

Brandon S. Beamer M.D.

Orthopaedic Surgery – Sports Medicine and Shoulder Replacement

Office Address:

Bridger Orthopedics and Sports Medicine
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Employment History:

08/16-05/23 Marshall Orthopedics and Sports Medicine, Marshall Medical Center, Placerville, CA
06/23-Present Bridger Orthopedic and Sports Medicine, Bozeman, MT

Board Certification:

07/18-07/28 American Board of Orthopedic Surgery (ABOS) board certified

Education:

08/01-05/05 University of California Berkeley, Berkeley, CA; Bachelor of Arts, Molecular and Cell Biology with Honors
08/06-06/10 Weill Cornell Medical College, New York, NY; Doctor of Medicine with Honors

Post-Graduate Education and Training:

06/10-06/11 Massachusetts General Hospital, Boston, MA; Internship in General and Orthopaedic Surgery
06/11-06/15 Harvard Combined Orthopaedic Surgery Residency Program, Boston, MA; Program Director: George Dyer M.D.
08/15-08/16 Stanford Orthopaedic Sports Medicine Fellowship, Palo Alto, CA; Fellowship Director: Marc Safran M.D.

Medical Licensure:

06/13 Massachusetts State Medical License – #255568 (inactive)
04/15 California State Medical License - #A135946 (active)
01/23 Montana State Medical License - #118324 (active)

Professional Society Memberships:

07/10-Present American Academy of Orthopedic Surgery (AAOS)
08/16-Present American Orthopedic Society for Sports Medicine (AOSSM)
08/16-Present Arthroscopy Association of North America (AANA)

Administrative Service:

07/11-06/15 Harvard Combined Orthopedic Surgery Residency Arthroscopy Wet Lab – Program developer and coordinator responsible for curriculum development and teaching junior residents
01/20-03/22 Vice Chair Surgical Services, Marshall Medical Center
02/20-05/23 Member of Strategic Planning Committee, Marshall Medical Center
07/21-05/23 Medical Director of Outpatient Surgery, Marshall Medical Center
03/22-05/23 Chair of Surgical Services, Marshall Medical Center
03/22-05/23 Medical Executive Committee, Marshall Medical Center

Honors and Awards:

- 05/05 I.L. Chaikoff Award for Outstanding Research in Cell and Developmental Biology, “*Development of a Killed but Metabolically Active Vaccine for Anthrax*,” University of California Berkeley
- 06/07 Hospital for Special Surgery Student Research Fellow
- 03/09 1st Place Scientific Poster in Metabolic Bone/Tumor Classification, “*Hypovitaminosis D in Patients Scheduled to Undergo Orthopaedic Surgery: A Single Center Analysis*,” American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, Las Vegas, NV
- 06/10 Doctor of Medicine with Honors in Research, Weill Cornell Medical College, New York, NY
- 06/12 AOSSM Cabaud Memorial Award, *The Effect of Mechanical Loading on Tendon-to-Bone Healing*. Hettrich CM, Gasinu S, Beamer B, Stasiak M, Fox A, Deng X, Rodeo S.
- 05/14 New England Orthopaedic Society Best Resident Paper Presentation, *Does Fluoroscopy Improve Acetabular Component Placement During Total Hip Arthroplasty?*
- 12/17 Selected as a “Top Doctor” in Orthopedic Surgery – Sacramento Magazine
- 09/21, 9/22 Selected as a “Top Doctor” in El Dorado County – Style Magazine

Team Coverage Experience:

- 09/11-11/14 Boston Public Schools Sports Medicine Initiative – Physician team coverage of inner-city public school football games, volunteer 2011 and 2012 seasons, coordinator 2013 and 2014 seasons.
- 08/15-08/16 Assistant Team Physician San Francisco 49ers, Santa Clara, CA
- 08/15-08/16 Assistant Team Physician Stanford Athletics – Football, Basketball, Baseball, Volleyball – Stanford, CA
- 08/15-08/16 Assistant Team Physician Notre Dame de Namur University Athletics, Belmont, CA
- 08/16-Present Team Physician Oak Ridge High School Athletics, El Dorado Hills, CA
- 08/16-Present Team physician for Team Alpha Male - professional UFC team, Sacramento, CA

Grant Support:

- 06/13 OREF Resident Clinician Scientist Grant – \$20,000 award grant recipient for a biomechanical study of horizontal cleavage meniscus tear repair, analyzing the effects of repair and resection on tibiofemoral contact pressures in human cadaveric knees. Mentors: Arun Ramappa M.D., Ara Nazarian Ph.D

Peer-Reviewed Publications:

1. **Beamer B**, Hettrich CM, Lane JM. *Vascular Endothelial Growth Factor: an Essential Component of Angiogenesis and Fracture Healing*. HSS J. 2010 February; 6(1): 85–94.
2. *Bogunovic L*, Kim A, **Beamer BS**, Shindle L, Karkare N, Nguyen J, Lane JM. *Hypovitaminosis D in Patients Scheduled to Undergo Orthopedic Surgery: A Single Center Analysis*. J. Bone Joint Surg. Am., October 6, 2010; 92(13): 2300 - 2304
3. Neviasser AS, Hettrich CM, **Beamer BS**, Dines JS, Lorich DG. *Endosteal strut augment reduces complications associated with proximal humeral locking plates*. Clin Orthop Relat Res. 2011 Dec;469(12):3300-6
4. Hettrich CM, Neviasser A, **Beamer BS**, Paul O, Helfet DL, Lorich DG. *Locked plating of the proximal humerus using an endosteal implant*. J Orthop Trauma. 2012 Apr;26(4):212-5.
5. Hettrich CM, **Beamer BS**, Bedi A, Deland K, Deng XH, Ying L, Lane J, Rodeo SA. *The effect of rhPTH on the healing of tendon to bone in a rat model*. J Orthop Res. 2012 May;30(5):769-74.
6. Hettrich CM, Gasinu S, **Beamer BS**, Fox A, Ying O, Deng XH, Rodeo SA. *The Effect of Immobilization on the Native and Repaired Tendon-to-Bone Interface*. J Bone Joint Surg Am. 2013 May 15;95(10):925-30
7. Hettrich C, Gasinu S, **Beamer BS**, Stasiak M, Fox A, Birmingham P, Deng X, Rodeo S. *The Effect of Mechanical Loading on Tendon-to-Bone Healing*. Am J Sports Med. 2014 May;42(5):1233-41

8. **Brandon Beamer**, Jordan Morgan, Christopher Barr, Michael Weaver, Mark Vrahas. *Does Fluoroscopy Improve Acetabular Component Placement During Total Hip Arthroplasty?* Clin Orthop Relat Res. 2014 Sep 20
9. **Brandon Beamer**, KC Walley, Ethan Harlow, Ohan Manoukian, Aidin Masoudi, Ben Hurtz, Claudia Haeussler, Jeffrey Olson, Ara Nazarian, Joseph Deangelis, Arun Ramappa. *Analysis of a New All-Inside Versus Inside-Out Technique for Repairing Radial Meniscal Tears.* Journal of Arthroscopy. Feb 2015. pii: S0749-8063(14)00710-5.
10. Aidin Masoudi, **Brandon Beamer**, Ethan Harlow, Ohan Manoukian, KC Walley, Ben Hurtz, Claudia Haeussler, Jeffrey Olson, Ara Nazarian, Arun Ramappa, Joseph Deangelis. *Biomechanical Evaluation of an All-Inside Suture-Based Device for Repairing Longitudinal Meniscus Tears.* Journal of Arthroscopy. March 2015. pii: S0749-8063(14)00735-X
11. Robert Spang, MD, **Brandon Beamer, MD**, Amit Sood, MD, Jon J.P. Warner, MD. *Technical Tip for Prosthesis of Antibiotic-Loaded Acrylic Cement (PROSTALAC) Use for Infection after Shoulder Arthroplasty.* Orthopaedic Journal of Harvard Medical School. 2015 June (16)107-111
12. McAdams T, Deimel J, Ferguson J, **Beamer BS**, Beaulieu C. *Chondral Rib Fractures in American Professional Football: Two Cases and Current Practice Patterns amongst NFL Team Physicians.* Orthopaedic Journal of Sports Medicine, February 2016
13. **Brandon Beamer**, KC Walley, Stephen Okajima, Ohan Manoukian, Miguel Perez, Joseph DeAngelis, Arun Ramappa, Ara Nazarian. *Biomechanical Analysis of Tibiofemoral Contact Pressures After Novel Repair of Meniscus Horizontal Cleavage Tears.* Journal of Arthroscopy, March 2017
14. Hettrich CM, Gasinu S, Birmingham P, Stasiak M, Fox A, **Beamer BS**, Packer J, Deng X, Rodeo S. *Immediate vs. Delayed Loading Post-Operatively – Which Produces the Strongest Tendon to Bone Interface?* In revision for American Journal of Sports Medicine

Book Chapters:

1. **Beamer BS**, Heyworth BE, Yen YM, Kocher MS. In Nho S, Larson C, Bedi A, Kelly B (eds). *Surgical Technique: Arthroscopic Treatment of Chronic Slipped Capital Femoral Epiphysis (SCFE).* *Hip Arthroscopy and Hip Joint Preservation Surgery.* Springer New York. New York, NY. February 14, 2015. 1253 pages.
2. **Beamer BS**, McCormick F., Brian Cole, Joshua Harris (eds). *Patient- and Surgeon-Reported Outcomes Assessment in Cartilage Replacement Surgery.* *Biologic Knee Reconstruction: A surgeon's guide.* SLACK Inc., Thorofare NJ. In press

Presentations:

1. Bogunovic L, Shindle L, Karkare N, **Beamer BS**, Kim A, Nguyen J, Lane JM. *Prevalence of Vitamin D deficiency Among Surgical Orthopedic Patients: A Single Center Analysis.* Poster Presentation. American Society for Bone and Mineral Research 30th Annual Meeting. September 12 -16, 2008. Montreal, Canada.
2. **Beamer BS**, Bogunovic L, Shindle L, Lane JM. *Prevalence and Risk Factors for Vitamin D Insufficiency Among Orthopaedic Trauma Patients.* Poster Presentation. American Academy of Orthopaedic Surgeons 2009 Annual Meeting. February 25-28, 2009. Las Vegas, Nevada.
3. Bogunovic L, Shindle L, Karkare N, **Beamer BS**, Kim A, Nguyen J, Lane JM. *Hypovitaminosis D in Patients Scheduled to Undergo Orthopedic Surgery: A Single Center Analysis.* Poster Presentation. American Academy of Orthopaedic Surgeons 2009 Annual Meeting. February 25-28, 2009. Las Vegas, Nevada.
4. Hettrich CM, **Beamer BS**, Bedi A, Ling L, Rodeo SA. *The Effect of Parathyroid Hormone on the Healing of Tendon to Bone in a Rat Model.* Poster Presentation. Eastern Orthopaedic Association 2009 Annual Meeting. June 17 – 20, 2009. Paradise Island, Bahamas

5. Hettrich CM, **Beamer BS**, Bedi A, Ling L, Rodeo SA. *The Effect of Parathyroid Hormone on the Healing of Tendon to Bone in a Rat Model*. Poster Presentation. Orthopaedic Research Society Annual Meeting, March 6 – 9, 2010, New Orleans, Louisiana
6. Hettrich CM, Gasinu S, **Beamer BS**, Stasiak M, Fox A, Birmingham P, Packer J, Deng X, Rodeo S. *Immediate vs. Delayed Loading Post-Operatively – Which Produces the Strongest Tendon to Bone Interface?* Poster Presentation. Orthopaedic Research Society Annual Meeting, March 6 – 9, 2010, New Orleans, Louisiana
7. Hettrich C, **Beamer BS**, Bedi A, Ling L, Rodeo S. *The Effect of Parathyroid Hormone on the Healing of Tendon to Bone in a Rat Model*. Podium Presentation. American Academy of Orthopaedic Surgeons Annual Meeting, March 9 – 11, 2010, New Orleans, Louisiana
8. Hettrich C, Gasinu S, **Beamer BS**, Stasiak M, Fox A, Birmingham P, Deng X, Rodeo S. *The Effect of Mechanical Loading on Tendon-to-Bone Healing*. Podium Presentation. American Academy of Orthopaedic Surgeons Annual Meeting, February 18, 2011, San Diego, California
9. Ramappa A, **Beamer BS**, Masoudi A, Manoukian O, Walley K, Harlow E, Nazarian A, DeAngelis J. *A Biomechanical Evaluation of An All-Inside Radial Meniscal Tear Repair Device with Matched Inside-Out Suture Repair*. Poster presentation 2014 Arthroscopy Association of North America Annual Meeting. Abstract ID #390
10. Ramappa A, **Beamer BS**, Masoudi A, Manoukian O, Walley K, Harlow E, Nazarian A, DeAngelis J. *A Biomechanical Evaluation of An All-Inside Longitudinal Meniscal Tear Repair Device with Matched Inside-Out Suture Repair*. Poster presentation 2014 Arthroscopy Association of North America Annual Meeting. Abstract ID #388
11. **Beamer BS**, Masoudi A, Harlow E, Manoukian O, Walley K, Hurtz B, Haeussler C, Olson J, Nazarian A, Ramappa A, DeAngelis J. *A Biomechanical Evaluation of An All-Inside Radial Meniscal Tear Repair Device with Matched Inside-Out Suture Repair*. Poster presentation 2014 Orthopaedic Research Society Annual Meeting. Abstract ID# 2014-A-1978-ORS
12. **Brandon Beamer**, Jordan Morgan, Christopher Barr, Michael Weaver, Mark Vrahas. *Does Fluoroscopy Improve Acetabular Component Placement During Total Hip Arthroplasty*. Podium presentation 2014 New England Orthopaedic Society Annual meeting, May 2014.
13. **Brandon Beamer**, Jordan Morgan, Christopher Barr, Michael Weaver, Mark Vrahas. *Does Fluoroscopy Improve Acetabular Component Placement During Total Hip Arthroplasty*. Poster presentation 2014 Massachusetts General Hospital Research Symposium. October 2014.
14. Masoudi A, **Beamer BS**, Harlow E, Manoukian O, Walley K, Hurtz B, Haeussler C, Olson J, Nazarian A, Ramappa A, DeAngelis J. *A Biomechanical Evaluation of An All-Inside Radial Meniscal Tear Repair Device with Matched Inside-Out Suture Repair*. Poster Presentation. Orthopaedic Research Society Annual Meeting 2014, Abstract ID# 2014-A-1373-ORS
15. **Brandon Beamer**, KC Walley, Stephen Okajima, Ohan Manoukian, Miguel Perez, Joseph DeAngelis, Arun Ramappa, Ara Nazarian. *Biomechanical Analysis of Tibiofemoral Contact Pressures After Novel Repair of Meniscus Horizontal Cleavage Tears*. Poster Presentation. Orthopaedic Research Society Annual Meeting 2015, Las Vegas, NV.