

Curriculum Vitae

Keith M. Baumgarten, MD

Orthopedic Institute
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Certification

American Board of Orthopaedic Surgery

Diplomate, 2007

Medical School Appointments

Sanford School of Medicine

Sioux Falls, South Dakota

Academic Associate Professor in Surgery April 2008 to Present

Clinical Instructor in Surgery June 2006 to April 2008

Educational Background

Hospital for Special Surgery

New York, New York

Fellowship in Sports Medicine and Shoulder Surgery, July 2005

Washington University – Barnes Jewish Hospital

St. Louis, Missouri

Residency in Orthopaedic Surgery, June 2004

Washington University – Barnes Jewish Hospital

St. Louis, Missouri

Internship in General Surgery, June 2000

The Johns Hopkins School of Medicine

Baltimore, Maryland

Doctorate of Medicine, May 1999

The Johns Hopkins University

Baltimore, Maryland

B.A. in Biology, May 1995

Publications

1. **Baumgarten KM**. Arthroscopic Fixation of a Type II – variant, Unstable Distal Clavicle Fracture. A Case Report. Accepted: Orthopedics.
2. **Baumgarten KM**, Gerlach D, Boyer MI. Corticosteroid Injections in Diabetic Patients with Trigger Finger: A Prospective, Randomized, Controlled Double-blinded Study. *Journal of Bone and Joint Surgery* 2007; 89: 2604-11.
3. **Baumgarten KM**, Fealy S, Lyman S, Wickiewicz TL. The Coronal Plane High Tibial Osteotomy. Part I: A Clinical and Radiographic Analysis of Intermediate Term Outcomes. *Hospital of Special Surgery Journal* 2007; 3: 147-54.
4. **Baumgarten KM**, Meyers KN, Fealy S, Wright TM, Wickiewicz TL. The Coronal Plane High Tibial Osteotomy. Part II: A Comparison of Axial Rotation with the Opening Wedge High Tibial Osteotomy. *Hospital of Special Surgery Journal* 2007; 3: 155-58.
5. **Baumgarten KM**. Current Concepts in the Treatment of Full Thickness Rotator Cuff Tears. *South Dakota Medicine* 2007; 60: 303-311.
6. **Baumgarten KM** and Wright RW. Ease of tying arthroscopic knots. *Journal of Shoulder and Elbow Surgery* 2007; 16: 438-42.
7. **Baumgarten KM**, Dines JS, Winchester PA, Altchek DW, Fantini GA, Weiland AJ, and Allen A. Axillary Artery Aneurysm with Distal Embolization in a Major League Baseball Pitcher. *American Journal of Sports Medicine* 2007; 35: 650-3.
8. **Baumgarten KM**, Altchek DW, Cordasco FA. Arthroscopically-assisted acromioclavicular joint reconstruction. *Arthroscopy* 2006; 22: 228.e1-228.e6.
9. **Baumgarten KM** and Altchek DW. Treatment options for recurrent posterior shoulder instability. *Techniques in Shoulder and Elbow Surgery* 2005; 6: 160-170.
10. Walker JC, **Baumgarten KM**, Wright RW. Arthroscopic knot tying principles and instruments. *Operative Techniques in Sports Medicine* 2004; 12: 240-244.
11. Mont MA, Rifai A, **Baumgarten KM**, Sheldon M, Hungerford DS. Total knee arthroplasty for osteonecrosis. *Journal of Bone and Joint Surgery* 2002; 84A: 599-603.
12. **Baumgarten KM**, Mont MA, Rifai A, Hungerford DS. Atraumatic osteonecrosis of the patella. *Clinical Orthopaedics and Related Research* 2001; 383: 191-196
13. **Baumgarten KM**, Mont MA, Rifai A, Hungerford DS. Characterization, prognosis, and treatment of osteonecrosis of the knee. *American Journal of Medicine and Sports* 2000; 2: 325-331.

Publications (cont.)

14. Mont MA, **Baumgarten KM**, Rifai A, Bluemke DA, Jones LC, Hungerford DS. Atraumatic osteonecrosis of the knee. *Journal of Bone and Joint Surgery* 2000; 82A: 1279-1290.
15. **Baumgarten KM**, Gerstenblith G, Weiss RG. High extracellular K⁺ during hypoxic preconditioning episodes attenuates the post-ischemic contractile and ionic benefits of preconditioning. *Journal of Molecular and Cellular Cardiology* 1999; 31: 203-213.
16. Ramahi TM, **Baumgarten KM**, Ezekowitz MD. Anticoagulant and platelet inhibitor therapy: an overview of recent randomized trials. *Cardiology in the Elderly* 1993; 1: 163-169.

Current Research

1. **Baumgarten KM**, Gerlach D, Galatz LM, Teefey SA, Middleton WD, Ditsios K, Yamaguchi K. Smoking Increases the Risk for Rotator Cuff Tears. Submitted for Publication.
2. **Baumgarten KM**, Wright RW. Mechanical Properties of Arthroscopic Knots. Submitted for Publication.
3. **Baumgarten KM** and Wright RW. A Survey of AOSSM Membership for Arthroscopic Knot preferences. Submitted for publication.
4. **Baumgarten KM**, Vidal A, and Wright RW. A Systematic Review of Post-Operative Rehabilitation after Rotator Cuff Repair. Submitted for publication.
5. Multi-centered Orthopaedic Outcomes Network for the Shoulder. Features to predict success with non-operative treatment of patients with rotator cuff tears. In progress.

Books

1. **Baumgarten KM**, Wright RW. *Arthroscopic Knot Tying: An Instruction Manual*. Lippincott, William, and Wilkins, Philadelphia. 2004.

Abstract Presentations

1. **Baumgarten KM**, Gerlach D, Boyer MI. Corticosteroid Injections in Diabetic Patients with Trigger Finger: A Prospective, Randomized, Controlled Double-blinded Study. Accepted for presentation: American Academy of Orthopaedic Surgeons. 2008.
2. **Baumgarten KM**, Rick W. Wright. The Majority of Arthroscopic Surgeons Are Not Using the Biomechanically Optimal Knot Configurations. Washington University Orthopaedic Society. 2008
3. **Baumgarten KM**, Gerlach D, Boyer MI. Corticosteroid Injections in Diabetic Patients with Trigger Finger: A Prospective, Randomized, Controlled Double-blinded Study. American Society for Surgery of the Hand. 2007.
4. **Baumgarten KM**, Gerlach D, Galatz LM, Teefey SA, Middleton WD, Ditsios K, Menendez J, Yamaguchi K. Smoking Increases the Risk for Rotator Cuff Tears. American Academy of Orthopaedic Surgeons, 2005.
5. **Baumgarten KM**, Wright RW. Mechanical Properties of Arthroscopic Knots. American Academy of Orthopaedic Surgeons, 2005.
6. **Baumgarten KM**, Mont MA, Etienne G, Ragland P, Jones LC, Hungerford DS, Bluemke D. The Prognostic Value of Magnetic Resonance Imaging for Avascular Necrosis of the Knee. American Academy of Orthopaedic Surgeons, 2005.
7. Yamaguchi K, **Baumgarten KM**, Gerlach DJ, Ditsios K, Teefey SA, Middleton WD, Hildebolt CF, Galatz L. The Demographics and Morphology of Rotator Cuff Disease: A Comparison of Asymptomatic and Symptomatic Shoulders. 9th International Congress on Surgery of the Shoulder, 2004. **Outstanding Scientific Presentation Award.**
8. **Baumgarten KM**, Wright RW. Arthroscopic Knot Tying: Ease of Knot Tying and Surgeon Confidence in Ten Commonly Used Knots. Arthroscopic Association of North America, 2004.
9. Rifai A, Mont MA, **Baumgarten KM**, Hungerford DS. Outcome of Total Knee Replacement in Patients with Atraumatic Osteonecrosis of the Knee. American Academy of Orthopaedic Surgeons, 2000.
10. **Baumgarten KM**, Gerstenblith G, Weiss RG. High Extracellular K⁺ During Hypoxic Preconditioning Episodes Attenuates the Post-Ischemic Contractile and Ionic Benefits of Preconditioning. American College of Cardiology, 1996.

Book Chapters

1. **Baumgarten KM** and Wickiewicz TL. The role of knee osteotomy in articular cartilage repair. In Williams R ed: Strategies in Cartilage Repair. Totowa, Humana Press, 2007.
2. **Baumgarten KM**, Lashgari C, Yamaguchi K. Glenoid resurfacing in shoulder arthroplasty: Indications and contraindications. Instructional Course Lectures 2004; 53: 3-11.
3. Mont MA, Rifai A, **Baumgarten KM**, Hungerford DS: Osteonecrosis of the knee. In Insall JN, Scott WN eds: Surgery of the Knee. New York, Churchill Livingstone, 2001, pp 438-455.

Grant Experience

1. Investigators: **Baumgarten KM**, Gelberman RH, Manske P, Boyer MI.
Title: Corticosteroid injections in diabetic patients with trigger finger: A prospective, randomized, controlled double-blinded study.
Agency: Orthopaedic Research and Education Foundation – Resident Award
Award: \$15,000
Period: 2003-2004
2. Investigators: **Baumgarten KM**, Wright RW
Title: Arthroscopic Knots: Mechanical Properties and Facility in Their Use
Agency: Ethicon Corporation
Award: \$5,000
Period: 2003
3. Investigators: **Baumgarten KM**, Wright RW
Title: Mechanical Properties of Arthroscopic Knots
Agency: NFL Charities
Award: \$14,000
Period: 2004

Journal Reviewer

2007 - present	Journal of Bone and Joint Surgery
2006 - present	American Journal of Sports Medicine
2006 - 2007	International Journal of Sports Medicine
2005 - 2007	Clinical Orthopaedics and Related Research

Lectureships

- 1) Sports Medicine Symposium
Washington University Orthopaedic Society – Moderator - 2008
- 2) Double Row and Transosseous Equivalent Arthroscopic Rotator Cuff Repair
Arthrex College World Series Baseball Meeting - Course Faculty - 2007
- 3) Arthroscopic Treatment of Acromioclavicular Joint Injuries and Distal Clavicle Fractures
Arthrex College World Series Baseball Meeting - Course Faculty - 2007

Associations

2006 - present	Hospital for Special Surgery Alumni Association
2006 – present	American Medical Association
2005 – present	Arthroscopy Association of North America
2005 - present	American Orthopaedic Society for Sports Medicine Elected Council of Delegates 2008
2005 – present	South Dakota State Medical Association
1999 – present	American Academy of Orthopaedic Surgeons

Honors and Awards

- 2007 Leadership Sioux Falls
- 2004 Leonard Marmor Surgical Arthritis Foundation Award for Resident Research
- 2004 Outstanding Research Award – 9th International Congress on Surgery of the Shoulder
- 2004 Invited to Orthopaedic Resident Education Foundation Research Grant Writing Seminar – April 2004
- 2004 Washington University Orthopaedic Surgery Resident Selection Executive Committee
- 2003 Washington University Resident Representative - American Academy of Orthopaedic Surgeons
- 1995 Robert H. Scott Award - Excellence in Athletics and Scholarship,
Johns Hopkins University
- 1994 Phi Beta Kappa, Johns Hopkins University
- 1994 Golden Key National Honor Society
- 1994 All-Centennial Conference Academic Team - Johns Hopkins University
- 1994 Captain – Johns Hopkins University Soccer Team
- 1994 Division III National Champion Runner-Up – Soccer
- 1993 Alpha Epsilon Delta Pre-medical Honor Society, Johns Hopkins University
- 1991-1995 Dean's List - 8 Semesters, Johns Hopkins University

Team Physician

2007 - present	USHL Sioux Falls Stampede – Head Team Physician
2005 – present	Dakota State University – Head Team Physician
2005 – present	Washington High School, Sioux Falls, SD – Team Physician
2005 - 2007	Southwest Minnesota State University – Head Team Physician
2005 – 2006	O’Gorman High School, Sioux Falls, SD – Team Physician
2004 - 2005	NY Mets Major League Baseball Team – Associate Physician
2004 - 2005	St. Johns University - Associate Team Physician
2004	TD Waterhouse Cup / US Open Series Event Physician
2001-2003	USA Boxing Association Physician