ERIC T. MILLER, M.D.

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- Board certified, fellowship-trained orthopedic trauma surgeon in practice since 2009
- Expertise in all extremity fractures, general orthopedic surgery
- Expertise in non-unions, malunions, limb lengthening and limb deformity
- Multiple national presentations and publications related to orthopedic trauma
- Significant teaching experience both locally and nationally
    - Voted "Teacher of the Year" multiple times

EDUCATION/TRAINING

Fellowship	University of Texas Southwestern Parkland Memorial Hospital Department of Orthopedic Surgery Division of Orthopedic Traumatology Dallas, Texas August 2008 - July 2009
Internship/ Residency	Summa Health System Department of Orthopedic Surgery Akron, Ohio July 2003 - June 2008
Medical School	M.D., Northeastern Ohio Medical University (NEOMED) formerly Northeastern Ohio Universities College of Medicine (NEOUCOM) Rootstown, Ohio August 1999 - May 2003
Undergraduate	B.A., *cum laude*, Case Western Reserve University (CWRU) Cleveland, Ohio Major: Chemistry Minor: Biology, Music August 1995 - May 1999
High School	Tuslaw Junior/Senior High School Massillon, Ohio Class valedictorian, honors diploma August 1991 - June 1995

LICENSURE/CERTIFICATION

American Board of Orthopedic Surgery
Board Certified
Part I Examination: Passed July 2008
Part II Examination: Passed July 21, 2011
Recertified: January 1, 2022
Maintenance of Certification in progress

State Medical Board of Ohio
Doctor of Medicine
Issued: October 1, 2004
No: 35.085153
Status: Active
Expires: July 1, 2028

United States Medical Licensing Examination (USMLE)
No: 5-089-535-8
USMLE Step 1: Passed June 2001 (97th percentile)
USMLE Step 2: Passed October 2002 (91st percentile)
USMLE Step 3: Passed June 2004 (87th percentile)

PROFESSIONAL EXPERIENCE

Employed Physician	Summa Health Medical Group, Orthopedics and Sports Medicine Akron ,Ohio May 2012 - present
	Crystal Clinic, Inc. Akron, Ohio August 2009 – April 2012
Trauma Medical Director, Department of Orthopedics	Summa Health System Akron, Ohio August 2009 – present

ACADEMIC APPOINTMENTS

Professor, Northeastern Ohio Medical University, Department of Orthopedics, 2026 – present
Associate Professor, Northeastern Ohio Medical University, Department of Orthopedics, 2019-2026
Assistant Professor, Northeastern Ohio Medical University, Department of Orthopedics, 2012-2019
Clinical Instructor, Northeastern Ohio Medical University, Department of Orthopedics, 2010-2012

TEACHING EXPERIENCE

Orthopedic Surgery Residency, Summa Health System, 2009-present
- Frequency varies from weekly to monthly lectures on orthopedic trauma topics
- One on one 8 hour surgical anatomy cadaver dissection lab with each PGY-2 resident
- Faculty in annual resident cadaver anatomy dissections
- Orthopedic trauma faculty hosting two residents per month on orthopedic trauma teaching service

Johnson & Johnson/Synthes Rust Belt Fracture Forum, Pittsburgh, PA, August 2026
- Invited faculty. Didactic and cadaver demonstrations.

Orthopedic Trauma Association Resident Fracture Course, OTA National meeting, 2013

Orthopedic Trauma Association Physician Assistant Trauma Course, OTA National meeting

Northeastern Ohio Universities College of Medicine (NEOUCOM) Surgical Anatomy Instructor, 2005-2008

PUBLISHED MANUSCRIPTS

Darnley JE, Petersen KA, Siesel C, **Miller ET**. The Production of Antibiotic Cement Beads. J Orthop Trauma. 2020 Aug;34 Suppl 2:S41. doi: 10.1097/BOT.0000000000001835. PMID: 32639354

Darnley JE, Petersen KA, Siesel C, Gelman S, **Miller ET**. Tibial Intramedullary Nail From a Suprapatellar Approach in a Semi-Extended Position. J Ortho Trauma. 2020 Aug;34 Suppl 2:S39-S40. doi: 10.1097/BOT.0000000000001836. PMID: 32639353

Petersen K, Siesel C, Broering C, **Miller ET**. Posterior Approach for a Cemented Hemiarthroplasty. J Orthop Trauma. 2019 Aug;33 Suppl 1:S22-S23. doi: 10.1097/BOT.0000000000001536. PMID: 31290825

Petersen K, Siesel C, **Miller, ET**. Radial Head Replacement Through a Kocher Approach. J Orthop Trauma. 2019 Aug;33 Suppl 1:S11-S12. doi: 10.1097/BOT.0000000000001537. PMID: 31290820

Wroblewski A, Hoffman D, **Miller ET**. Direct Anterior Approach for Hip Hemiarthroplasty. J Orthop Trauma. 2019 Aug;33 Suppl 1:S17-S18. doi: 10.1097/BOT.0000000000001528. PMID: 31290823

Cremeans-Smith JK, Contrera K, Speering, L, **Miller, ET**, Pfefferle K, Greene K, Delahanty DL. Using Established Predictors of Post-Traumatic Stress to Explain Variations in Recovery Outcomes Among Orthopedic Patients. J Health Psychol. 2015 Oct;20(10):1296-304 doi: 10.1177/1359105313511135. Epub 2013 Dec 1. PMID: 24296736

Dilisio M, Fitzgerald R, **Miller ET**. Extended Neviaser Portal Approach to Antegrade Humeral Nailing. Orthopedics. 2013 Feb;36(2):e244-8. doi: 10.3928/01477447-20130122-30. PMID: 23383679

Tank, JC, Lowe, S, **Miller, ET**. Combined olecranon osteotomy with triceps reflecting approach for complex humerus fractures. Injury Extra 43(2012) 9-14. doi: 10.1016/j.injury.2011.10.021

PUBLISHED VIDEOS

Schmucker A, Eggebrecht Z, Malik A, **Miller ET**. Anterior Iliac Crest Bone Graft Harvest. Published 2021 at https://otaonline.org

Malik A, Eggebrecht Z, Siesel C, **Miller ET**. Technique Guide for Distal Femoral Traction Pin Placement. Published 2021 at https://otaonline.org

Darnley J, Eren E, **Miller ET**. Open Reduction Internal Fixation of a Posterior Trans-olecranon Fracture Dislocation. Published 2021 at https://otaonline.org

Darnley J, Wroblewski A, **Miller ET**. Closed Reduction of a Posterior Sternoclavicular Dislocation. Published 2021 at https://otaonline.org

Jonard B, McKernan M, **Miller ET**. Posterior Slab Short Leg Splinting Instructional Video. Published 2020 at https://otaonline.org.

Petersen K, Siesel C, **Miller ET**. Radial Head Replacement via a Kocher Approach. Published 2019 at https://otaonline.org and Orthopedic Video Theater at www.aaos.org

Wroblewski A,Hoffman D, **Miller ET**. Direct Anterior Approach for Hip Hemiarthroplasty. Published 2019 at https://otaonline.org.

Wroblewski A, Hoffman D, **Miller ET**. Ankle-Spanning Ex-Fix. Published 2019 at https://otaonline.org.

Darnley J, Ek D, **Miller ET**. Short Cephalomedullary Nail for Intertochanteric Hip Fracture. Published 2019 at https://otaonline.org.

Darnley J, Ek D, **Miller ET**. Surgical Technique for Closed Reduction Percutaneous Pinning of Nondisplaced Femoral Neck Fracture. Published 2019 at https://otaonline.org.

Darnley J, McKernan M, Petersen K, Robinson J, **Miller ET**. Compartment Pressure Measurements of the Thigh. Published 2019 at https://otaonline.org.

Petersen K, Siesel C, Broering C, **Miller ET**. Posterior Approach for a Cemented Hemiarthroplasty. Published 2019 at https://otaonline.org.

Darnley JE, Petersen KA, Siesel C, **Miller ET**. The Production of Antibiotic Cement Beads. Published 2019 at https://otaonline.org.

Darnley JE, Petersen KA, Siesel C, Gelman S, **Miller ET**. Tibial Intramedullary Nail From a Suprapatellar Approach in a Semi-Extended Position. Published 2019 at https://otaonline.org.

PODIUM PRESENTATIONS

Darnley JE, Petersen KA, Siesel C, Gelman S, **Miller ET**. Tibial Intramedullary Nail From a Suprapatellar Approach in a Semi-Extended Position
Orthopedic Trauma Association Annual Meeting, Denver, CO, 2019

Darnley JE, Petersen KA, Siesel C, **Miller ET**. The Production of Antibiotic Cement Beads.
Orthopedic Trauma Association Annual Meeting, Denver, CO, 2019

Ohliger J, Petersen K, Ohliger A, McShannic J, **Miller ET**. Retrospective Review: Mortality, Cortical Thickness Index and the Dorr Classification in Geriatric Femoral Neck Fractures
Mid-America Orthopedic Association Annual Meeting, Miramar Beach, FL, 2019
Summa Health System Post-graduate Research Day, Akron, OH, 2019
Akron Combined Research Day, Akron, OH, 2018

Jonard B, Pietros A, **Miller ET**, Davis B. The Stress Riser Effect at the Interface of a Total Knee Arthroplasty Anterior Flange and Intramedullary Nail
Ohio Orthopedic Society Annual Meeting, 2019
Summa Health System Post-graduate Research Day, 2019
Akron Combined Research Day, 2018

Petersen K, Siesel C, Broering C, **Miller ET**. Posterior Approach for a Cemented Hemiarthroplasty.
Orthopedic Trauma Association Annual Meeting, Orlando, FL, 2018.

Petersen K, Siesel C, **Miller ET**. Radial Head Replacement via a Kocher Approach
Orthopedic Trauma Association Annual Meeting, Orlando, FL, 2018
American Academy of Orthopedic Surgeons Annual Meeting, Las Vegas, Nevada, 2019

Wroblewski A, Hoffman D, **Miller ET**. Direct Anterior Approach for Hip Hemiarthroplasty
Orthopedic Trauma Association Annual Meeting, Orlando, FL, 2018

Wroblewski A, Hoffman D, **Miller ET**. Ankle-Spanning Ex-Fix
Orthopedic Trauma Association Annual Meeting, Orlando, FL, 2018

Klaus D, Crowder C, Safadi F, **Miller ET**. Quantitative Analysis of Growth Factors in "Waste Water" from the Reamer Irrigator Aspirator.
Mid-America Orthopedic Association Annual Meeting, 2015
AO North America Annual Meeting, 2014
Orthopedic Trauma Association Annual Meeting, Basic Science Forum, Tampa, FL, 2014
Annual Meeting of Biomedical Engineering Society, 2013
Akron Combined Research Day, 2013

POSTER PRESENTATIONS

Klaus D, Crowder C, Safadi F, **Miller ET**. Analysis of Osteoactivin in Reamer-Irrigator-Aspirator (RIA) Wastewater as an Osteogenic Factor for Bone Regeneration
Orthopedic Research Society Annual Meeting, New Orleans, LA, 2014

Cremeans-Smith JK, Contrera K, Speering L, **Miller ET**, Pfefferle K, Greene K, Delahanty DL. Using Established Predictors of Post-Traumatic Stress to Explain Variations in Recovery Outcomes Among Orthopedic Patients.
American Psychosomatic Society Annual Meeting, Miami, FL, 2013

INVITED PRESENTATIONS - OTHER

Geriatric Fractures. Geriatric Medicine Fellows lecture series, Summa Health System, annually
Open Tibia Fractures. Plastic Surgery Fellows lecture series. Summa Health System, biannually.
Pelvis Fractures for the Non-orthopedic surgeon. Department of General Surgery Purple Conference. Summa Health System. May 2012.
Orthopedic Emergencies. National Association of Orthopedic Nurses (NAON) Greater Akron Chapter Regional Conference, April 2011
Orthopedic Emergencies. Northeastern Ohio Regional Trauma Network (NORTN) Annual Trauma Meeting, October 2010
Obesity and Orthopedic Trauma. Northeastern Ohio Regional Trauma Network (NORTN) Educational Meeting, Akron, Ohio, 2010
Percutaneous Acetabular Fixation. Pittsburgh Trauma Fellows Pelvic Anatomy Course, April 2010
Orthopedic Traumatology: What's New in the Rubber City. Akron Rotary Club, January 2010
Physician Career Stories, Northeastern Ohio Universities College of Medicine, November 2009
Extremity Trauma: Orthopedic Aspects of Emergency Care. Paramedic Student Lecture Series, Akron, Ohio, March 2008, March 2007, March 2006.
Orthopedics in the ER. Summa Health System Department of Emergency Medicine Resident Lecture Series, October 2007
The Road to Orthopedics: How Not to Get Lost. NEOUCOM Orthopedic Surgery Interest Group Fall Meeting, 2004.
Upper Cervical Spine Trauma. Summa Health System Combined Trauma Conference, April 2004.

COURSES ATTENDED

Smith & Nephew Masters Fracture Forum, Miami, FL, April 2023
Bobby Menges Memorial HSS Limb Deformity Course, Online, January 2021
AO Trauma North America Osteotomy Course, Online, 2020
Taylor Spatial Frame Course, Memphis, TN, September 2013
Direct Anterior Total Hip Replacement, ABIA Akron, OH, March 2013
Direct Anterior Total Hip Replacement, Memphis, TN, March 2012
AO Principles, Advanced Part 2, Phoenix, AZ, 2010
AO Pelvis and Acetabulum Fracture Course, Birmingham, AB, 2009
OTA Basic Fracture Course for Residents, Fort Myers, FL, October 2004

AO Principles, Basic Part 1, Chattanooga, TN, 2003

HONORS/AWARDS

Summa Orthopedic Residency Teacher of the Year, 2023, 2022, 2015, 2011
Research Award, Summa Department of Orthopedics, 2014
Innovation Award, Summa Department of Orthopedics, 2014, 2013
Medical Student Teaching Award, Summa Department of Orthopedics, 2018, 2011, 2010
Greater Akron Chamber of Commerce, 30 for the Future Award Nominee, 2011
AOA Emerging Leaders Program, 2008
AOA-OREF-Zimmer Resident Leadership Forum Participant, Asheville, NC, June 2007
Lange Meritorious Award, 2003
Deuble Scholarship, 2000-2001
National Residence Hall Honorary, 1997-1998
President, 1998
Provost Scholar, 1995-1999
Ohio Leadership Scholarship, 1995-1999
Ohio Academic Scholarship, 1995-1999

GRANTS

Robert F. Kepley Fellowship, $25,000
Epigenetic Regulation of Osteoactivin in Fragility Fractures: A Comparative Study Between Femoral Head Specimens of Total Hip Arthroplasty Patients and Displaced Femoral Neck Fracture Patients, Award Year 2014

Quantitative Analysis of Growth Factors in "Waste Water" from the Reamer Irrigator Aspirator, Award Year 2013

Physeal Stimulation via Growth Hormone Eluting Pegs, 2013

Orthopedic Trauma Association resident research grant, $10,000
Effects of Physical Therapy on Operatively Treated Ankle Fractures, 2011

Austen Bioinnovation Institute of Akron, $30,000
Quantitative Analysis of Growth Factors in "Waste Water" from the Reamer Irrigator Aspirator

COMMITTEES

Summa Health Pharmacy and Therapeutics Committee, orthopedic surgery representative, June 2024 – present
Committee meets monthly to discuss medications and pharmacy issues impacting the health system

Summa Health Emergency Preparedness Committee, July 2023 - present
Committee meets monthly to discuss issues related to disaster planning and performs simulations regarding mass causality events

Summa Health Medical Group Orthopedic Steering Committee, President 2023 – 2025, Member 2021-2025
Committee met monthly to address issues specific to our orthopedic practice in the context of the health system and larger multi-specialty medical group

Summa Health System Orthopedic Residency Program Evaluation Committee, 2009 – present
Committee meets semi-annually to evaluate the residency educational program and structure

Summa Health System Orthopedic Residency Clinical Competency Committee, 2009 – present
Committee meets semi-annually to review individual resident performance and progress

Summa Health System Orthopedic Department Peer Review Committee, 2009 – 2022
Committee meets monthly to perform standard peer review for orthopedic department

Orthopedic Excellence Council, Summa Health System, 2016-2022
Committee met as needed to discuss, implement, monitor orthopedic service in the operating room at Akron City Hospital

Orthopedic Service Line, Summa Health System, Intermittent 2018-present
I have ongoing ad hoc involvement as issues related to orthopedic trauma services arise

Trauma Performance Improvement Committee – Orthopedic Trauma Liaison, Summa Health System, 2009 – present
Monthly attendance to discuss trauma services at Akron City Hospital. Involves morbidity and mortality review, process and protocol development and review, participating in our program's recertification process with the American College of Surgeons.

Block Time Utilization Committee, Crystal Clinic Orthopedic Center, 2012 –2014
Ad hoc committee charged with reviewing and making recommendations on more efficient utilization of OR time and individual surgeon's use of surgical block time

Purchasing / Technology Committee, Crystal Clinic Orthopedic Center, 2011- 2014
Committee charged with review of implant pricing, utilization and tracking

Pharmacy, Therapeutics and Infection Control Committee, Crystal Clinic Orthopedic Center, 2010
Committee charged with medication review including cost containment and appropriate indications

Physician Documentation Committee, Crystal Clinic Orthopedic Center, 2009
Committee formed to address issues with incomplete and/or delayed documentation, incentives for completion and follow up

Venous Thromboembolism Working Group, Crystal Clinic Orthopedic Center, 2009
Committee formed to establish best practices and standardization of DVT prophylaxis protocols

ACTIVITIES/MEMBERSHIPS

AO Trauma, Member (#664501), 2019 – present
American Academy of Orthopedic Surgeons, Active Fellow (#432443) 2012 - present
Orthopedic Trauma Association, Active Member (#44158), 2008 - present
American Mensa, Lifetime Member (#1141371)
Orthopedic Surgery Specialty Mentor, NEOMED, 2011 - present
Master Teachers Guild, NEOMED, 2011 - present
Professional Development Advising Team, Advisor, NEOMED, 2010 - 2013
NEOUCOM Alumni Association Board of Directors, 2003 - 2009
NEOUCOM Liaison Committee on Medical Education (LCME)
Committee, 2002 - 2003
Student Survey and Report Writing Committee, Co-Chairman
Medical Students Committee, Member
NEOUCOM Academic Council, 2002 - 2003
NEOUCOM Student Council Representative, 2000 - 2003
President, 2002 - 2003
Vice-President, 2001 - 2002
Peer Mentor, 2000 - 2003
Varsity Baseball, Case Western Reserve University, Cleveland, OH, 1995 - 1999
Co-Captain, 1998 - 1999