

Namdar Kazemi, MD

EDUCATION/TRAINING

- 8/15-8/16 **Mt. Sinai Department of Orthopaedic Surgery
Shoulder & Elbow Fellowship**
Mentors: Evan Flatow MD, Leesa Galatz MD & Bradford Parsons MD
- 7/10-6/15 **Department of Orthopaedic Surgery
The University of Cincinnati Medical Center, Cincinnati, OH**
Resident Physician in Orthopaedic Surgery
- 8/05-5/09 **The George Washington University School of Medicine, Washington, DC**
M.D. May 2009
- 8/01-5/04 **University of Maryland, College Park, MD**
B.S. Physiology & Neurobiology, May 2004

RESEARCH

- 7/09-7/10 **Research Fellow, University of Cincinnati Department of Orthopaedics, Cincinnati, OH**
- Areas of research: Orthopaedic traumatology, spine, and tendon healing
 - Responsibilities: Research planning & design, data collection & analysis, and manuscript preparation
- 7/04-7/05 **Research IRTA Fellow, National Institutes of Health (NIH), Bethesda, MD**
- Studied the effect of lipid tension on gating properties of VDAC channel
- 1/03-5/04 **Howard Hughes Undergraduate Research Fellow, College Park, MD**
- Analyzed the electrophysiological properties of mutated mouse VDAC proteins

PUBLICATIONS

Howard DR, **Kazemi N**, Rebenstein WJ, Hartwell MJ, Poeran J, Chang AL, Podolnick JD, Parsons BO, Galatz LM, Flatow EL. Cost-Benefit Analysis of Routine Pathology Examination in Primary Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2017;26:674-678
[10.1016/j.jse.2016.09.028](https://doi.org/10.1016/j.jse.2016.09.028)

Agabegi SS, **Kazemi N**, Mehlmen CT, Sturm PF. Natural History of Adolescent Idiopathic Scoliosis in Skeletally Mature Patients: A Critical Review. *J Am Acad Orthop Surg.* 2015;23:714-723.
[10.5435/JAAOS-D-14-00037](https://doi.org/10.5435/JAAOS-D-14-00037)

d'Heurle A, **Kazemi N**, Connelly C, Wyrick JD, Archdeacon MT, Le TT. Prospective Randomized Comparison of Locked Plates vs. Non-Locked Plates for the Treatment of High-Energy Pilon Fractures. *J Orthop Trauma.* 2015;29:420-423.
[10.1097/BOT.0000000000000386](https://doi.org/10.1097/BOT.0000000000000386)

Lalley AL, Dymont NA, **Kazemi N**, Kenter K, Gooch C, Rowe DW, Butler DL, Shearn JR. Improved Biomechanical and Biological Outcomes in the MRL/MpJ Murine Strain Following a Full-Length Patellar Tendon Injury. *J Orthop Research.* 2015;33:1693-1703
[10.1002/jor.22928](https://doi.org/10.1002/jor.22928)

Dyment NA, Liu CF, **Kazemi N**, Aschbacher-Smith LE, Kenter K, Breidenbach AP, Shearn JT, Wylie C, Rowe DW, Butler DL. The Paratenon Contributes to Scleraxis-Expressing Cells During Patellar Tendon Healing. *PLoS One*. 2013;8:e59944. [10.1371/journal.pone.0059944](https://doi.org/10.1371/journal.pone.0059944)

Archdeacon MT, **Kazemi N**, Collinge C, Budde B, Schnell S. Treatment of Protrusion Fractures of the Acetabulum in Patients 70 Years or Older. *J Orthop Trauma*. 2013;27:256-61. [10.1097/BOT.0b013e318269126f](https://doi.org/10.1097/BOT.0b013e318269126f)

Kazemi N, Grawe B, Le TT. Locking Plate Technology and Hybrid Plating Techniques: Current Concepts and Review. *Curr Orthop Pract*. 2012;23:486-91. [10.1097/BCO.0b013e31826620aa](https://doi.org/10.1097/BCO.0b013e31826620aa)

Kazemi N, Archdeacon MT. Immediate Full Weightbearing after Percutaneous Fixation of Anterior Column Acetabulum Fractures. *J Orthop Trauma*. 2012;26:73-9. [10.1097/BOT.0b013e318216b3e3](https://doi.org/10.1097/BOT.0b013e318216b3e3)

Dyment NA, **Kazemi N**, Aschbacher-Smith LE, Barthelery NJ, Kenter K, Gooch C, Shearn JT, Wylie C, Butler DL: The Relationships Among Spatiotemporal Collagen Gene Expression, Histology, and Biomechanics Following Full-Length Injury in the Murine Patellar Tendon. *J Orthop Research*. 2012;30:28-36. [10.1002/jor.21484](https://doi.org/10.1002/jor.21484)

Kazemi N, Foad M, Archdeacon MT. Fellow's corner: Grand rounds from the University of Cincinnati Medical Center – Chronic osteomyelitis of the tibia. *J Orthop Trauma*. 2011;25:691-94. [10.1097/BOT.0b013e318211385d](https://doi.org/10.1097/BOT.0b013e318211385d)

Archdeacon MT, **Kazemi N**, Romanowski JR, Mobberley-Schuman PS, Weiss AA. Reaming as an Adjuvant to Irrigation on Bacterial Presence and Propagation: An Open, Cadaveric Intramedullary Fracture Model. *J Orthop Trauma*. 2011;25:325-30. [10.1097/BOT.0b013e3182009ce5](https://doi.org/10.1097/BOT.0b013e3182009ce5)

Archdeacon MT, **Kazemi N**, Guy P, Sagi HC. The Modified Stoppa Approach for Acetabular Fracture. *J Am Acad Orthop Surg*. 2011;19:170-75. http://journals.lww.com/jaaos/Fulltext/2011/03000/the_modified_stoppa_approach_for_a_cetabular_fractu.6.aspx

Archdeacon MT, Kuhlman G, **Kazemi N**. Fellow's Corner: Grand Rounds from the University of Cincinnati. Painful Superior and Inferior Pubic Rami Nonunion. *J Orthop Trauma*. 2010;24:e109-12. [10.1097/BOT.0b013e3181d527f2](https://doi.org/10.1097/BOT.0b013e3181d527f2)

Rostovtseva TK, Petrache HI, **Kazemi N**, Hassanzadeh E, Bezrukov SM. Interfacial Polar Interactions Affect Gramicidin Channel Kinetics. *Biophys J*. 2008;94:L23-5. [PMC2212686](https://pubmed.ncbi.nlm.nih.gov/12686/)

Rostovtseva TK, **Kazemi N**, Weinrich M, Bezrukov SM. Voltage Gating of VDAC is Regulated by Nonlamellar Lipids of Mitochondrial Membranes. *J Biol Chem*. 2006;281:37496-506.
[10.1074/jbc.M602548200](https://doi.org/10.1074/jbc.M602548200)

GRANTS

University Orthopaedic Research and Education Foundation (UOREF), University of Cincinnati

Identification of Molecular Pathways Leading to Tendon Restoration Following Injury
PI's: Jason Shearn, PhD & **Namdar Kazemi, MD**.

Amount: \$25,175

Status: Accepted

University Orthopaedic Research and Education Foundation (UOREF), University of Cincinnati

Suprapatellar versus Trans-Patellar Entry Portal for Tibial Shaft Fractures: A Prospective Randomized Study of Functional Outcomes and Dynamic Gait Analysis

PI's: **Namdar Kazemi, MD** & Michael Archdeacon MD.

Amount: \$17,000

Status: Accepted

BOOK CHAPTERS

Olujimi VA, Cagle PJ, **Kazemi N**, Flatow EL. Open Unconstrained Revision Shoulder Arthroplasty. In: *Operative Techniques: Shoulder and Elbow Surgery*. 2nd Ed. Elsevier Publishing. *Awaiting publication*.

Kazemi N, Kakazu R, Archdeacon MT. Modified Clamshell Osteotomy for Treating Acute Tibial Shaft Fractures with Pre-Existant Malunion. In: *Fractures of the Tibia: A Clinical Casebook*. Springer Publishing. *Awaiting publication*.

Kazemi N, Greiwe M. Fractures of Proximal Forearm. In: *Shoulder and Elbow Trauma*. Woodhead Publishing Limited. 2015:119-143

Agabegi SS, **Kazemi N**, Crawford AH. Pediatric Kyphosis: Scheuermann Disease and Congenital Deformity. In: Herkowitz HN, Garfin SR, Eismont FJ, Rothman Simeone The Spine, 6th Edition. Philadelphia, PA: Elsevier Saunders; 2011:451-468.

POSTERS

Lalley A, **Kazemi N**, Dymont NA, Kenter K, Butler D, Shearn J. The MRL/MpJ Exhibits Improved Biomechanical Outcomes with Increased Cellular Proliferation Following Full-Length, Full-Thickness Central Patellar Tendon Injury. *Orthop Research Society Annual Meeting, New Orleans, LA*. March 15-18, 2014.

Lalley A, **Kazemi N**, Dymont NA, Kenter K, Butler D, Shearn J. The Murphy Roths Large Mouse Exhibits Improved Healing Following a Central Patellar Tendon Injury. *Gallery of Excellence, Research Week, University of Cincinnati Medical Center, Cincinnati, OH*. Oct 24, 2013.

Dheurle A, Le TT, **Kazemi N**, Archdeacon MT, Wyrick J. Prospective Randomized Comparison of Locked Plates vs. Non-Locked Plates for the Treatment of High-Energy Pilon Fractures. Accepted to *Orthop Trauma Association 29th annual meeting, Phoenix, AZ*. Oct 9-12, 2013.

Lalley A, **Kazemi N**, Dymont NA, Kenter K, Butler D, Shearn J. The Murphy Roths Large Mouse Exhibits Improved Healing Following a Central Patellar Tendon Injury. *Gordon Research Conference: Tissue Repair and Regeneration Annual Meeting, New London, NH*. Jun 15-16, 2013.

Lalley A, **Kazemi N**, Dymment NA, Kenter K, Butler D, Shearn J. Potential Murine Model for Tendon Regeneration? *Orthop Research Society Annual Meeting, San Antonio, TX*. Jan 26-29, 2013.

Lalley A, **Kazemi N**, Kenter K, Butler D, Shearn J. Improved Biomechanical Properties Following a Central Patellar Tendon Injury in the MRL Mouse. *Collaborate to Innovate Research Week, University of Cincinnati Medical Center, Cincinnati, OH*. Nov 13-16, 2012.

Dymment NA, Liu CF, **Kazemi N**, Aschbacher-Smith L, Kenter K, Breidenbach A, Shearn J, Wylie C, Butler D. The Influence of the Paratenon and Adjacent Struts on Patellar Tendon Healing. *Gordon Research Conference Annual Meeting, Andover, NH*. Aug 5-10, 2012.

Dymment N, Liu CF, **Kazemi N**, Aschbacher-Smith L, Kenter K, Breidenbach A, Shearn J, Wylie C, Butler D. Expression Patterns of Tenogenic Markers Following Full-Length Patellar Tendon Injury. *Orthop Research Society Annual Meeting, San Francisco, CA*. Feb 4-7, 2012.

Le TT, **Kazemi N**, Lee G, Archdeacon MT, Wyrick JD. Prospective Comparison of Locked Plates vs. Non-Locked Plates for the Treatment of High-Energy Pilon Fractures. *Orthop Trauma Association 26th annual meeting, Baltimore, MD*. Oct 13-16, 2010.

Le TT, **Kazemi N**, Lee G, Archdeacon MT, Wyrick JD. Prospective Comparison of Locked Plates vs. Non-Locked Plates for the Treatment of High-Energy Pilon Fractures. *AO North America Multidisciplinary Meeting, Phoenix, AZ*. Nov 11-14, 2010.

Dymment NA, **Kazemi N**, Aschbacher-Smith LE, Barthelery NJ, Kenter K, Gooch C, Shearn JT, Wylie C, Butler DL. Transgenic Murine Full-Length Patellar Tendon Defect Model to Study Midsubstance and Insertional Healing. *Orthop Research Society Annual Meeting, Long Beach, CA*. Jan 13-16, 2011.

Dymment NA, **Kazemi N**, Aschbacher-Smith LE, Barthelery NJ, Kenter K, Gooch C, Shearn JT, Wylie C, Butler DL. The Relationships Among Spatiotemporal Gene Expression, Histology, and Biomechanics Following Full-Length Injury in the Murine Patellar Tendon. *American Society of Mechanical Engineers Annual Meeting, Dallas, TX*. June 10-15, 2011.

PRESENTATIONS

Kazemi N, Archdeacon MT, Collinge C, Budde B, Schnell S. Protrusio Fractures of the Acetabulum in Patients Older Than 70. *Annual DJ Frank Memorial Lectureship, Cincinnati, OH*. May 2014.

Kazemi N, Archdeacon MT. Immediate Full Weightbearing After Percutaneous Fixation of Anterior Column Acetabulum Fractures. *Mid America Orthopaedic Association Annual Meeting, Tucson, AZ*. Apr 6-10, 2011.

Kazemi N, Archdeacon MT. Aggressive Anterior Column Acetabulum Weightbearing. *Annual DJ Frank Memorial Lectureship, Cincinnati, OH*. May 2010.

RESEARCH IN PROGRESS

Suprapatellar versus Trans-Patellar Entry Portal for Tibial Shaft Fractures: A Prospective Randomized Study of Functional Outcomes and Dynamic Gait Analysis

Kazemi N, Archdeacon MT, Wyrick J, Le TT, Finnan RP, Long J.
In progress

LECTURES

Common Shoulder Conditions

Community Lectureship Series
Aspen Valley Hospital
January 2017, August 2017

Management of Proximal Humerus Fractures

Western Orthopaedic Association Annual Meeting
Grand Junction, CO
April 2017

Review of Shoulder Trauma

Physician Assistant Boot Camp
Aspen Valley Hospital, Department of Orthopaedics
December 2016

Rehabilitation after Rotator Cuff Repair

Physical Therapy Department
Aspen Valley Hospital
November 2016

Fractures of the Proximal Humerus

Trauma Lectureship Series
Aspen Valley Hospital
October 2016

Bone Loss in Shoulder Arthroplasty

Grand Rounds Presentation
University of Cincinnati, Department of Orthopaedics
May 2015

Suprapatellar Versus Transpatellar Tibial Nailing: An Update

Trauma Lectureship Series
University of Cincinnati, Department of Orthopaedics
May 2015

Cup and Stem Fixation Option in Hip Arthroplasty

Joints Lectureship Series
University of Cincinnati, Department of Orthopaedics
March 2014

Total Elbow Arthroplasty: An Overview

Grand Rounds Presentation
University of Cincinnati, Department of Orthopaedics
February 2013

Elbow Terrible Triad Injury

Hand Specialty Conference
Hand Surgery Specialists, Cincinnati, OH
January 2013

Skeletal Muscle

Basic science Conference
University of Cincinnati, Department of Orthopaedics
May 2012

EXPERIENCE

- 12/04-7/05 **General Chemistry Teacher, The Princeton Review, Washington, DC**
- Taught General Chemistry for the MCAT Preparation Course
- 1/04-5/04 **Tutor, Academic Achievement Program, U of Maryland, College Park, MD**
- Tutored General Chemistry
- 1/02-5/03 **Volunteer, University of Maryland Health Center, College Park, MD**
- Volunteered in the student clinic
- 8/00-6/03 **Field Technician, MAFI Associates, Inc. Potomac, MD**
- Geotechnical Engineering Field Technician, certified to use Nuclear Moisture-Density Gauge

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Academy of Orthopaedic Surgeons, Resident Member
- Golden Key Honor Society
- Phi Theta Kappa Honor Society
- National Society of Collegiate Scholars

HONORS AND AWARDS

- Chief Resident Peer Award, University of Cincinnati Department of Orthopaedics, May 2015.
- Arthroscopy Association of North America (AANA), Resident Scholarship, May 2014
- American Orthopaedic Association (AOA), Resident Leadership Forum, June 2014.
- Finalist Poster, *Improved Biomechanical Properties Following a Central Patellar Tendon Injury in the MRL Mouse*. University of Cincinnati Research Week, 2012
- Horowitz Scholarship, 2006-2009
- Monta Sommer Memorial Scholarship, 2005-2006
- Howard Hughes Medical Fellowship, 2003-2004
- Life Sciences Dean's List, 2001-2004

EXTRACURRICULAR ACTIVITIES

University of Cincinnati, Cincinnati, OH

- Annual "Basic Splinting Workshop" for medical students (MS I-IV)
- Annual "Basic Physical Exam Workshop" for medical students (MS I-IV)

The George Washington University, Washington, DC

- President, Surgery Interest Group, 2006-2007
- Intramural Soccer, School of Medicine, 2005-2009
- Intramural Tennis Doubles Champions, School of Medicine, 2005-2006

University of Maryland, College Park, MD

- Member, Student Health Advisory Committee
- Social Chair, Pre-Medical Society

TEAM COVERAGE

- Holmes High School, Covington, KY. 2011-2014

HOBBIES/LANGUAGES

- Cycling, Tennis (Doubles Second Place, Region XX NJCAA, 2000), skiing
- Proficient in Farsi