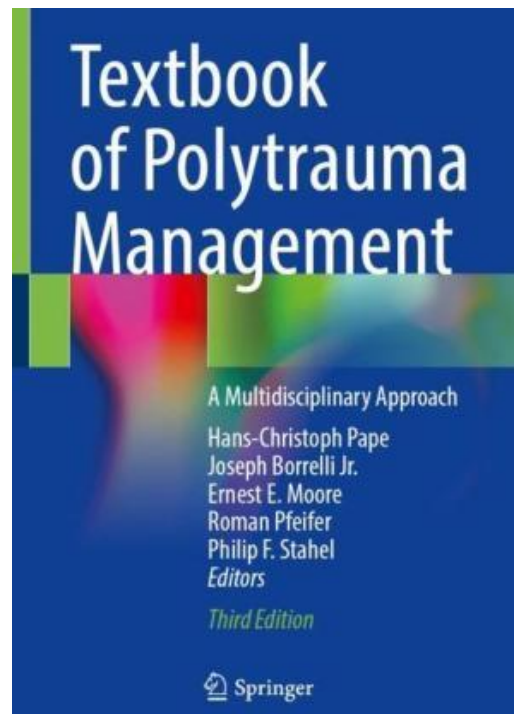
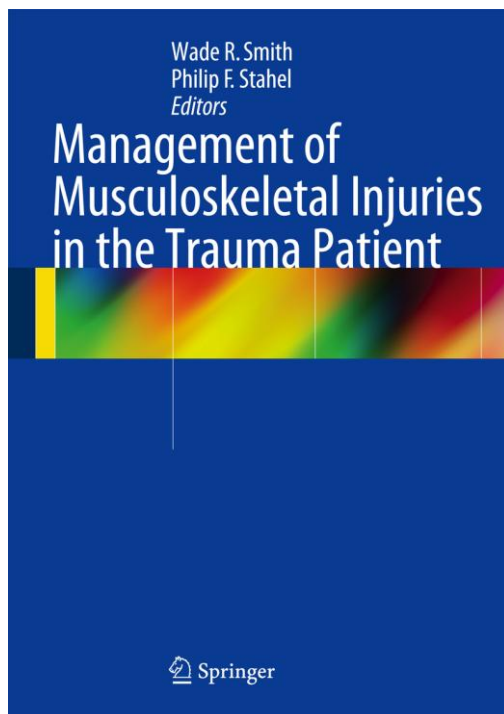
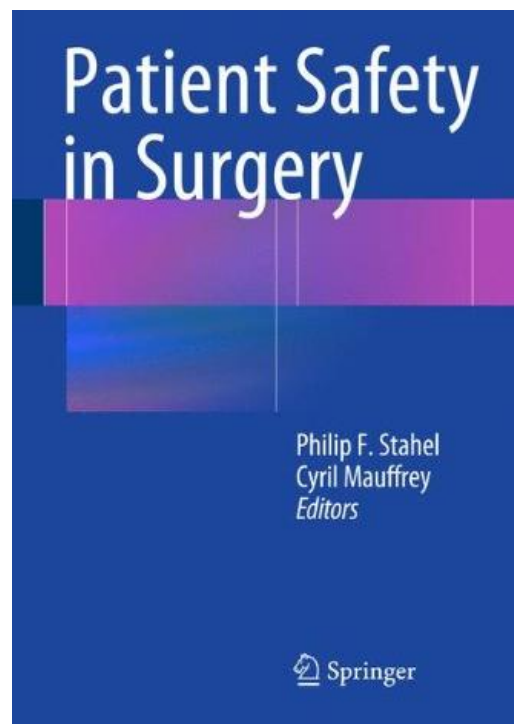
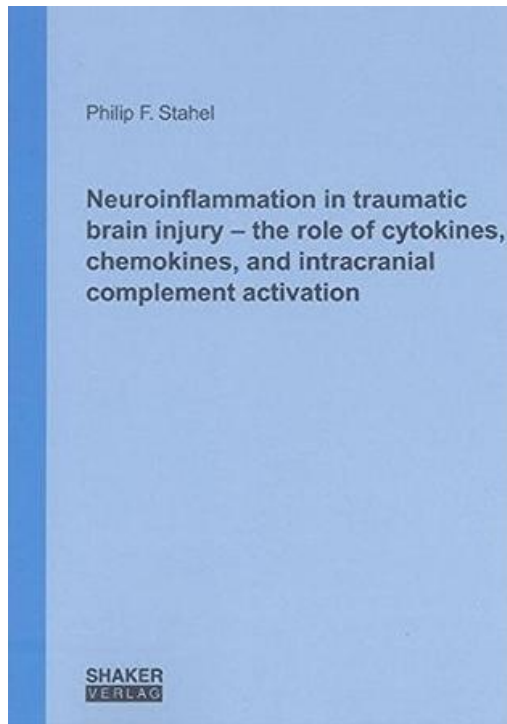
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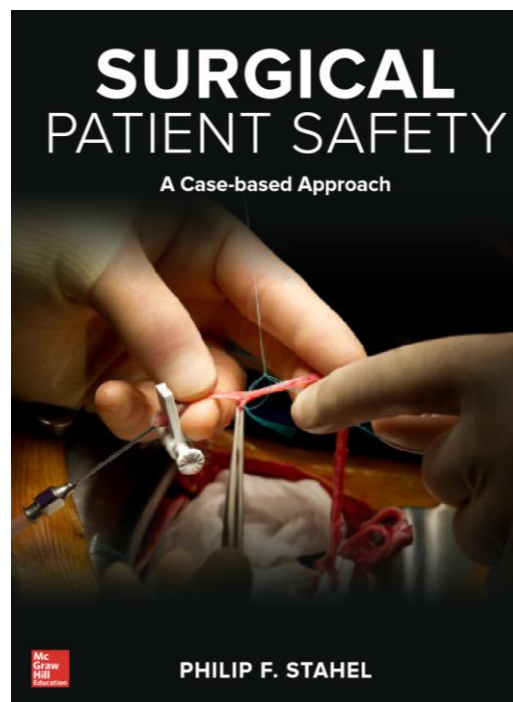
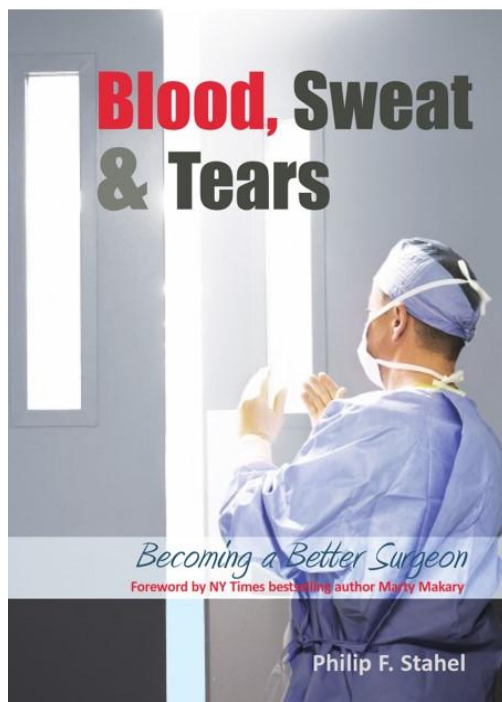
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■ Textbooks

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2. Smith WR, **Stahel PF**. *Management of Musculoskeletal Injuries in the Trauma Patient*. Springer, New York, 2014, pp.340. (ISBN 978-1-4614-8550-6)
3. **Stahel PF**, Mauffrey C. *Patient Safety in Surgery*. Springer, New York, 2014, pp.565. (ISBN 9781447143680)
4. **Stahel PF**. *Blood, Sweat & Tears – Becoming a Better Surgeon*. TFM Publishing, Shropshire, UK, 2016, pp.320 (ISBN 9781910079270)
#1 New Release in Medical Essays ([Amazon.com](https://www.amazon.com) / January 2016)
5. **Stahel PF**. *Surgical Patient Safety: A Case-based Approach*. McGraw-Hill, New York, 2018, pp.283 (ISBN 9780071842631)
6. Pape HC, Borrelli J, Moore EE, Pfeifer R, **Stahel PF**. *Textbook of Polytrauma Management: A Multidisciplinary Approach*. Springer Nature, 3rd edition, 2022, pp.677. (ISBN 9783030959050)





Author website: www.amazon.com/author/philstahel

■ Instructional videos, podcasts, media coverage

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www.vumedi.com/video/the-direct-posterior-approach-to-posteromedial-tibial-plateau-fractures/
www.youtube.com/watch?v=9Ffrs-AsHzA&feature=youtu.be
2. Open wedge high tibial osteotomy without bone grafting: The Tomofix technique (2016)
www.vumedi.com/video/open-wedge-HTO-technique-without-bone-grafting-the-tomofix-technique/
www.youtube.com/watch?v=ycsvBV1N6rk
3. Preperitoneal pelvic packing for acute hemorrhage control (2016)
www.vumedi.com/video/pelvic-packing-surgery-live-real-time-instructional-video/
www.youtube.com/watch?v=RYHbEPE-Tno
4. Podcast: Learning empathy from monsters and muppets (2016)
<https://surgeonmasters.com/podcast/>
5. Webinar: National Surgical Patient Safety Summit – Human Factors and Education (2016)
 Lead presenter for patient safety education group, ACS/AAOS
6. Webinar: Surgeon Challenges (2017)
www.anymeeting.com/WebConference/RecordingDefault.aspx?c_psrId=E954D781874C3C
7. Podcast: Becoming a better listener (2017)

- <https://surgeonmasters.com/podcast/>
8. Podcast: Minimizing risk (2017)
<https://surgeonmasters.com/podcast/>
 9. Podcast: Know your janitor's name (2017)
<https://surgeonmasters.com/podcast/>
 10. Tutorial: How to solve the Rubik's Cube in 7 simple steps (2017)
www.youtube.com/watch?v=qHkGPY9ipkg&feature=youtu.be
 11. Podcast: Surviving surgery: Why are so many surgeons performing unnecessary surgery? (2017)
<http://docofalltradez.com/2017/03/14/surviving-surgery-ep1-why-are-some-many-surgeons-performing-unnecessary-surgery-dr-phil-stahel-and-i-explore/>
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<https://surgeonmasters.com/>
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www.thedenverchannel.com/news/local-news/medical-center-of-aurora-makes-changes-to-treat-coronavirus-patients
 14. "We have to continue to be smart and respectful, Colorado doctor says." (Fox31 Denver interview, April 25, 2020).
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<https://denver.cbslocal.com/2020/05/05/denver-hospitals-safer-home/>
 16. "The Medical Center of Aurora develops 'Corona Curtain' to protect medical staff during high-risk procedures." (Fox31 Denver interview, May 12, 2020).
<https://kdvr.com/news/coronavirus/medical-center-of-aurora-develops-corona-curtain-to-protect-medical-staff-during-high-risk-procedures/>
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www.newsy.com/stories/hospital-s-inexpensive-corona-curtain-could-help-save-lives/
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<https://america.cgtn.com/2020/07/01/u-s-hospitals-face-severe-challenges-from-coronavirus>
 19. "COVID-19 'Long Haulers' proof the disease affects people in many different ways." (China Global Television Network /CGTN interview, July 6, 2020).
www.youtube.com/watch?v=OnDdMOkdpe4&feature=youtu.be
 20. "Younger COVID-19 patients may face recovery complications." (NEWSY interview, July 10, 2020).
www.newsy.com/stories/younger-covid-19-patients-may-face-recovery-complications-1/

21. "How does Colorado's response to the COVID-19 pandemic compare to other states?" (Fox31 Denver interview, July 15, 2020).
<https://kdvr.com/news/how-does-colorados-response-to-the-pandemic-compare-to-other-states/>
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24. "COVID-19 pandemic end-of-year message to healthcare workers." (The Medical Center of Aurora, December 10, 2020).
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26. "How will we remember the Covid-19 pandemic?" *The Atlantic*, May 2021.
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27. "Why is it so difficult to prevent unnecessary medical procedures in the U.S. health-care system?" *The Atlantic*, August 2021.
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29. "Medical Center of Aurora unveils memorial dedicated to COVID patients & staff." (CBS Channel 4 Denver news coverage, July 15, 2021).
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30. "Hospital workers honored at the Medical Center of Aurora." (Fox31 Denver news coverage, July 15, 2021).
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31. "The delta variant will drive a steep rise in US COVID deaths, a new model shows." (National Public Radio/NPR news coverage, July 22, 2021).
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32. "Candid conversations with a CMO." (Live webinar, August 12, 2021).
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33. "The impact of COVID-19 on immune system-related complications in surgical patients." (Guest editor, *Frontiers in Surgery*, August 2021).
<https://www.frontiersin.org/research-topics/24961/the-impact-of-covid-19-on-immune-system-related-complications-in-surgical-patients/>
34. "COVID-19 update for colleagues: Message from the CMO." (The Medical Center of Aurora, September 1, 2021).
www.youtube.com/watch?v=W_T-B9CB3hs
35. "This is why Omicron is so highly transmissible." (Scripps News Media interview, covering 61 television stations in 41 U.S. markets, including Nashville Channel 5, January 3, 2022)
<https://www.newschannel5.com/news/national/this-is-why-omicron-is-so-highly-transmissible>
36. "Tracking Omicron: why the variant is so infective." (NEWSY medica coverage, January 4, 2022)
<https://www.newsy.com/stories/tracking-omicron-why-the-variant-is-so-infectious/>
37. "Colorado hospital visitation rules often keep families from dying loved ones during the pandemic. Is there a better way?" (The Denver Post, February 14, 2022)
<https://www.denverpost.com/2022/02/14/hospital-visitation-during-covid-19-colorado-family/>
38. "Prominent Coloradans reflect on the lasting impact of COVID-19." (5280 – Denver's Mile High Magazine, March 29, 2022)
<https://www.5280.com/2022/03/prominent-coloradans-reflect-on-the-lasting-impacts-of-covid-19/>

■ Selected lectures (2006-2026)

1. "*Cutting edge research in posttraumatic neuroinflammation*". Grand Rounds Lecture, Department of Neurology, Charité University Medical Center, Berlin, Germany, January 2006.
2. "*Locked plating – Tips, tricks, and pitfalls*". Grand Rounds Lecture, Department of Orthopaedics, University of Colorado School of Medicine, The Children's Hospital, Denver, CO, June 5, 2006.
3. "*Shock and bleeding control*". Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, July 19, 2006.
4. "*The mangled limb – concepts of prehospital care*". Outreach lecture, Northglenn Ambulance, Denver, CO, July 25, 2006.
5. "*Traumatic Brain Injury – an inflammatory disease?*" Grand Rounds Lecture, Department of Orthopaedics, Research Division, University of Colorado School of Medicine, Denver, CO, July 27, 2006.
6. "*Timing of surgery in polytrauma: the European approach*". Grand Rounds Lecture, Department of Orthopaedics, University of Colorado School of Medicine, The Children's Hospital, Denver, CO, August 9, 2006.
7. "*The mangled limb – concepts of prehospital care*". Outreach lecture, Pridemark Ambulance, Denver, CO, August 21, 2006.

8. *"Fracture classification and concepts of fracture care"*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, August 23, 2006.
9. *"Concepts of hemorrhage control in polytrauma"*. 8th Annual Trauma/Burn Conference, North Colorado Medical Center, Greeley, CO, September 15, 2006.
10. *"Concepts of hemorrhage control in polytrauma"*. 19th Annual Congress of the European Society for Intensive Care Medicine (ESICM), Barcelona, Spain, September 25, 2006.
11. *"The role of complement-mediated neuroinflammation in traumatic brain injury"*. Interdisciplinary Grand Rounds Lecture, University of Zurich, Switzerland, September 26, 2006.
12. *"Current concepts of hemorrhage control in multiply injured patients"*. Interdisciplinary Grand Rounds Lecture, Great Plains Regional Medical Center, North Platte, NE, September 28, 2006.
13. *"Pathophysiology of ARDS"*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, October 11, 2006.
14. *"Personality of the injury"*. AO course for Operating Room Personnel, Phoenix, AZ, October 27-28, 2006.
15. *"Treatment options for femur nailing"*. AO course for Operating Room Personnel, Phoenix, AZ, October 27-28, 2006.
16. *"Priorities of surgery in polytrauma patients"*. Fall Trauma Conference, Mansfield Health Education Center, Billings, MT, November 2, 2006.
17. *"Concepts of bleeding control in polytrauma"*. Fall Trauma Conference, Mansfield Health Education Center, Billings, MT, November 2, 2006.
18. *"Polytrauma management: the European approach"*. Pediatric Trauma Conference, The Children's Hospital, University of Colorado School of Medicine, Denver, CO, December 7, 2006.
19. *"Neuroinflammation and neurodegeneration after traumatic brain injury,"* 7th World Congress on Trauma, Shock, Inflammation, and Sepsis (TSIS), Munich, Germany, March 15, 2007
20. *"Biomechanical principles of locking plates,"* Synthes Advanced Technology Symposium, Austin, TX, April 28, 2007
21. *"Treatment options for proximal femur fractures,"* Synthes Advanced Technology Symposium, Austin, TX, April 28, 2007
22. *"Indications and technique for external fixation,"* AO course for Operating Room Personnel, Denver, CO, May 19, 2007
23. *"Treatment options for proximal femur fractures,"* AO course for Operating Room Personnel, Denver, CO, May 19, 2007
24. *"The mangled limb: decision making for salvage vs amputation"*. Interdisciplinary Grand Rounds Lecture, Memorial Hospital, Douglas, WY, May 24, 2007.
25. *"Management of proximal tibia fractures"*. Synthes Advanced Technology Symposium, Cadaver Workshop, Denver, CO, June 2, 2007.
26. *"Bleeding control in polytrauma"*. Interdisciplinary Grand Rounds Lecture, Mercy Regional Medical Center, Durango, CO, June 29, 2007
27. *"The role of complement in traumatic brain injury"*. Grand Rounds Lecture, Departments of Immunology and Rheumatology, University of Colorado School of Medicine, Fitzsimons campus, Denver, CO, September 6, 2007.

28. *"Absence of CD59a leads to exacerbated neuroinflammation and neuropathology after experimental closed head injury in mice,"* 11th European Meeting on Complement in Human Disease, Cardiff, Wales, UK, September 9, 2007.
29. *"Locked plate fixation of proximal humerus fractures - is failure possible?"* Minimally Invasive Surgery Symposium, Keystone, CO, September 28, 2007.
30. *"Fracture classification – A guide to clinical decision making".* AO basic principles course, Denver, CO, October 4-7, 2007.
31. *"Technical errors leading to failure of fixation".* AO basic principles course, Denver, CO, October 4-7, 2007.
32. *"Priorities for fracture fixation in head-injured patients".* Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics, Texas Tech University Health Sciences Center, El Paso, TX, October 31, 2007.
33. *"Soft tissue injuries, compartment, crush".* Rio Grande Trauma Conference, El Paso, TX, November 1-2, 2007.
34. *"Vascular injuries and the mangled limb: salvage versus amputation".* Rio Grande Trauma Conference, El Paso, TX, November 1-2, 2007
35. *"Damage control orthopaedics".* Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics, St. Mary Corwin Hospital, Pueblo, CO, December 6, 2007.
36. *"The role of the complement system in neurotrauma".* Interdisciplinary Critical Care Grand Rounds Lecture, Denver Health Medical Center, Denver, CO, February 26, 2008.
37. *"Damage control surgery for bleeding pelvic fractures".* Annual Congress of the Slovenian Society of Trauma Surgeons, Portoroz, Slovenia, March 6-8, 2008.
38. *"Technique of abdominal packing".* Annual Congress of the Slovenian Society of Trauma Surgeons, Portoroz, Slovenia, March 6-8, 2008.
39. *"Management of abdominal trauma".* Advanced Trauma Life Support (ATLS®) provider course, Denver, CO, April 3, 2008.
40. *"Spine damage control".* Continuing Education Module for Stryker Spine, Denver, CO, April 15, 2008.
41. *"Priorities in polytrauma management".* Continuing Education Module, Department of Physical Medicine and Rehabilitation, Denver Health Medical Center, May 8, 2008.
42. *"Impact of traumatic brain injury on timing and modality of fracture fixation".* 14th Annual Congress of Orthopaedic Trauma, Sao Paulo, Brazil, May 15-17, 2008.
43. *"Failure of locked plating of proximal humerus fractures".* 14th Annual Congress of Orthopaedic Trauma, Sao Paulo, Brazil, May 15-17, 2008.
44. *"Locked plating – tips and tricks".* 14th Annual Congress of Orthopaedic Trauma, Sao Paulo, Brazil, May 15-17, 2008.
45. *"Tibial plateau fractures – advances in operative technique".* 14th Annual Congress of Orthopaedic Trauma, Sao Paulo, Brazil, May 15-17, 2008
46. *"Treatment options for complex proximal femur fractures".* 14th Annual Congress of Orthopaedic Trauma, Sao Paulo, Brazil, May 15-17, 2008
47. *"Current operative and non-operative concepts for bleeding control in severely injured patients".* Annual Congress of the Czech Society for Intensive Care Medicine, Prague, Czech Republic, June 4-6, 2008.
48. *"Spine Damage Control".* Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, June 11, 2008.

49. *"Pre-hospital management of orthopaedic injuries"*. 35th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 25/26, 2008.
50. *"Critical orthopaedic interventions in the polytrauma patient"*. 35th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 25/26, 2008.
51. *"Thoracolumbar spine trauma – overview"*. Stryker Symposium on Advanced Surgical Solutions in Treating Spinal Fractures, Seattle, WA, August 8, 2008.
52. *"Priorities in the management of polytrauma patients"*. AO Advanced Multispecialty Course for Operating Room Personnel, Denver, CO, September 27/28, 2008.
53. *"Indications for temporary stabilization of lower extremity fractures"*. National Association of Orthopaedic Nurses (NAON), Regional Symposium on Effective Management of Traumatic Hip Fracture and Lower Extremity Patients, Denver, CO, October 4, 2008.
54. *"Indications for locked plating of lower extremity fractures"*. National Association of Orthopaedic Nurses (NAON), Regional Symposium on Effective Management of Traumatic Hip Fracture and Lower Extremity Patients, Denver, CO, October 4, 2008.
55. *"Pelvic bleeding control"*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, October 15, 2008.
56. *"Influence of preoperative 7.5% hypertonic saline on neutrophil activation after reamed intramedullary nailing of femur shaft fractures – a prospective randomized pilot study"*. Podium presentation, 24th Annual Meeting of the Orthopaedic Trauma Association (OTA), Denver, CO, October 16, 2008.
57. *"Surgical Skills Station"*. Advanced Trauma Life Support (ATLS®) provider course, Denver, CO, October 23, 2008.
58. *"Classification and management strategies for thoracolumbar fractures"*. Stryker Spine Continuing Education Module, Portland, OR, November 7, 2008.
59. *"Orthopaedic Damage Control"*. Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics, Memorial Hospital, Colorado Springs, CO, November 13, 2008.
60. *"Orthopaedic Damage Control"*. Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics, University Hospital of New Mexico, Albuquerque, NM, January 28, 2009.
61. *"Principles of fracture care"*. Nursing Staff continuing education module, Denver Health Medical Center, February 17, 2009.
62. *"Spine damage control"*. Trauma Care Course for ICU Nursing Staff, Denver Health Medical Center, February 17, 2009.
63. *"Principles of fracture care"*. Nursing Staff continuing education module, Denver Health Medical Center, February 20, 2009.
64. *"Spine damage control"*. Trauma Care Course for ICU Nursing Staff, Denver Health Medical Center, February 20, 2009.
65. *"Hip fractures: Tips & tricks"*. Instructional Course Lecture (ICL), Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), Las Vegas, NV, February 26, 2009.
66. *"Locking plates: Tips & tricks"*. Instructional Course Lecture (ICL), Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), Las Vegas, NV, February 26, 2009.

67. *“Orthopaedic Trauma,”* 1st Year Medical Student Orientation, University of Colorado School of Medicine, Anschutz Campus, March 4, 2009.
68. *“Tibia IM nailing: Techniques for proximal and distal fractures”*. AO advanced course, Sun Valley, ID, March 15-20, 2009.
69. *“Humerus plating: indications and technique”*. AO advanced course, Sun Valley, ID, March 15-20, 2009.
70. *“Postoperative infection: management strategies”*. AO advanced course, Sun Valley, ID, March 15-20, 2009.
71. *“Shock: controversies and current concepts”*. Trauma Perspectives Interdisciplinary Symposium, Durango, CO, April 10/11, 2009.
72. *“Soft tissue injuries and compartment syndrome”*. Trauma Perspectives Interdisciplinary Symposium, Durango, CO, April 10/11, 2009.
73. *“Damage control orthopedics in the polytrauma patient”*. Interdisciplinary Grand Rounds Lecture, North Colorado Medical Center, Greeley, CO, April 14, 2009.
74. *“Spine damage control”*. Trauma Care Course for SICU and MICU Nursing Staff, Denver Health Medical Center, April 22, 2009.
75. *“Role of the complement cascade in traumatic brain injury”*. Grand Rounds Lecture, Department of Neurosurgery, University of Colorado School of Medicine, Anschutz Campus, Denver, CO, May 2009.
76. *“Locking plate principles”*. AO Continuing Education bioskills workshop for Operating Room Personnel, Denver Health Medical Center, June 13, 2009.
77. *“The rationale of spine damage control”*. 36th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 16-19, 2009.
78. *“Diagnosis and monitoring of bleeding”*. Advanced Bleeding Care in Trauma (ABC-Trauma) task force meeting, Paris, France, June 21-22, 2009.
79. *“Advanced protocols for treatment of supracondylar femur fractures”*. Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics, San Francisco General Hospital, University of California at San Francisco, CA, June 27, 2009.
80. *“Timing and modality of fracture fixation in traumatic brain injury”*. Interdisciplinary Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics and Department of Neurosurgery, San Francisco General Hospital, University of California at San Francisco, CA, June 28, 2009.
81. *“External fixation of tibial fractures”*. Lecture and hands-on workshop, 25th Annual Meeting of the Orthopaedic Trauma Association (OTA), San Diego, CA, October 7-10, 2009.
82. *“Thoracolumbar spine fractures”*. Lecture and hands-on workshop, 25th Annual Meeting of the Orthopaedic Trauma Association (OTA), San Diego, CA, October 7-10, 2009.
83. *“Strategies for prevention of wrong site surgery”*. Annual Meeting of the German Society of Vascular Surgeons, Munich, Germany, Oct 15-17, 2009.
84. *“History of AO and principles of fracture care”*. AO basic principles course, Phoenix, AZ, January 14-17, 2010.
85. *“Ankle fractures”*. AO basic principles course, Phoenix, AZ, January 14-17, 2010.
86. *“Polytrauma”*. AO basic principles course, Phoenix, AZ, January 14-17, 2010.
87. *“The rationale of damage control orthopaedics”*. Interdisciplinary Grand Rounds Lecture and Outreach Teleconference Lecture, Denver Health Medical Center, Denver, CO, January 20, 2010.

88. *"Hip fractures: Tips & tricks"*. Instructional Course Lecture (ICL), Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), New Orleans, LA, January 28, 2010.
89. *"Spine lesions: when to operate and why"*. 5th Annual Trauma Update Symposium, Bologna, Italy, February 12-13, 2010.
90. *"Postinjury coagulopathy: current concepts and controversies"*. 5th Annual Trauma Update Symposium, Bologna, Italy, February 12-13, 2010.
91. *"Ankle fractures – current concepts"*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, February 17, 2010.
92. *"Patient Safety in Surgery"*. Interdisciplinary Grand Rounds Lecture (AO visiting professor), Department of Orthopaedics and Department of Surgery, Geisinger Medical Center, Danville, PA, February 24, 2010.
93. *"Spine damage control in multiply injured patients – preliminary data"*. 2nd Annual Musculoskeletal Research Symposium, Department of Orthopaedics, University of Colorado School of Medicine, April 10, 2010.
94. *"Direct posterior Lobenhoffer approach for fixation of posteromedial tibial plateau fracture fragments"*. 2nd Annual Musculoskeletal Research Symposium, Department of Orthopaedics, University of Colorado School of Medicine, April 10, 2010.
95. *"Prevention of wrong site surgery"*. 37th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 15-18, 2010.
96. *"The rationale of damage control orthopaedics"*. Interdisciplinary Grand Rounds Lecture, Christus St. Vincent Hospital, Santa Fe, NM, June 29, 2010.
97. *"Quality assurance in orthopaedics"*. Presentation at the Patient Safety and Quality Executive Committee meeting, Denver Health Medical Center, July 8, 2010.
98. *"The mangled extremity: limb salvage or amputation?"* Interdisciplinary Grand Rounds Lecture, Aspen Valley Medical Center, Aspen, CO, July 27, 2010.
99. *"Management of unstable spine fractures"*. 17th Annual Congress of the Brazilian Society of Orthopaedics, Chapter of Minas Gerais, Belo Horizonte, Brazil, August 11-14, 2010.
100. *"Priorities of fracture fixation in head-injured patients"*. 17th Annual Congress of the Brazilian Society of Orthopaedics, Chapter of Minas Gerais, Belo Horizonte, Brazil, August 11-14, 2010.
101. *"Options in hip fracture fixation"*. 17th Annual Congress of the Brazilian Society of Orthopaedics, Chapter of Minas Gerais, Belo Horizonte, Brazil, August 11-14, 2010.
102. *"Wrong site surgery in orthopaedics: fact or fiction?"*. 98th Annual Meeting of the Clinical Orthopaedic Society, Denver, CO, September 23-25, 2010.
103. *"Current implants and techniques of fracture fixation"*. AO Multispecialty Course for Co-Managed Care of the Geriatric Fracture Patient – A Multidisciplinary Approach, Scottsdale, AZ, September 30-October 2, 2010.
104. *"Failed proximal humerus fractures – etiology and solutions"*. AO Multispecialty Course for Co-Managed Care of the Geriatric Fracture Patient – A Multidisciplinary Approach, Scottsdale, AZ, September 30-October 2, 2010.
105. *"Failed trochanteric nailing and revisions"*. AO Multispecialty Course for Co-Managed Care of the Geriatric Fracture Patient – A Multidisciplinary Approach, Scottsdale, AZ, September 30-October 2, 2010.

106. *"Spine damage control: A safe and effective treatment modality for unstable spine fractures in multiply injured patients"*. Podium presentation, Annual Meeting of the Orthopaedic Trauma Association (OTA), Baltimore, MD, October 16, 2010.
107. *"Current strategies in the management of traumatic coagulopathy"*. Interdisciplinary Trauma and Critical Care Conference, Durango, CO, October 22-23, 2010.
108. *"Tips and tricks in hip fracture fixation"*. Interdisciplinary Trauma and Critical Care Conference, Durango, CO, October 22-23, 2010.
109. *"A quality success story – Innovations in patient safety"*. American Medical Association (AMA), Organized Medical Staff Section (OMSS), Invited key note lecture, San Diego, CA, November 4, 2010.
110. *"Direct posterior Lobenhoffer approach for fixation of posteromedial tibial plateau fracture fragments: A pilot study in 26 consecutive patients"*. AONA Multispecialty Symposium on Challenges in Fracture Care across Disciplines, Phoenix, AZ, November 11-13, 2010.
111. *"Checklists for patient safety"*. Lecture for midmanagers at Denver Health, January 12, 2011.
112. *"Checklists for patient safety"*. Lecture for midmanagers at Denver Health, January 26, 2011.
113. *"Musculoskeletal Trauma"*. Instructional lecture, ATLS® provider course, Denver Health, February 9, 2011.
114. *"Strategies to prevent wrong site surgery"*. AORN symposium, Denver Health, February 10, 2011.
115. *"Hip fractures: Tips, tricks, and pitfalls"*. Instructional Course Lecture (ICL), Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), San Diego, CA, February 16, 2011.
116. *"Quality assurance in orthopaedics"*. Presentation at the High Value Health Collaborative meeting, Denver Health Medical Center, February 21, 2011.
117. *"The role of natural antibodies in the pathophysiology of traumatic brain injury"*. Poster presentation at the Translational Neuroscience Conference, University of Denver (DU), March 4, 2011.
118. *"Never events and always events – Liability, defense, and safety implications"*. Invited lecture, Crittenden Medical Insurance Conference, Naples, FL, April 11, 2011.
119. *"Timing of spine fracture fixation"*. Invited lecture, 17th European Congress of Trauma and Emergency Surgery (ESTES), Milan, Italy, April 30, 2011.
120. *"Pelvic injuries"*. Invited lecture, 3rd Annual Western Colorado Trauma Conference, Delta, CO, May 20, 2011.
121. *"Soft tissue injuries and compartment syndrome"*. 38th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 23, 2011.
122. *"Damage control orthopedics in the polytrauma patient"*. 38th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 23, 2011.
123. *"Damage control – when and how?"* Advanced AO Trauma Course for Decision Making in Polytrauma, Cartagena, Colombia, July 13-16, 2011.
124. *"Head injury and implications for a 2nd hit"*. Advanced AO Trauma Course for Decision Making in Polytrauma, Cartagena, Colombia, July 13-16, 2011.

125. *"Management of open fractures and the mangled limb in the polytrauma patient"*. Advanced AO Trauma Course for Decision Making in Polytrauma, Cartagena, Colombia, July 13-16, 2011.
126. *"What's new in inflammation research for TBI?"* Grand rounds teleconference outreach lecture, Denver Health Medical Center, July 20, 2011.
127. *"Management of pelvic fractures"*. Conference - Case Studies in Trauma: How the System Should Work. Steamboat, CO, September 23, 2011.
128. *"Soft tissue injuries and compartment syndrome"*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, September 28, 2011.
129. *"Preventing postoperative infections"*. AONA basic principles course, Las Vegas, NV, November 3-6, 2011.
130. *"Distal femur fracture"*. AONA basic principles course, Las Vegas, NV, November 3-6, 2011.
131. *"The Role of Neuroinflammation in Traumatic Brain Injury"*. Grand rounds lecture, Department of Physical Medicine and Rehabilitation, University of Colorado School of Medicine, Anschutz Campus, January 4, 2012.
132. *"Management of Orthopaedic Trauma – The Denver Health Perspective."* Outreach lecture, East Grand Community Clinic and Emergency Center, Winter Park, CO, January 10, 2012.
133. *"Orthopaedic QA Process."* Patient safety lecture, Denver Health Medical Center, Denver CO, March 8, 2012.
134. *"Challenging the role of adaptive immunity in neurotrauma: Rag1-/- mice lacking mature B and T cells do not show neuroprotection after closed head injury."* Abstract lecture, International Brain Injury Association's 9th World Congress on Brain Injury, Edinburgh, Scotland, March 23, 2012.
135. *"Acute management of spinal injuries in the ski resort setting."* Outreach lecture, East Grand Community Clinic and Emergency Center, Winter Park, CO, April 18, 2012.
136. *"Disclosure and reporting of surgical complications."* Grand Round lecture, Department of Surgery, University of California Los Angeles (UCLA) School of Medicine, April 25, 2012.
137. *"Polytrauma Definition – The Denver Perspective."* International Consensus Conference on the Definition of Polytrauma, Berlin, Germany, May 11-12, 2012.
138. *"Update on the Orthopaedic Department at Denver Health."* Director of Service lecture, Denver Health Medical Center, Denver CO, May 24, 2012.
139. *"Acute management of pelvic ring injuries."* AONA Basic Principles and Techniques of Operative Fracture Management Course, Marco Island, FL, June 7, 2012.
140. *"Violation of AO principles: How not to do AO."* AONA Basic Principles and Techniques of Operative Fracture Management Course, Marco Island, FL, June 8, 2012.
141. *"Debate Forum: Limb Salvage vs. Amputation – Pros and Cons."* Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 27, 2012.
142. *"Fracture Classification and Concepts for Fracture Fixation."* Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 28, 2012.
143. *"Musculoskeletal Trauma."* ATLS® Provider Course, Denver Health Medical Center, Denver CO, July 25, 2012.

144. *"Hip Fractures: Tips, Tricks and Pitfalls."* 1st Denver Health Orthopaedic Trauma Conference, Beaver Creek, CO, August 4/5, 2012.
145. *"Pulmonary Problems in Orthopaedic Trauma."* 1st Denver Health Orthopaedic Trauma Conference, Beaver Creek, CO, August 4/5, 2012.
146. *"Acute Management of Ankle Fractures."* 1st Denver Health Orthopaedic Trauma Conference, Beaver Creek, CO, August 4/5, 2012.
147. *"Fixation of Proximal and Distal Tibia Fractures: Tips and Tricks."* 1st Denver Health Orthopaedic Trauma Conference, Beaver Creek, CO, August 4/5, 2012.
148. *"Do the Current Patient Safety Protocols Keep Our Patients Safe?"* 1st Denver Health Orthopaedic Trauma Conference, Beaver Creek, CO, August 4/5, 2012.
149. *"Advances in Technique for Tibial Plateau Fractures."* University of New Mexico (UNM) Grand Rounds Lecture, Albuquerque, NM, August 15, 2012.
150. *"Damage control orthopaedics in the polytrauma patient."* Longmont United Hospital, Longmont, CO, August 17, 2012.
151. *"The impact of neurotrauma in multiply injured patients"*. 1^o Politrauma Seminario AO Trauma, Curitiba, Brazil, September 6/7, 2012.
152. *"Life saving surgery: What comes first?"*. 1^o Politrauma Seminario AO Trauma, Curitiba, Brazil, September 6/7, 2012.
153. *"Pelvic packing versus angioembolization for pelvic ring injuries"*. 1^o Politrauma Seminario AO Trauma, Curitiba, Brazil, September 6/7, 2012.
154. *"Devastating Pelvic Trauma"* (Co-chair). Clinical Congress of the American College of Surgeons (ACS), Chicago, IL, October 3, 2012.
155. *"Priorities in the Management of Polytrauma Patients"*. Annual Conference for ICU Nurses, Denver Health Medical Center, Denver, CO, October 12, 2012.
156. *"Inflation osteoplasty for tibial plateau fractures – Tips and tricks"*. Workshop for inflation osteoplasty technique, Las Vegas, NV, October 21, 2012.
157. *"Adaptive immunity and natural antibodies in traumatic brain injury"*. Interdisciplinary rheumatology symposium, University of Colorado Anschutz Campus, Denver, CO, December 4, 2012.
158. *"Proximal humerus fractures: tips, tricks, and pitfalls"*. Curso Teorico & Pratico de Osteossintese, Campinas, Brazil, December 14, 2012.
159. *"Management strategies for bleeding pelvic fractures"*. Curso Teorico & Pratico de Osteossintese, Campinas, Brazil, December 14, 2012.
160. *"Current concepts for distal femur fractures"*. Curso Teorico & Pratico de Osteossintese, Campinas, Brazil, December 15, 2012.
161. *"Management strategies for trochanteric femur fractures"*. Curso Teorico & Pratico de Osteossintese, Campinas, Brazil, December 15, 2012.
162. *"Limb salvage strategies for open fractures and the mangled extremity"*. Curso Teorico & Pratico de Osteossintese, Campinas, Brazil, December 15, 2012.
163. *"Innovative new concepts for tibial plateau fractures"*. Curso Teorico & Pratico de Osteossintese, Campinas, Brazil, December 15, 2012.
164. *"The concept and rationale for spine damage control"*. 26th Annual Neurosurgery in the Rockies Conference, Beaver Creek, CO, February 27, 2013.
165. *"Patient safety in surgery: Current concepts and challenges"*. The Institute for Health Metrics Continuing Education Program, Live webinar lecture, April 2, 2013.
166. *"Advances in technique for tibial plateau fractures"*. California Orthopaedic Association (COA) Annual Meeting, Los Angeles, CA, April 20, 2013.

167. *"Timing of fracture fixation: How to decide if the patient or limb is "too sick" for definitive care."* 1st Orthopaedic Trauma Association (OTA) Acute Orthopaedic Trauma Care Course (AOTCC), Denver, CO, May 4, 2013.
168. *"Fracture classification: A guide or clinical decision-making."* AO Trauma Course for Advances in Operative Fracture Management, Jaipur, India, June 14, 2013.
169. *"Complex humeral shaft fractures: How to fix them?"* AO Trauma Course for Advances in Operative Fracture Management, Jaipur, India, June 14, 2013.
170. *"Timing and modality of surgery in head-injured patients."* AO Trauma Course for Advances in Operative Fracture Management, Jaipur, India, June 15, 2013.
171. *"Mangled extremity: Limb salvage versus amputation."* AO Trauma Course for Advances in Operative Fracture Management, Jaipur, India, June 16, 2013.
172. *"Infections after fracture fixation: Concepts in prevention and management."* AO Trauma Course for Advances in Operative Fracture Management, Jaipur, India, June 16, 2013.
173. *"Acute Management of Orthopaedic Trauma Debate: Pro Damage Control."* 40th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, June 26, 2013.
174. *"Mice with genetic deficiency for complement receptor type 2 (CR2) show neuroprotection after experimental closed head injury".* 2nd International Congress of the World Society of Emergency Surgery (WSES), Bergamo, Italy, July 9, 2013.
175. *"Damage Control Orthopaedics".* 2nd International Congress of the World Society of Emergency Surgery (WSES), Bergamo, Italy, July 9, 2013.
176. *"Proximal and distal tibia fractures – Tips & tricks."* 2nd Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 4, 2013.
177. *"Risk".* Expert debate panel, Annual Reunion of the University of Zurich Alumni Association, Zurich, Switzerland, August 31, 2013.
178. *"Definition of polytrauma".* 3^{er} Curso de Trauma, Medellin, Colombia, September 5, 2013.
179. *"Surgical priorities in polytrauma management".* 3^{er} Curso de Trauma, Medellin, Colombia, September 5, 2013.
180. *"Pelvic packing versus angioembolization".* 3^{er} Curso de Trauma, Medellin, Colombia, September 6, 2013.
181. *"Technical strategies for articular fracture reduction".* 3^{er} Curso de Trauma, Medellin, Colombia, September 6, 2013.
182. *"The direct posterior approach to posteromedial tibial plateau fractures."* 3^{er} Curso de Trauma, Medellin, Colombia, September 6, 2013.
183. *"Prevention and management strategies for surgical site infections."* 3^{er} Curso de Trauma, Medellin, Colombia, September 6, 2013.
184. *"The Orthopedic Quality Assurance Process".* Denver Health Medical Center, Denver, CO, October 10, 2013.
185. *"The rationale of orthopaedic damage control".* 61st Annual Detroit Trauma Symposium, Detroit, MI, November 15, 2013.
186. *"Current concepts in the management of acute spine injuries".* 61st Annual Detroit Trauma Symposium, Detroit, MI, November 15, 2013.
187. *"Geriatric Fracture Program – 'Shark Tank' presentation".* Denver Health Medical Center, Denver, CO, November 19, 2013.

188. "*Ankle fractures – Tips & tricks*". Lecture and hands-on workshop, 55th Annual Meeting of the Society of Military Orthopaedic Surgeons (SOMOS), Vail, CO, December 10, 2013.
189. "*Surgical priorities in the management of orthopaedic injuries in the polytrauma patient*". Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, December 18, 2013.
190. "*Acute management of pelvic fractures*". CME grand rounds, Boulder Community Hospital, Boulder, CO, December 19, 2013.
191. "*The concept and rationale of spine damage control*". Annual Meeting of the Montana Orthopedic Society, Big Sky, MT, January 17-19, 2014.
192. "*The timing of fracture fixation in multiply injured patients*". Annual Meeting of the Montana Orthopedic Society, Big Sky, MT, January 17-19, 2014.
193. "*Acute management of pelvic ring injuries*". Annual Meeting of the Montana Orthopedic Society, Big Sky, MT, January 17-19, 2014.
194. "*Overview on the Department of Orthopedics at Denver Health*". Lecture to international visiting physician expert group, Department of Surgery, Denver Health, Denver, CO, February 26, 2014.
195. "*Patient Safety in Surgery – Basic Concepts for Residents in Training*". Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, February 26, 2014.
196. "*Soft tissue injuries and compartment syndrome*". AONA Basic Principles and Techniques of Operative Fracture Management Course, La Jolla, CA, March 20-23, 2014.
197. "*Special fracture problems*". AONA Basic Principles and Techniques of Operative Fracture Management Course, La Jolla, CA, March 20-23, 2014.
198. "*Patient safety in surgery – current challenges and future perspectives.*" 41st Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, July 9, 2014.
199. "*Patient Safety in Surgery Debate: Pro Surgical Safety Checklists.*" 41st Annual Rocky Mountain Trauma & Emergency Medicine Conference, Breckenridge, CO, July 9, 2014.
200. "*Trauma – Is it really an emergency or can it wait until tomorrow?*" 3rd Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 9, 2014.
201. "*Tibial plateau fractures: What's new?*" 3rd Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 9, 2014.
202. "*Tibial shaft fractures.*" Panel discussion, 3rd Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 9, 2014.
203. "*Locked plating for proximal humerus fractures: Tips, tricks, and pitfalls.*" 3rd Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 9, 2014.
204. "*Case presentations of successes and failures – what would you do next?*" Session moderator, 3rd Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 9, 2014.
205. "*Update on the Orthopaedic Department at Denver Health.*" Director of Service lecture, Denver Health Medical Center, Denver, CO, September 8, 2014.
206. "*Pathophysiology of Trauma.*" 102nd Annual Meeting of the *Clinical Orthopaedic Society (COS)*, Colorado Springs, CO, September 11, 2014.

207. *“Current Challenges for Patient Safety in Surgery.”* 116th Annual Congress of the Italian Surgical Society (SIC), Rome, Italy, October 13, 2014.
208. *Multidisciplinary Quality Improvement Conference (MQIC)* presentation, Denver Health, Denver, CO, April 13, 2105.
209. *“Business Opportunities in Orthopedics.”* Denver Health Joint Strategy Team executive presentation, Denver, CO, April 16, 2015.
210. *“The fixation of fractures in presence of an open abdomen after ‘damage control’ laparotomy is not associated with an increased postoperative infection rate.”* 16th European Congress of Trauma & Emergency Surgery (ECTES), Amsterdam, Netherlands, May 10, 2015.
211. *“Initial assessment and management of spine injuries.”* Advanced Trauma Life Support (ATLS®) provider course, Denver, CO, July 17, 2015.
212. *“Definition of polytrauma and surgical priorities in multiply injured patients”.* Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, July 29, 2015.
213. *“Subtrochanteric femur fractures: the not-so-easy to fix fracture”.* 4th Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 8, 2015.
214. *“The direct posterior approach for complex tibial plateau fractures”.* 4th Annual Rocky Mountain Orthopedic Trauma Conference, Beaver Creek, CO, August 8, 2015.
215. *Multidisciplinary Quality Improvement Conference (MQIC)* presentation, Denver Health, Denver, CO, August 11, 2015.
216. *“Fracture reduction techniques”.* AONA Basic Principles and Techniques of Operative Fracture Management Course, Bellevue, WA, August 13, 2015.
217. *“Infection after fracture fixation: preventive measures and management strategies”.* AONA Basic Principles and Techniques of Operative Fracture Management Course, Bellevue, WA, August 16, 2015.
218. *“Interactive case discussion: how would you manage this complex injury?”* AO Faculty Education Program, San Diego, CA, October 5, 2015.
219. *“Fracture classification – a guide to clinical decision-making”.* AO Faculty Education Program, San Diego, CA, October 5, 2015.
220. *Multidisciplinary Quality Improvement Conference (MQIC)* presentation, Denver Health, Denver, CO, October 13, 2015.
221. *“The rationale of damage control orthopedics”.* Grand rounds lecture, Department of Surgery, University of Florida, Jacksonville, FL, October 28, 2015.
222. *“What are the non-technical skills required to become a good surgeon?”* Lecture to pre-med students, CU Denver, Auraria campus, Denver, CO, November 17, 2015.
223. *“Fracture reduction techniques”.* AONA Advanced Techniques of Operative Fracture Management Course, Hollywood, CA, November 19, 2015.
224. *“Current treatment concepts for midfoot injuries”.* AONA Advanced Techniques of Operative Fracture Management Course, Hollywood, CA, November 21, 2015.
225. *“Quality improvement in orthopedics”.* Executive Committee on Patient Safety and Quality presentation, Denver Health, Denver, CO, December 10, 2015.
226. *“Current management strategies for bleeding pelvic fractures”.* Outreach lecture, EMS/Fire Rescue, Boulder, CO, December 12, 2015.

227. *“Current challenges in patient safety in surgery”*. Resident teaching curriculum lecture, Department of Orthopedics, University of Florida, Jacksonville, FL, December 16, 2015.
228. *Multidisciplinary Quality Improvement Conference (MQIC)* presentation, Denver Health, Denver, CO, January 12, 2016.
229. *Management of musculoskeletal injuries*. Advanced Trauma Life Support (ATLS®) provider course, Denver Health, Denver, CO, April 13, 2016.
230. *“Current concepts in the management of midfoot injuries”*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, May 11, 2016.
231. *“Shared decision-making: The surgeon’s perspective”*. Annual PIAA Medical Liability Conference, Washington, DC, May 12, 2016.
232. *“Soft tissue injuries”*. AONA Basic Principles of Fracture Management Course, San Diego, CA, June 2, 2016.
233. *“Violation of AO principles”*. AONA Basic Principles of Fracture Management Course, San Diego, CA, June 5, 2016.
234. *“Initial assessment and management by ATLS protocol.”* Advanced Trauma Life Support (ATLS®) provider course, Denver, CO, June 15, 2016.
235. *“Current challenges in patient safety in surgery.”* 43rd Annual Rocky Mountain Trauma & Emergency Medicine Conference, Denver, CO, June 18, 2016.
236. *“Timing of fracture fixation in polytrauma patients”*. Lecture to orthopaedic residents as part of the weekly continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Denver, CO, July 13, 2016.
237. *“Patient safety education for the next generation of surgeons”*. 1st inaugural National Surgical Patient Safety Summit (NSPSS), co-sponsored by ACS/AAOS, Rosemont, IL, August 5, 2016.
238. *“The habits of highly successful surgeons: Communication skills and time management strategies”*. Annual Meeting of the Orthopaedic Trauma Association (OTA), National Harbor, MD, October 8, 2016.
239. *“Principles of articular fracture management for lower extremity injuries”*. AONA Basic Principles of Fracture Management Course, Vancouver, BC, October 29, 2016.
240. *“Radiographic evaluation and classification of pelvic ring disruptions”*. AONA Basic Principles of Fracture Management Course, Vancouver, BC, October 30, 2016.
241. *“Effective time management strategies for orthopaedic surgeons”*. Distinguished visiting speaker, quarterly Surgeon Masters Symposium, Palm Springs, CA, January 12, 2017.
242. *“How to know our own complication rates without lying to our patients”*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 19, 2017.
243. *“What is the role of pelvic packing”*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 20, 2017.
244. *“What is a patient advocate”*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 20, 2017.
245. *“Why our current patient safety protocols are unsafe”*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 21, 2017.

246. *"Debate: Surgical safety checklists – pros and cons"*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 21, 2017.
247. *"Learning empathy: Pearls & discussion"*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 22, 2017.
248. *"Learning accountability: Pearls & discussion"*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 22, 2017.
249. *"Learning positive attitude: Pearls & discussion"*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 22, 2017.
250. *"Learning communication skills: Pearls & discussion"*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 22, 2017.
251. *"Learning time management: Pearls & discussion"*. 7th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, January 22, 2017.
252. *"The role of innate immunity in the pathophysiology of severe TBI"*. 30th Annual Neurosurgery in the Rockies Conference, Beaver Creek, CO, March 1, 2017.
253. *"Current challenges in patient safety in surgery"*. 30th Annual Neurosurgery in the Rockies Conference, Beaver Creek, CO, March 2, 2017.
254. *"Prehospital management of acute femur fractures."* Outreach lecture, East Grand Community Clinic and Emergency Center, Winter Park, CO, March 7, 2017.
255. *"The rationale for damage control orthopedics."* David Harder Visiting Professorship Grand Rounds lecture, Royal Columbia Hospital, University of British Columbia, Vancouver, BC, April 5, 2017.
256. *"Current challenges in patient safety in surgery."* Department of Orthopedics, Royal Columbia Hospital, University of British Columbia, Vancouver, BC, April 6, 2017.
257. *"The role of pelvic packing for hemodynamically unstable pelvic ring injuries."* Annual meeting, Western Slope Chapter of the Western Orthopaedic Association (WOA), Grand Junction, CO, April 14, 2017.
258. *"The rationale of pelvic packing."* 44th Annual Rocky Mountain Trauma & Emergency Medicine Conference, Beaver Creek, CO, June 15, 2017.
259. *"Acute management of bleeding pelvic fractures."* Lecture to orthopaedic residents as part of the continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Aurora, CO, July 12, 2017.
260. *"Principles of external fixation."* Weekly teaching round lecture for residents and medical students, Department of Orthopaedics, Denver Health Medical Center, Denver, CO, July 21, 2017.
261. *"Priorities of fracture fixation in polytrauma patients."* Weekly teaching round lecture for residents and medical students, Department of Orthopaedics, Denver Health Medical Center, Denver, CO, July 27, 2017.
262. *"Challenges in Patient Safety in Surgery."* Lecture to orthopaedic residents as part of the continuing education curriculum, Department of Orthopaedics, University of Colorado School of Medicine, Aurora, CO, August 2, 2017.

263. *“Management strategies for proximal humerus fractures.”* Weekly teaching round lecture for residents and medical students, Department of Orthopaedics, Denver Health Medical Center, Denver, CO, July 27, 2017.
264. *“The definition of polytrauma – what’s new in 2017?”* 5^o Curso de Trauma, Controversias en Trauma, Medellin, Colombia, August 10, 2017.
265. *“The technique of pelvic packing, step-by-step.”* 5^o Curso de Trauma, Controversias en Trauma, Medellin, Colombia, August 10, 2017.
266. *“Why our current patient safety protocols are unsafe.”* 5^o Curso de Trauma, Controversias en Trauma, Medellin, Colombia, August 11, 2017.
267. *“The hypoxemic patient with femur fracture – what can we do now?”* 5^o Curso de Trauma, Controversias en Trauma, Medellin, Colombia, August 11, 2017.
268. *“Treatment of humeral shaft fractures.”* Weekly teaching round lecture for residents and medical students, Department of Orthopaedics, Denver Health Medical Center, Denver, CO, August 15, 2017.
269. *“Overview on the techniques of fracture reduction.”* Weekly teaching round lecture for residents and medical students, Department of Orthopaedics, Denver Health Medical Center, Denver, CO, September 5, 2017.
270. *“Current challenges in patient safety: Can we reduce preventable patient deaths to ZERO by 2020?”* COPIC Annual Patient Safety & Risk Management Forum, Denver, CO, October 5, 2017.
271. *“Successful practices for surgeon wellness”* 33rd Annual Meeting of the Orthopaedic Trauma Association (OTA), Vancouver, BC, Canada, October 14, 2017.
272. *“Controversies in patient safety and ethics”* 33rd Annual Meeting of the Orthopaedic Trauma Association (OTA), Vancouver, BC, Canada, October 13, 2017.
273. *“Preperitoneal pelvic packing for acute hemorrhage control is not associated with an increased risk of infection after anterior pelvic ring fixation”* Podium presentation, 33rd Annual Meeting of the Orthopaedic Trauma Association (OTA), Vancouver, BC, Canada, October 13, 2017.
274. *“How to write and publish a book.”* 8th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, February 1, 2018.
275. *“Hip fracture fixation: technical tips and tricks.”* 8th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, February 2, 2018.
276. *“Patient satisfaction in surgery: the Holy Grail or fool’s gold?”* 8th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, San Diego, CA, February 2, 2018.
277. *“Surgical fracture reduction techniques: respecting the behavior of bone.”* AO Basic Principles of Fracture Management for Residents, Birmingham, AL, March 1, 2018.
278. *“Management of ankle fractures: tips and tricks.”* AO Basic Principles of Fracture Management for Residents, Birmingham, AL, March 1, 2018.
279. *“Surgical priorities in multiply injured patients.”* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, March 22, 2018.
280. *“Basic principles of fracture classification – a key to clinical decision-making.”* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, April 3, 2018.

281. *"Teamwork: Achieving success through strong personal relationships."* Front Line Leader Collaborative Meeting, HCA Leadership Institute, Denver, CO, April 17, 2018.
282. *"Pelvic packing: Indications and technique."* 18th Annual National Congress of Orthopaedics and Traumatology, Mexico City, Mexico, April 27, 2018.
283. *"What's new in tibial plateau fracture fixation?"* 18th Annual National Congress of Orthopaedics and Traumatology, Mexico City, Mexico, April 27, 2018.
284. *"The rationale for Damage Control Orthopedics."* 18th Annual National Congress of Orthopaedics and Traumatology, Mexico City, Mexico, April 27, 2018.
285. *"Soft tissue injuries and compartment syndrome."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, May 3, 2018.
286. *"CMO Front Line Leader Collaborative."* HCA Continental Division, Culture of Excellence Steering Committee meeting, Denver, CO, May 14, 2018.
287. *"Classification and management strategies for spine injuries."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, June 19, 2018.
288. *"Hemorrhage control in acute pelvic fractures."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, July 26, 2018.
289. *"Advanced Trauma Life Support for the on-call orthopedist."* 1st Rocky Mountain Orthopedic Trauma Symposium, Vail, CO, September 21, 2018.
290. *"Early definitive fracture fixation vs damage control orthopedics: What's the right choice for my patient?"* 1st Rocky Mountain Orthopedic Trauma Symposium, Vail, CO, September 21, 2018.
291. *"Assessment and management of shock."* Advanced Trauma Life Support (ATLS[®]) provider course, Swedish Medical Center, Englewood, CO, September 28, 2018.
292. *"How to review a surgical paper."* Journal Club for RVU medical students, North Suburban Medical Center, October 3, 2018.
293. *"Current challenges for patient safety in surgery."* Surgical Grand Rounds, Department of Surgery, University of Zurich, Switzerland, October 23, 2018.
294. *"Overview and introduction to basic principles."* AO Basic Principles of Fracture Management for Residents, Chicago, IL, November 1, 2018.
295. *"Polytrauma management."* AO Basic Principles of Fracture Management for Residents, Chicago, IL, November 3, 2018.
296. *"Patient Safety in Surgery."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, December 4, 2018.
297. *"Acute management of bleeding pelvic fractures."* Winter Trauma Conference, Eagle County Paramedic Services, Vail, CO, December 12, 2018.
298. *"Physician Leadership."* 9th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, January 17, 2019.
299. *"Coordination of care: high-energy pelvic fractures."* 9th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, January 17, 2019.
300. *"Principles of pelvic packing for acute hemorrhage control."* 9th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, January 19, 2019.

301. *"How to become a surgeon?"* Presentation to high school students from the Junior Achievement Program, North Suburban Medical Center, Thornton, CO, January 25, 2019.
302. *"What does it take to become a surgeon?"* Interactive workshop for OMS-I and OMS-II medical students, Rocky Vista University, College of Osteopathic Medicine, Parker, CO, February 21, 2019.
303. *"Initial assessment and management of the trauma patient"* Advanced Trauma Life Support (ATLS®) provider course, Swedish Medical Center, Englewood, CO, March 1, 2019.
304. *"Pelvic fractures."* Journal Club for RVU medical students, North Suburban Medical Center, March 20, 2019.
305. *"What's the latest with blood parameters in polytrauma: evidence-based facts."* AO Trauma India National Conference, Chandigarh, April 20, 2019.
306. *"Protocolized polytrauma management."* AO Trauma India National Conference, Chandigarh, April 20, 2019.
307. *"Complex lower limb trauma."* AO Trauma India National Conference, Chandigarh, April 21, 2019.
308. *"Technique of pelvic packing."* AO Trauma India National Conference, Chandigarh, April 21, 2019.
309. *"The disruptive surgeon: mitigation strategies by collegial intervention."* American Alliance of Orthopaedic Executives (AAOE) Annual Conference, Nashville, TN, May 7, 2019.
310. *"Management of fractures and orthopedic emergencies."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, August 20, 2019.
311. *"Is it important to define polytrauma?"* 6° Curso de Trauma, Medellin, Colombia, August 22, 2019.
312. *"What's new in pelvic fracture classification?"* 6° Curso de Trauma, Medellin, Colombia, August 22, 2019.
313. *"The history of risk – implications for shared decision-making with patients."* 6° Curso de Trauma, Medellin, Colombia, August 23, 2019.
314. *"The risks of evidence-based medicine for surgical innovation and patient safety."* 6° Curso de Trauma, Medellin, Colombia, August 23, 2019.
315. *"The principles of Enhanced Surgical Recovery (ESR)."* HCA Continental Division Annual Pharmacy Summit, Denver, CO, September 17, 2019.
316. *"The perfect time-out – analogy to the 'sterile cockpit' in professional aviation."* North Suburban Medical Center Medical Staff Executive Committee annual retreat, Vail, CO, October 5, 2019.
317. *"Surgical priorities in multiply injured patients."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, October 14, 2019.
318. *"Priorities in polytrauma management."* EMS trauma lecture series "From the Bus to the Burb", North Suburban Medical Center, Thornton, CO, November 20, 2019.
319. *"Resuscitation strategies for bleeding pelvic fractures."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, November 25, 2019.
320. *"Delayed presentation in polytrauma patients."* SICOT 40th Orthopaedic World Congress, Muscat, Oman, December 7, 2019.

321. *"Principles and priorities in polytrauma management."* Journal Club for RVU medical students, North Suburban Medical Center, December 11, 2019.
322. *"Spine damage control."* Monthly trauma lecture series for ICU nursing staff, North Suburban Medical Center, Thornton, CO, December 17, 2019.
323. *"Surgical reduction techniques: respecting the behavior of bone."* AONA Basic Principles and Techniques of Operative Fracture Management Course, Charlotte, NC, January 16, 2020.
324. *"Upper extremity articular fractures."* AONA Basic Principles and Techniques of Operative Fracture Management Course, Charlotte, NC, January 18, 2020.
325. *"Violation of AO principles: How not to do AO."* AONA Basic Principles and Techniques of Operative Fracture Management Course, Charlotte, NC, January 19, 2020.
326. *"Acute pelvic fractures."* EMS outreach lecture, Westminster Fire Department, Westminster, CO, January 22, 2020.
327. *"Intravenous lidocaine decreases opiate use in the management of rib fractures."* (invited discussant). Annual HCA Healthcare Trauma Summit, Orlando, FL, January 30, 2020.
328. *"Acute compartment syndrome."* EMS outreach lecture, Northglenn/South Adams County Fire Department, Commerce City, CO, February 6, 2020.
329. *"Surgeon wellness during COVID-19: community focus group webinar."* Invited panelist and speaker, "Surgeon Masters" community focus group webinar, May 4, 2020 (virtual meeting).
330. *"The COVID-19 pandemic."* Virtual Grand Rounds lecture for medical students, Rocky Vista University, College of Osteopathic Medicine, June 3, 2020.
331. *"Fundamentals of clinical medicine."* Introductory lecture for 3rd year medical students, Rocky Vista University, College of Osteopathic Medicine, July 20, 2020 (virtual meeting).
332. *"Proximal humerus fractures: from diagnosis to treatment."* Escola Paulista de Medicina, Universidade Federal de São Paulo (UNIFESP), Brazil, September 24, 2020 (virtual meeting).
333. *"Initial assessment and management of the trauma patient."* Advanced Trauma Life Support (ATLS®) provider course, Swedish Medical Center, Englewood, CO, September 26, 2020.
334. *"A streamlined team approach to scaling ESR implementation from facility to division level."* Enhanced Surgical Recovery Expo, Nashville, TN, September 24, 2020.
335. *"Basic Principles of Fracture Management, Module 1."* Virtual zoom meeting, AO North America, Wayne, PA, October 8, 2020.
336. *"Basic Principles of Fracture Management, Module 2."* Virtual zoom meeting, AO North America, Wayne, PA, October 15, 2020.
337. *"Basic Principles of Fracture Management, Module 3."* Virtual zoom meeting, AO North America, Wayne, PA, October 29, 2020.
338. *"How to improve collegiality and LGBTQ+ cultural sensitivity in the 21st century."* Host, Grand Rounds for medical staff, The Medical Center of Aurora, Aurora, CO, December 9, 2020.
339. *"COVID-19 pandemic: challenges and opportunities for healthcare response and innovation."* Invited expert panelist, Colorado Business Roundtable (COBRT), Denver, CO, December 16, 2020 (virtual meeting).

340. *“What are essential virtues for 3rd year medical students? Practical tips & tricks to promote reflection, coping skills, and resilience.”* Workshop for the medical student curriculum “Critical Reflection and Professional Career Development”, Rocky Vista University, Parker, CO, January 5, 2021 (virtual meeting).
341. *“Controversies in evidence-based medicine.”* 11th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, January 14, 2021 (virtual meeting).
342. *“Impact of COVID-19 on surgical care and patient safety.”* 11th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, January 16, 2021 (virtual meeting).
343. *“How to manage the disruptive surgeon.”* 11th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, January 16, 2021 (virtual meeting).
344. *“The surgeon is the case: collegial conversations.”* 11th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, La Jolla, CA, February 13, 2021 (virtual meeting).
345. *“Fracture reduction techniques: concepts and application.”* Group discussion leader, virtual zoom meeting, Advanced Principles of Fracture Management Essentials, AO North America, Wayne, PA, March 2, 2021 (virtual meeting).
346. *“Articular fractures of the elbow and wrist.”* Moderator, speaker, and group discussion leader, virtual zoom meeting, Advanced Principles of Fracture Management Essentials, AO North America, Wayne, PA, March 9, 2021 (virtual meeting).
347. *“Evidence-based medicine: practical tips on how to interpret the peer-reviewed literature.”* 3rd Annual Rocky Mountain Healthcare Symposium, Denver, CO, March 12, 2021 (virtual meeting).
348. *“Fractures of the distal femur, tibial plateau, ankle and pilon.”* Group discussion leader, virtual zoom meeting, Advanced Principles of Fracture Management Essentials, AO North America, Wayne, PA, March 16, 2021 (virtual meeting).
349. *“Hip fractures.”* Group discussion leader, virtual zoom meeting, Advanced Principles of Fracture Management Essentials, AO North America, Wayne, PA, March 23, 2021 (virtual meeting).
350. *“Complex fractures and fracture-nonunions.”* Group discussion leader, virtual zoom meeting, Advanced Principles of Fracture Management Essentials, AO North America, Wayne, PA, March 30, 2021 (virtual meeting).
351. *“Circulation and hemorrhage control: tourniquets, pelvic binder, wound packing, and intraosseous infusion technique.”* Advanced Trauma Life Support (ATLS[®]) provider course, Swedish Medical Center, Englewood, CO, June 4, 2021.
352. *“Introduction for the new PGY-I resident class: from accountability to resilience.”* Presenter at the onboarding orientation for the HCA GME residency program for Family Medicine, Internal Medicine, Neurology, Podiatry, Psychiatry, Surgery, Swedish Medical Center, Englewood, CO, June 28, 2021.
353. *“Effective communication for patient safety and patient experience – from SBAR to AIDET.”* Presenter at the onboarding orientation for the incoming resident interns at the Medical Center of Aurora, Aurora, CO, June 30, 2021.
354. *“Enhanced recovery after surgery: basic principles and tactics for successful program implementation.”* Annual HealthTrust University (HTU) conference, Nashville, TN, July 26, 2021.
355. *“Candid conversations with a CMO.”* Surgeon Masters Community E-Gagement live webinar series, August 12, 2021 (virtual meeting).

356. *“Current concepts in pelvic fracture management.”* International Polytrauma Course, Zurich, Switzerland. and San Antonio, TX, September 10, 2021 (virtual meeting).
357. *“Research difficulties and opportunities in emergency surgical patients.”* Chair and moderator, 8th International Congress of the World Society of Emergency Surgery (WSES), Edinburgh, Scotland, September 10, 2021.
358. *“The role of teamwork in improving emergency surgical outcomes.”* 8th International Congress of the World Society of Emergency Surgery (WSES), Edinburgh, Scotland, September 10, 2021.
359. *“Practical tips for authors of surgical papers”.* 7^o Curso de Trauma, Medellin, Colombia, September 21, 2021 (virtual meeting).
360. *“Absolute stability in diaphyseal fractures.”* Presenter and moderator, virtual zoom meeting, Basic Principles of Fracture Management Essentials, AO North America, Wayne, PA, November 20, 2021 (virtual meeting).
361. *“What are essential virtues for 3rd year medical students? Practical tips & tricks to promote reflection, coping skills, and resilience.”* Workshop for the medical student curriculum “Critical Reflection and Professional Career Development”, Rocky Vista University, Parker, CO, January 3, 2022 (virtual meeting).
362. *“The role of a chief medical officer and practical tips for effective time management.”* Workshop for the medical student curriculum “Academic Medicine Leadership Track”, Rocky Vista University, Parker, CO, March 17, 2022.
363. *“Why our patient safety protocols are unsafe.”* Grand rounds speaker, 2022 Waltz Memorial Lectureship on Patient Safety and Quality, Scripps Clinic, La Jolla, CA, March 16, 2022 (virtual meeting).
364. *“Essential virtues for medical students and how to become a successful surgeon.”* Surgery/Orthopedics medical student interest group, Rocky Vista University School of Osteopathic Medicine, Parker, CO, March 23, 2022.
365. *“Servant leadership – an endangered species in graduate medical education?”* Grand rounds speaker, 4th Annual Rocky Mountain Healthcare Symposium, Aurora, CO, April 8, 2022.
366. *“Physician engagement strategies and reflection on physician resilience.* The Medical Center of Aurora medical staff retreat, Vail, CO, April 23, 2022.
367. *“Reducing fragmentation across care settings through collaboration.”* COPIC Medical Foundation (CMF) Grantee Summit, Denver, CO, June 10, 2022.
368. *“Keynote lecture: Blood, Sweat and Tears – Becoming a Better Surgeon.”* 12th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, Coronado, CA, June 23, 2022.
369. *“Culture conflict: a conversation with hospital leadership.”* 12th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, Coronado, CA, June 23, 2022.
370. *“The game changer that improved my surgical practice.”* 12th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, Coronado, CA, June 23, 2022.
371. *“Getting out of trouble and what to do when the system fails: engaging leadership.”* 12th Annual Congress, Orthopaedic Trauma and Fracture Care: Pushing the Envelope, Coronado, CA, June 24, 2022.
372. *“Operate wisely – Overuse in knee arthroscopy.”* Johns Hopkins Medicine, “Architecture for High Value Health Care” Annual Conference, Baltimore, MD, October 6, 2022.

373. *“What are essential virtues for 3rd year medical students? Practical tips & tricks to promote reflection, coping skills, and resilience.”* Workshop for the medical student curriculum “Critical Reflection and Professional Career Development”, Rocky Vista University, Parker, CO, January 3, 2023 (virtual meeting).
374. *“Goal Zero for preventable adverse events – Utopia or achievable reality?”* Nursing Leadership Congress, Mission Health, Asheville, NC, February 9, 2023.
375. *“Principles of physician leadership.”* Emergency Department Immersion Workshop, Mission Health, Asheville, NC, May 15, 2023.
376. *“Patient experience in the emergency room – a neglected entity?”* Emergency Department Immersion Workshop, Mission Health, Asheville, NC, May 15, 2023.
377. *“How to promote resilience in the medical profession – practical tips & tricks.”* Diversity Equity, and Inclusion (DEI) Young Colleagues Network, Mission Health, Asheville, NC, June 6, 2023.
378. *“Spine trauma associated with blunt abdominal injuries.”* 10th International Congress of the World Society of Emergency Surgery (WSES), Pisa, Italy, June 21, 2023.
379. *“How to review a surgical paper?”* MAHEC GME Surgery Residency Journal Club, Asheville, NC, October 25, 2023.
380. *“Initial assessment and management by ATLS protocol.”* Advanced Trauma Life Support (ATLS®) MAHEC Simulation Lab, Asheville, NC, November 2, 2023.
381. *“How to improve patient experience in the emergency room?”* Emergency Department Immersion Workshop 2.0, Mission Health, Asheville, NC, November 7, 2023.
382. *“Seven tips for resilience in the medical profession.”* 8th Annual Corey S. Pittman Prehospital Symposium, Asheville, NC, November 9, 2023.
383. *“Resilience strategies and principles of physician leadership.”* Physician Leadership Forum, Mission Hospital, Asheville, NC, May 2, 2024.
384. *“Respecting the pathophysiology of trauma: surgical priorities in multiply injured patients.”* Trauma Grand Rounds Lecture, Mission Hospital, Asheville, NC, May 9, 2024.
385. *“Initial assessment and management by ATLS protocol.”* Advanced Trauma Life Support (ATLS®) MAHEC Simulation Lab, Asheville, NC, May 29, 2024.
386. *“Experience from a foreign graduate surgeon in the United States – a personal story.”* International Educated Nurses (IEN) Council, Mission Hospital, Asheville, NC, August 1, 2024
387. *“Contemporary management of open extremity fractures.”* 83rd Annual Meeting of the American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery / 7th World Trauma Congress, Las Vegas, NV, September 13, 2024.
388. *“Management of traumatic brain injury: have we made any progress in the past 20 years?”* 83rd Annual Meeting of the American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery / 7th World Trauma Congress, Las Vegas, NV, September 13, 2024.
389. *“The rationale for spine damage control in polytrauma patients.”* Neurosurgery Grand Rounds Lecture, University Hospital, Parma, Italy, October 30, 2024.
390. *“Frontiers in Medicine.”* Regional conference chairman, moderator, and organizer. Casper, WY, April 16-18, 2026.
391. *“The safety illusion: why current surgical protocols are failing our patients.”* Frontiers in Medicine 31st Regional conference, Casper, WY, April 18, 2026.