

# EDWARD J. ARMBRUSTER, DO, MBA

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## Training:

**Rutgers – New Jersey Medical School, Newark, NJ**  
**Formerly University of Medicine and Dentistry of New Jersey - New Jersey Medical School**  
**Hand and Microvascular Surgery Fellowship, 2008**

- Conducted weekly clinic hours serving indigent population in Newark
- Organized weekly Resident education sessions reviewing classic articles in hand surgery
- Engaged in advanced research including treatment of Lateral Epicondylitis, Perilunate Injuries and Elbow Trauma
- Volunteered as Instructor for New Jersey Medical School Gross Anatomy Upper Extremity Module

**Rowan University – School of Osteopathic Medicine, Stratford, NJ**  
**Formerly University of Medicine and Dentistry of New Jersey - School of Osteopathic Medicine**  
**Orthopaedic Surgery Residency, 2007**

- Chief Resident responsible for academic curriculum, rotation and call schedules
- Rotations include Kennedy Health System (General), Alfred I. duPont Hospital (Pediatrics), Cooper University Hospital (Trauma; Subspecialty), South Jersey Regional Medical Center (Subspecialty)
- House Staff Representative to the Graduate Medical Education Executive Committee

**Traditional Rotating Osteopathic Internship, 2003**

- Chief Intern responsible for hospital division intern administration and academics
- Rotations included Kennedy Health System and Our Lady of Lourdes Hospital
- Surgical emphasis including General, Vascular, Transplant and Orthopaedic Surgery

## Education:

**Saint Joseph's University, Philadelphia, PA**  
**Erivan K. Haub School of Business**  
**Executive Master of Business Administration in Healthcare, 2021**

- Elected to membership in Beta Gamma Sigma International Business Honor Society
- Selected 2021 Haub School of Business Graduate Business Award recipient

**Philadelphia College of Osteopathic Medicine, Philadelphia, PA**  
**Doctor of Osteopathic Medicine, 2002**

- Class President, 1998-2002
- 2002 Mason W. Pressly, D.O. Memorial Medal (PCOM Founder's Award)
- Student Representative, Committee on Curriculum Revision
- Student Osteopathic Medical Association National Director of Legislative Affairs, 2001

**Boston University School of Medicine, Boston, MA**  
**Master of Arts in Medical Sciences, 1998**

**University of Michigan, Ann Arbor, MI**  
**Bachelor of Science in Chemistry and Cellular and Molecular Biology, 1995**

## Experience: *9/23 - present*

**Shore Orthopaedics/University Associates, Somers Point, NJ**  
**Attending Orthopaedic/Hand and Upper Extremity Surgeon**

- Providing Orthopaedic Hand and Upper Extremity care in Somers Point, Cape May Courthouse and Manahawkin, NJ

**Mercer Bucks Orthopaedics, Lawrenceville, NJ**  
**Practice Partner**

*1/10 – 8/23*

**Attending Orthopaedic/Hand and Upper Extremity Surgeon**

- Provided Orthopaedic and Hand care in Lawrenceville, Princeton, Hamilton, NJ and Langhorne, PA
- Served in practice leadership on Executive Committee

**Lower Bucks Hospital, Bristol, PA**  
**Lower Bucks Orthopaedics**  
7/08 – 12/09 **Attending Orthopaedic/Hand and Upper Extremity Surgeon**

- Appointed Orthopaedic Surgery Representative to Operating Room Committee
- Instructed PCOM Plastic Surgery Fellows in Hand and Microvascular Surgery
- Provided Emergency Hand Call coverage to the Emergency Department

*Seasonal*  
2003-2007 **Camden Riversharks Baseball Organization, Camden, NJ**  
**Atlantic League**  
**Assistant Team Physician**

- Diagnosed and treated player injuries during practice sessions and home games
- Conducted pre-season physical examinations
- Participated in surgical procedures on players when indicated

6/99-8/99 **Johnson and Johnson / Centocor, Malvern, PA**  
**Division of Clinical Pharmacology – Inflammation Section**  
**Summer Intern**

- Developed Enzyme Immuno-Assay to detect REMICADE™ (Infliximab):TNF- $\alpha$  complex in serum
- Conceived and executed analysis of Rheumatoid Arthritis and Crohn's Disease serum for the development of pharmacokinetic dosing parameters
- Presented research data at annual Clinical Pharmacology Division meeting

**Consulting:**

- Lima Corporate Orthopaedic – SMR / anatomic shoulder arthroplasty platforms
- Trice Medical – Seg-WAY™ endoscopic carpal tunnel release system
- PAVmed – CarpX™ carpal tunnel release device
- Auxilium (Endo) Pharmaceuticals - XIAFLEX™ (collagenase clostridium histolyticum)
- Iroko Pharmaceuticals – ZORVOLEX™ (diclofenac), VIVLODEX™ (meloxicam), TIVORBEX™ (indomethacin)

**Qualifications:**

- Commonwealth of Pennsylvania Medical License (#OS014211)
- State of New Jersey Medical License (#25MB07707700)
- Drug Enforcement Agency (DEA) Registered (PA and NJ)

**Certifications:**

- Certificate of Added Qualification in Sports Medicine (CAQSM), 2021 – 2031
- Certificate of Added Qualification in Surgery of the Hand (CAQSH), 2010 – 2030
- Board Certified, American Osteopathic Board of Orthopaedic Surgery (AOBOS), 2010 - 2030
- Basic Microsurgery, Columbia Presbyterian Medical Center, 2007
- Autologous Cultured Chondrocytes (Cartice1®) Biosurgery, Genzyme, 2006
- Advanced Cardiovascular Life Support (ACLS), American Heart Association, 2023 - 2025
- Basic Life Support (BLS), American Heart Association, 2023 - 2025

**Appointments:** **Lower Bucks Hospital, Bristol, PA**  
**Family Medicine Residency Program**  
7/15-7/22 **Clinical Instructor**

5/09-6/12 **Philadelphia College of Osteopathic Medicine, Philadelphia, PA**  
**Department of Surgery, Division of Plastic and Reconstructive Surgery**  
**Clinical Instructor**

**Positions:** **American Osteopathic Academy of Orthopaedics**  
**Board of Directors**  
2022 - present **National President**

**Mercer Bucks Orthopaedics, Lawrenceville, NJ**  
**Executive Committee**  
 2022 - 2023 **Vice President**

2020 – 2023 **Tandigm Orthopaedic Specialty Alliance**  
**Physician Leadership Committee**  
**Member**

**Mercer County Surgical Center**  
**Board of Directors**  
 2018 - 2023 **Director**

**American Osteopathic Academy of Orthopaedics**  
**Board of Directors**  
 2021 - 2022 **National 1<sup>st</sup> Vice President**

**Lower Bucks Hospital**  
**Medical Staff**  
 2019 - 2021 **Vice President**

**American Osteopathic Academy of Orthopaedics**  
**Board of Directors**  
 2020 - 2021 **National 2<sup>nd</sup> Vice President**

**American Osteopathic Academy of Orthopaedics**  
**Board of Directors**  
 2019 - 2020 **National 3<sup>rd</sup> Vice President**

**American Osteopathic Academy of Orthopaedics**  
**Board of Directors**  
 2018 - 2019 **National Secretary/Treasurer**

**American Osteopathic Academy of Orthopaedics**  
**Board of Directors**  
 2014 - present **Director**

**Horizon Blue Cross Blue Shield of New Jersey**  
**Utilization Management**  
 1/17 – 6/17 **Physician Reviewer**

**American Osteopathic Academy of Orthopaedics**  
*The Orthopod*  
 2016 - 2018 **Editor**

**Mercer Bucks Orthopaedics**  
**Executive Committee**  
 2016 - 2017 **Member**

**Forest Health Medical Center of Bucks County, Langhorne, PA**  
**Operating Committee**  
 2010 - 2015 **Physician Representative**

**American Osteopathic Academy of Orthopaedics**  
**Hand Surgery Section**  
 2011 - 2012 **President**

**American Osteopathic Academy of Orthopaedics  
Hand Surgery Section  
Vice President**

2010 - 2011

**Privileges:** Shore Medical Center, Somers Point, NJ  
Jersey Shore Ambulatory Surgery Center, Somers Point, NJ

**Honors and Awards:**

- 2022 New Jersey Association of Osteopathic Physicians and Surgeons Leadership Award
- 2022 Suburban Life Magazine Top Physicians
- 2021 Suburban Life Magazine Top Physicians
- 2021 Haub School of Business Graduate Award
- 2021 Beta Gamma Sigma International Business Honor Society
- 2021 American Osteopathic Academy of Orthopedics Knotty Cane Award
- 2019 Fellow, American Academy of Orthopaedic Surgeons
- 2018 American Osteopathic Academy of Orthopedics Appreciative Award
- 2016 Guardian Angel, St. Mary Medical Center Foundation
- 2014 Guardian Angel, St. Mary Medical Center Foundation
- 2013 Award of Fellow, American Osteopathic Academy of Orthopaedics
- 2006 Synthes-AO Educational Grant
- 2004 Synthes-AO Educational Grant
- 2002 Philadelphia College of Osteopathic Medicine's Dean's Award
- 2002 Mason W. Pressly, D.O. Memorial Medal (PCOM Founder's Award)
- 2002 Student D.O. of the Year Award, Council of Osteopathic Student Government Presidents
- 2001 PCOM Student D.O. Scholarship
- 1999 SOMA Parke-Davis Scholarship
- 1998 NJAOPS Jerome B. Cohen, D.O. Osteopathic Student Scholarship
- 1998 Atlantic County Medical Society Alliance Scholarship
- 1995 Phi Lambda Upsilon National Chemical Honor Society
- 1993 Atlantic Area District Boy Scouts of America Distinguished Eagle Scout Scholarship

**Publications:**

- Capo JT, Armbruster EJ, Hashem J. Proximal Carpal Row Dislocation: A Case Report. Hand 2010; Published Online.
- Armbruster EJ, Tan V. Carpometacarpal Joint Disease: Addressing the Metacarpophalangeal Joint Deformity. Hand Clin 2008;24(3):295-9.
- Armbruster EJ, Capo JT, Tan V, Fuller D. Perilunate Dislocation: Case Studies of a Frequently Missed Diagnosis. J Musculoskel Med 2008;25(8):390-5.

**Manuscripts:**

- "Proximal Carpal Row Dislocation: A Case Report", UMDNJ – New Jersey Medical School
- "Perilunate Dislocations: A Potentially Missed Diagnosis", UMDNJ – New Jersey Medical School
- "Management of High-Energy Elbow Trauma with Temporizing External Fixation", Cooper University Hospital
- "Proximal Tibia Pain in an Adolescent Boy: A Case of a Primary Bone Neoplasm Treated As Osgood-Schlatter's Disease", A.I. duPont Hospital for Children
- "Acute Carpal Tunnel Syndrome Following Perilunate Dislocation", Cooper University Hospital
- "Meniscal Allograft Transplantation – A Retrospective Analysis of Functional Outcomes", UMDNJ - School of Osteopathic Medicine
- "Effect of Acute Acid-Load on H<sup>+</sup>-ATPase Expression in a Rat Inner Medullary Collecting Duct Cell Line", Boston University School of Medicine Master's thesis
- "Synthesis of *o,o*-dichlorobenzophenone" and "Synthesis of 1,1-bis(*o*-chlorophenyl)-2,2-dichloroethane", University of Michigan Department of Medicinal Chemistry

**Presentations:**

- "Nerve Repair Techniques", American Osteopathic Academy of Orthopaedics Annual Spring Meeting, 2023.

- “Athletic Injuries of the Upper Extremity: Hand, Wrist, Elbow and Shoulder”, Hamilton Physical Therapy Services, 2021.
- “Thumb CMC Ligament Reconstruction: Ligament Technique”, American Osteopathic Academy of Orthopaedics Annual Spring Meeting, 2021.
- “Tendinitis of the Elbow for Primary Care: The Surgical and Non-Surgical Approaches”, St. Mary Medical Center Grand Rounds, 2018.
- “Lateral Epicondylitis: Open Treatment”, American Osteopathic Academy of Orthopaedics Annual Meeting, 2013.
- “Advanced Treatment Options for Shoulder Disorders”, Robert Wood Johnson University Hospital – Hamilton, NJ, 2013.
- “What’s New in the Treatment of Tendinitis of the Wrist and Elbow”, St. Mary Medical Center, 2013.
- “Understanding Ulnar-Sided Wrist Pain”, UMDNJ School of Osteopathic Medicine Orthopaedic Surgery Residency Program Grand Rounds, 2013.
- Moderator, Hand Section, American Osteopathic Academy of Orthopaedics Annual Meeting, 2012.
- “The Digital Age of Practice Building”, American Osteopathic Academy of Orthopaedics Annual Meeting, 2012.
- “Tips on Obtaining a Residency in Orthopaedic Surgery”, PCOM Surgery Club, 2012.
- “Elbow Instability”, UMDNJ School of Osteopathic Medicine Orthopaedic Surgery Residency Program Grand Rounds, 2012.
- “Hand Emergencies and Their Treatment”, UMDNJ School of Osteopathic Medicine Orthopaedic Surgery Residency Program Grand Rounds, 2010.
- “Hip and Knee Pain”, Oxford Valley Pain Symposium, 2010.
- “Treatment Options for Nailing the Femur: Proximal, Mid-Shaft and Distal Fractures”, St. Mary’s Medical Center Surgical Services In-Service, 2010.
- “Hand Emergencies”, PCOM Plastic and Reconstructive Surgery Fellowship Program, 2009.
- “Radial Head Arthroplasty”, American Osteopathic Academy of Orthopaedics Annual Meeting, 2009.
- “Shoulder Arthroscopy: Tools and Techniques”, Lower Bucks Hospital Operating Room In-service, 2009.
- “Flexor Tendon Injuries”, PCOM Plastic and Reconstructive Surgery Fellowship Program, 2009.
- “Carpal Instability”, UMDNJ School of Osteopathic Medicine Orthopaedic Surgery Residency Program Grand Rounds, 2008.
- “Fit to a T: The US Bone and Joint Decade”, Wood River Village Residential Facility, 2008.
- “Ulnar-sided Wrist Pain: Approach, Evaluation and Treatment”, American Osteopathic Academy of Orthopaedics Annual Meeting, 2008.
- “Introduction to Hip Arthroscopy: Demonstration of Surgical Technique”, Smith & Nephew Cadaver Lab at St. Peter’s Hospital, 2007.
- “Temporizing External Fixation of High Energy Elbow Trauma”, American Academy of Orthopaedic Surgeons/American Shoulder and Elbow Surgeons 5<sup>th</sup> Biennial Meeting, 2006.
- “Advances in Plate Fixation: Locked Plating”, Kennedy Memorial Hospitals Operating Room Staff In-Service, 2006.
- “Pseudoaneurysm Following Total Hip Arthroplasty”, New Jersey Orthopaedic Society Meeting, 2003
- “Effects of a Maternal Folate Deficiency on Fetal Development”, Philadelphia College of Osteopathic Medicine poster presentation at the 1999 Annual PCOM Student Research Day.

#### **Memberships:**

- American Osteopathic Academy of Orthopaedics
- American Society for Surgery of the Hand
- American College of Healthcare Executives
- New Jersey Association of Osteopathic Physicians and Surgeons

#### **Additional:**

- Eagle Scout, Boy Scouts of America, 1987
- Longport, New Jersey Beach Patrol Ocean Lifeguard (Summers, 1987-1995)
- Assistant Scoutmaster, Boy Scouts of America, Yardley, PA, Troop 10 (2013-2019)