

RYAN G. MIYAMOTO, MD

EDUCATION

Post Graduate:

8/08-7/09 **Steadman-Hawkins Sports Medicine Fellowship**
Vail, CO
Sports Medicine Fellowship

7/03-6/08 **New York University Hospital for Joint Diseases**
New York, NY
Orthopaedic Surgery Residency
4 Month Trauma Rotation at Shock Trauma Center, Baltimore, MD

Medical:

8/99-5/03 **University of Maryland School of Medicine**
Baltimore, MD
Doctor of Medicine: May, 2003

Undergraduate:

9/95-6/99 **Princeton University**
Princeton, NJ
Bachelor of Arts, Molecular Biology: June, 1999

Secondary Education:

9/91-6/95 **Seneca Valley High School**
Germantown, MD
High School Diploma. June, 1995

HONORS/AWARDS

Medical School:

Rush Medical Club Honor Society

Undergraduate:

Princeton Alumni Schools Committee Member
Princeton Varsity Football—Ivy League Champions 1995

PUBLICATIONS

1. **Miyamoto R**, Millet P. "Current Concepts: Distal Biceps Tendon Injuries." *Journal of Bone and Joint Surgery*. Sept 2010; 92: 2128-2137.
2. Min W, Kaplan K, **Miyamoto R**, Tejwani NC. "A unique failure mechanism of a distal radius fracture fixed with volar plating--a case report." *Bull NYU Hosp Jt Dis*. 2010; 68(4); 304-306.
3. Duffy P, **Miyamoto R**. "Medial Collateral Ligament Injuries in the Knee: An Update and Review. *Physician and Sports Medicine*. June 2010; 38(2): 48-54.
4. **Miyamoto R**, Rose D, Egol K. "Treatment of Tibial Stress Fracture in Dancers: A Case Series." *American Journal of Sports Medicine*, June 2009: 37 (6): 1150-1154.
5. **Miyamoto R**, Bosco J, Sherman O. "Treatment of Medial Collateral Ligament Injuries in the Knee." *Journal of the American Academy of Orthopaedic Surgeons*, March 2009: 17(3): 152-161.
6. **Miyamoto R**, Taylor S, Bosco J. "Histological Presentation of Posterior Cruciate Ligament Reconstruction with Achilles Tendon Allograft at 11 Years Post-Op: A Case Report." *American Journal of Orthopaedics*, Jan 2009: (38)1: E25-27.
7. Kaplan K, **Miyamoto R**, Levine B, Egol K, Zuckerman JD. "Surgical Management of Hip Fractures. An Evidence-Based Review of the Literature. Intertrochanteric Fractures." *Journal of the American Academy of Orthopaedic Surgeons*, Nov 2008: 16 (11): 665-673.
8. **Miyamoto R**, Kaplan K, Levine B, Egol K, Zuckerman JD. "Surgical Management of Hip Fractures: An Evidence-Based Review of the Literature. Femoral Neck Fractures." *Journal of the American Academy of Orthopaedic Surgeons*, Oct 2008: 16 (10): 596-607.
9. **Miyamoto R**, Klein GR, Walsh M, Zuckerman JD. "Study Habits of Orthopaedic Surgery Residents and Performance On the Orthopaedic In-Training Examination." *American Journal of Orthopaedics*. 2007; 36(12): E185-188.
10. **Miyamoto R**, Fornari E, Tejwani N. "Hoffa Fragment Associated with A Femoral Shaft Fracture: A Case Report." *Journal of Bone and Joint Surgery Am*. 2006 Oct; 88 (10): 2270-2274.
11. Schneper L, Krauss A, **Miyamoto R**, Fang S, Broach J. "The Ras/Protein Kinase A Pathway Acts in Parallel with the Mob2/Cbk1 Pathway To Effect Cell Cycle Progression and Proper Bud Site Selection." *Eukaryotic Cell*. 2004, 3: 108-120.

12. Solan M, Moorman C, **Miyamoto R**, Jasper L, Belkoff S. "Ligamentous Restraints of the Second Metatarsal Joint: A Biomechanical Evaluation." *Foot and Ankle International*. 2001; 22: 637-641.
13. **Miyamoto R**. "Isolation and Characterization of Genes that are Synthetic Lethal with RAS2 in *Saccharomyces cerevisiae*." Thesis submitted in partial fulfillment for BA degree. Princeton University, 1999.

Manuscripts Submitted

1. **Miyamoto R**, Youm T. "Revision ACL Reconstruction Using a Double Bundle Construct: A Case Report." Manuscript submitted for publication, *Bulletin of the Hospital for Joint Diseases*, 2010.

Book Chapters

1. **Miyamoto R**, Millet P. "Chapter 8: Distal Biceps Tendon Rupture." *Evaluation and Management of Common Upper Extremity Disorders: A Practical Handbook*. Ed: Rohde and Millett. Slack Incorporated; June 2011.
2. **Miyamoto R**, Philippon M. "Common Conditions of the Hip: Chapter 8: Cartilage." *Musculoskeletal Examination of the Hip and Knee*. Ed: Ranawat and Kelly. Slack Incorporated; January 2011.
3. **Miyamoto R**, Steadman J. "Chapter 18: Anterior Cruciate Ligament Tear in the Mature Athlete." *The Care of the Mature Athlete*. Ed: Chen and Hawkins. AAOS; In Press.

RESEARCH EXPERIENCE

Steadman Hawkins Research Foundation, Vail, CO. 2008-2009

Mentors: Tom Hackett, M.D., Charles Ho, M.D.

Evaluation of patient positioning and scoring system of magnetic resonance imaging of the ulnar collateral ligament.

Steadman Hawkins Research Foundation, Vail, CO. 2008-2009

Mentor: Marc Philippon, M.D.

Evaluating outcomes of microfracture during hip arthroscopy and their relation to location of chondral lesion.

University of Maryland Orthopaedic Biomechanics Laboratory, University of Maryland School of Medicine, Baltimore, MD. 1999-2000

Mentors: Stephen M. Belkoff, Ph.D., Claude T. Moorman, III, M.D.

Evaluated strength and stiffness of the various components of the Lisfranc ligament complex in human feet.

National Institutes of Health, NIDCR, Bethesda, MD. Summer 1999

Mentor: Steven Leppla, Ph.D.

Investigated activation of transcription factors in mammalian cells in response to exposure to Anthrax toxin.

Department of Molecular Biology, Princeton University, Princeton, NJ. 1998-1999

Mentor: James Broach, Ph.D.

Analyzed effect of mutations and novel genes involved in Ras2/camp pathway in *Saccharomyces cerevisiae*. Research culminated in senior thesis "*Isolation and Characterization of Genes that are Synthetic Lethal with RAS2 in Saccharomyces cerevisiae.*"

National Institutes of Health, NIDCR, Bethesda, MD. Summer 1997

Mentor: Steven Leppla, Ph.D.

Project involved cloning multiple mutations of Lethal Factor (LF), a component of Anthrax toxin, into various vectors and monitoring the response in mammalian cells.

PRESENTATIONS

Miyamoto R, Duffy P, Ho C, Hackett T. "Optimization of Magnetic Resonance Imaging of the Anterior Bundle of the Ulnar Collateral Ligament." Podium Presentation at the AANA 29th Annual Meeting. May 20, 2010.

Philippon M, **Miyamoto R**, Hay C, Briggs K. "Outcomes Following Hip Arthroscopy with Microfracture: Does Location of the Lesion Matter?" Poster presentation at the 2010 AAOS Annual Meeting. March 9-13, 2010.

Miyamoto, R. Surgical Treatment of Refractory Tibial Stress Fractures in Professional Dancers." American College Sports Medicine-Greater New York Regional Chapter, NYU, October 17, 2009.

Miyamoto R. "Distal Biceps Tendon Ruptures." Steadman-Hawkins Grand Rounds Presentation. April 27, 2009.

Miyamoto R. "Treatment of MCL and Combined Ligamentous Injuries." Steadman-Hawkins Grand Rounds Presentation. November 3, 2008.

Miyamoto R. “Surgical Treatment of Refractory Tibial Stress Fractures in Professional Dancers.” Sir Robert Jones Lecture, NYUHJD, May 9, 2008.

Miyamoto R. “Treatment of MCL and Combined Ligamentous Injuries.” NYUHJD Grand Rounds Presentation, April 2, 2008.

Miyamoto R, Schneper L, Broach J. “Isolation and Characterization of Genes that are Synthetic Lethal with RAS2 in *Saccharomyces cerevisiae*.” Poster exhibit at the Princeton Summer Research Symposium, August 1994.

PROFESSIONAL LICENSURE AND CERTIFICATION

Virginia State

License # 0101245582

Colorado State

License # 46796

New York State

License # 239645

American Board of Orthopaedic Surgery

Board Eligible

Menaflex (Collagen Meniscal Implant)

Certified: March, 2009

ACTIVITIES

1. **Fairfax High School Football**, Fairfax, VA. Staff physician.
2. **Eagle Valley High School Football**, Gypsum, CO. Staff physician.
2008
Supervising Physician: William Sterett, M.D.
3. **Battle Mountain High School Football**, Eagle-Vail, CO. Staff physician.
2008
Supervising Physician: William Sterett, M.D.
4. **Christ the King Football**, Flushing, NY. Staff physician.
2006-2007
Supervising Physician: Joseph Bosco, M.D.
5. **Alvin Ailey Dance Theatre**, New York, NY. Staff physician.
2004-2008
Supervising Physician: Donald Rose, M.D.
6. **NYU Varsity Basketball**, New York, NY. Staff physician.
2007
Supervising Physician: Orrin Sherman, M.D.

ASSOCIATIONS

Medical Society of Virginia

American Academy of Orthopaedic Surgeons

Arthroscopy Association of North America

American Orthopaedic Society for Sports Medicine

International Society for Hip Arthroscopy