

# Namdar Kazemi, MD

-----Kazemi.Namdar@gmail.com-----

## APPOINTMENTS

- 05/23-Present     Orthopaedic Surgeon  
**The Christ Hospital**  
**Cincinnati, OH**
- 03/21-03/23     Orthopaedic Surgeon  
**Washington Orthopaedic Center**  
**Centralia, WA**
- 10/16-12/20     Orthopaedic Surgeon  
**OrthoAspen**  
**Aspen Valley Hospital, Aspen, CO**
- 08/19-07/20     Chair, Department of Surgery  
**Aspen Valley Hospital, Aspen, CO**

## 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

Singh V, Hayes HV, **Kazemi N**, Dey S, Parikh SN. The Holstein-Lewis Humerus Shaft Fracture in Children: Are they Different from Adults? *J Pediatr Orthop B*. 2022;31(3):274-280

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

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.

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.

Lalley AL, Dymant 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

Dymant 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.

Archdeacon MT, **Kazemi N**, Collinge C, Budde B, Schnell S. Treatment of Protrusio Fractures of the Acetabulum in Patients 70 Years or Older. *J Orthop Trauma*. 2013;27:256-61.

**Kazemi N**, Grawe B, Le TT. Locking Plate Technology and Hybrid Plating Techniques: Current Concepts and Review. *Curr Orthop Pract*. 2012;23:486-91.

**Kazemi N**, Archdeacon MT. Immediate Full Weightbearing after Percutaneous Fixation of Anterior Column Acetabulum Fractures. *J Orthop Trauma*. 2012;26:73-9.

Dymant 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.

**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.

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.

Archdeacon MT, **Kazemi N**, Guy P, Sagi HC. The Modified Stoppa Approach for Acetabular Fracture. *J Am Acad Orthop Surg*. 2011;19:170-75.

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.

Rostovtseva TK, Petrache HI, **Kazemi N**, Hassanzadeh E, Bezrukov SM. Interfacial Polar Interactions Affect Gramicidin Channel Kinetics. *Biophys J*. 2008;94:L23-5.

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.

## 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. 2<sup>nd</sup> 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, 6<sup>th</sup> 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 29<sup>th</sup> 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**, Dymont 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.

Dymont 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.

Dymont 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 26<sup>th</sup> 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.

Dymont 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.

Dymont 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.

## LECTURES

*Practicing in a Small Resort Town: What I've Learned*

Grand Rounds  
Mt. Sinai Hospital Department of Orthopaedics  
New York, NY  
November 2019

*Shoulder Arthritis: Diagnosis, Management, and the Cutting Edge*

Community Lectureship Series  
Basalt Regional Library, Basalt, CO  
September 2017

*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

#### **PROFESSIONAL SOCIETY MEMBERSHIPS**

- American Shoulder & Elbow Society (ASES), Candidate Member
- American Board of Orthopaedic Surgery (ABOS)
- American Academy of Orthopaedic Surgeons (AAOS), Candidate Member
- Golden Key Honor Society
- Phi Theta Kappa Honor Society
- National Society of Collegiate Scholars

#### **EDITORIAL APPOINTMENTS**

- Reviewer, Journal of Shoulder & Elbow Surgery (JSES)

#### **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

## **EXPERIENCE**

- 12/04-7/05      **General Chemistry Teacher, The Princeton Review, Washington, DC**
- 1/04-5/04      **Tutor, Chemistry, Academic Achievement Program, U of Maryland, College Park, MD**
- 1/02-5/03      **Volunteer, University of Maryland Health Center, College Park, MD**
- 8/00-6/03      **Field Technician, MAFI Associates, Inc. Potomac, MD**

## **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