

Gregory B. Carlson, M.D.
Panorama Summit Orthopedics

POSTDOCTORAL TRAINING

Fellow, M Health Fairview/MOSMI at Twin Cities Orthopedics, Orthopedic Surgery Sports Medicine

❖ August 2020-July 2021, Minneapolis, MN

Fellowship training in advanced arthroscopy and sports medicine of the knee, hip, shoulder, foot & ankle with a focus on complex sports knee surgery.

Resident, Department of Orthopedic Surgery, SUNY Upstate Medical University

❖ July 2015-June 2020, Syracuse, NY

EDUCATION

Doctor of Medicine, University of Minnesota Medical School

❖ August 2011-June 2015, Minneapolis, MN

❖ Completed orthopedic surgery away rotations at the University of Colorado and the University of Vermont

B.A. in Chemistry with honors, Minor in Biomedical Studies, *magna cum laude*, St. Olaf College

❖ August 2007-May 2011, Northfield, MN

Emergency Medical Technician-Basic, North Memorial Medical Center

❖ October 2007-December 2007, Robbinsdale, MN

PUBLICATIONS

Rodriguez AN, Carlson GB, Monson JK, LaPrade RF. Tibial Opening Wedge Osteotomy for the Treatment of Posterior Knee Instability and Genu Recurvatum Secondary to Increased Anterior Tibial Slope. *Arthrosc Tech*. Accepted for publication July 27, 2021.

Floyd ER, Carlson GB, Monson J, LaPrade RF. Anatomic Multiple Ligament Reconstructions of the Knee. *Video Journal of Sports Medicine*. Accepted for publication July 23, 2021.

LaPrade RF, Floyd ER, Falaas KL, Rodriguez AN, Carlson GB, Chahla J, Geeslin AG. The Natural History of Medial Meniscal Root Tears: A Biomechanical and Clinical Case Perspective. *Frontiers in Bioengineering and Biotechnology*. Submitted for publication July 19, 2021.

Floyd ER, Kennedy N, Tagliero A, Carlson GB, LaPrade RF. Sulcus-Deepening Trochleoplasty with Tibial Tubercle Osteotomy and Medial Patellofemoral Ligament Reconstruction. *Video Journal of Sports Medicine*. Accepted for publication June 30, 2021.

LaPrade RF, Floyd ER, Carlson GB, Monson JK. Tibial Tubercle Preserving Anterior Closing Wedge Proximal Tibial Osteotomy and ACL Tunnel Bone Grafting for Increased Posterior Tibial Slope in Failed ACL Reconstructions. *Arthrosc Tech*. Accepted for publication June 11, 2021.

- LaPrade RF, Floyd ER, Carlson GB, Moatshe G, Chahla J, Monson J. The Posterolateral Corner: Explanation and Outcomes. *J Arthrosc Surg Sports Med.* 2021;2(2):108-118. doi: 10.25259/JASSM_66_2020.
- LaPrade RF, Floyd ER, Carlson GB, Moatshe G, Chahla J, Monson JK. Meniscal root tears: Solving the silent epidemic. *J Arthrosc Surg Sports Med.* 2021;2(1):47-57. doi:10.25259/JASSM_55_2020.
- LaPrade RF, Floyd ER, Falaas KL, Ebert NJ, Struyk GD, Carlson GB, Moatshe G, Chahla J, Monson JK. The Posterior Cruciate Ligament: Anatomy, Biomechanics, and Double-Bundle Reconstruction. *J Arthrosc Surg Sports Med.* 2021;2(2):94-107. doi: 10.25259/JASSM_3_2021.
- Floyd ER, Ebert NJ, Carlson GB, Monson JK, LaPrade RF. Medial Patellofemoral Reconstruction Using Quadriceps Tendon Autograft, Tibial Tubercle Osteotomy and Sulcus-Deepening Trochleoplasty for Patellar Instability. *Arthrosc Tech.* 2021 Apr 12;10(5):e1249-e1256. doi: 10.1016/j.eats.2021.01.019. eCollection 2021 May. PMID: 34141539
- Floyd ER, Falaas KL, Carson GB, LaPrade RF. Arthroscopic Excision of Bipartite Patella. Arthroscopy Techniques. *Arthrosc Tech.* 2021 Apr 12;10(5):e1257-e1262. doi: 10.1016/j.eats.2021.01.020. eCollection 2021 May. PMID: 34141540
- Floyd ER, Carlson GB, Monson JK, LaPrade RF. Multiple Ligament Reconstruction of the Knee and Posterolateral Corner. *Arthrosc Tech.* 2021 Apr 12;10(5):e1269-e1280. doi: 10.1016/j.eats.2021.01.024. eCollection 2021 May. PMID: 34141542
- Floyd ER, Ebert NJ, Carlson GB, Monson JK, LaPrade RF. Medial Patellofemoral Ligament Reconstruction Using a Quadriceps Tendon Autograft in a Patient with Open Physes. *Arthrosc Tech.* 2021 Apr 12;10(5):e1281-e1286. doi: 10.1016/j.eats.2021.01.025. eCollection 2021 May. PMID: 34141543
- Floyd ER, Carlson GB, LaPrade, RF. Patellar Tendon Revision Reconstruction with Hamstring Tendon Autografts. Arthroscopy Techniques. *Arthrosc Tech.* 2021 Feb 22;10(3):e873-e876. doi: 10.1016/j.eats.2020.11.001. eCollection 2021 Mar. PMID: 33738227
- Floyd ER, Carlson GB, LaPrade RF. Arthroscopic-assisted Lateral Meniscal Allograft Transplantation with Open Ligamentous Extra-Articular Tenodesis. *Arthrosc Tech.* 2021 Feb 22;10(3):e903-e908. doi: 10.1016/j.eats.2020.11.011. eCollection 2021 Mar. PMID: 33738231
- Floyd ER, Carlson GB, LaPrade RF. The Oblique Meniscomeniscal Ligament: A Case Report of a Rare Obstruction to Meniscal Root Repair. *JBJS Case Connect.* 2021 May 19;11(2). doi: 10.2106/JBJS.CC.21.00026. PMID: 34010199
- LaPrade RF, Floyd ER, Carlson GB, Moatshe G, Chahla J, Monson J. Multiple Ligament Anatomic Based Reconstructions of the Knee: State of the Art. Manuscript submitted to *J Arthrosc Surg Sports Med* on February 14, 2021.
- Floyd ER, Bernhardson A, Carlson GB, Monson J, LaPrade RF. ACL Reconstruction with Patellar Tendon Autograft, Complete MCL Reconstruction with Hamstring Autograft, and Inside-Out Lateral Meniscus Repair. *Video Journal of Sports Medicine.* Accepted for publication January 21, 2021.
- Auston DA, Meiss J, Serrano R, Sellers T, Carlson GB, Hoggard T, Beebe M, Quade J, Watson D, Simpson RB, Kistler B, Shah A, Sanders R, Mir HR. Percutaneous or Open Reduction of Closed Tibial Shaft Fractures During Intramedullary Nailing Does Not Increase Wound Complications, Infection, or Nonunion Rates. *J Orthop Trauma.* 2017;31:215-219. PMID: 28169938

ACADEMIC PRESENTATIONS

Posterior Meniscal Roots Tears: Significance, Evaluation, Management, and Outcomes. M Health Fairview Sports Medicine Grand Rounds. Minneapolis, MN. January 13, 2021

Meniscal Root Tears: Significance, Evaluation, Management, and Outcomes. SUNY Upstate Medical University- Grand Rounds. Syracuse, NY. May 6, 2020.

Articular Cartilage Defects About the Knee: Review of Repair and Restoration Techniques. SUNY Upstate Medical University- Grand Rounds. Syracuse, NY. February 20, 2019.

Lisfranc Joint Injuries: Anatomy, Evaluation, and Management. SUNY Upstate Medical University- Grand Rounds. Syracuse, NY. October 10, 2018.

The Anatomy and Function of the Posteromedial Corner and Injuries to the Medial Side of the Knee. SUNY Upstate Medical University- Grand Rounds. Syracuse, NY. February 28, 2018.

Arthroscopy Training in Residency. SUNY Upstate Medical University- Grand Rounds. Syracuse, NY. November 1, 2017.

Patellar Instability in the Skeletally Immature Patient. SUNY Upstate Medical University- Grand Rounds. Syracuse, NY. February 8, 2017.

POSTER PRESENTATIONS

Floyd ER, Falaas KL, Ebert NJ, Struyk GD, Carlson GB, LaPrade RF. **Comparison of Outcomes for Medial Collateral Ligament Repair Versus Reconstruction: A Systematic Review.** Accepted for Virtual Poster Presentation on July 23, 2021 at Isakos Global Congress November 27, 2021 in Cape Town, South Africa.

G. Carlson, B. Thielen, J. Alpern, T. Waldron, C. Bowron, W. Stauffer. **The Traveling-Travel Clinic: Improving Access for Visiting Friends and Relative Travelers, Hajj Clinic Pilot Project.** 13th Conference of the International Society of Travel Medicine, Maastricht, The Netherlands. May 21, 2013.

G. Carlson, A. Demer, E. James, J. Zick. **A Process-Based Approach to Improving Use and Knowledge of Advanced Care Directives in the Outpatient Setting.** University of Minnesota Medical School Quality Improvement Symposium, Minneapolis, MN. March 8, 2013

EMPLOYMENT

Medical Gross Anatomy Teaching Assistant, University of Minnesota Medical School
❖ August 2013-May 2015, Minneapolis, MN

Emergency Room Technician, Fairview Ridges Hospital
❖ May 2009-August 2012, Burnsville, MN

Teaching Assistant, Human Anatomy and Physiology, St. Olaf College
❖ August 2010-May 2011, Northfield, MN

Teaching Assistant, Healthcare Economics, St. Olaf College
❖ February 2010-May 2011, Northfield, MN

Resident Assistant- Hoyme Hall, St. Olaf College

❖ September 2009-May 2010, Northfield, MN

Supply and product assistant, Fairview Ridges Hospital

❖ May 2007-May 2009, Burnsville, MN

PROFESSIONAL MEMBERSHIPS

American Academy of Orthopaedic Surgeons, 2015- Present

American Orthopedic Society for Sports Medicine, 2020-Present

Arthroscopy Association of North American, 2019-Present

PROFESSIONAL COURSES ATTENDED

AOSSM-AANA Combined Annual Meeting, Nashville, TN, July 7-11

Minnesota Anatomic Complex Knee International Symposium, November 20, 2020

AOSSM Sports Medicine Fellows Virtual Course, July 21-23, 2020

Safe Approaches to Internal Fixation (SAIF) Course, Memphis, Tennessee, May 18-19, 2018

AO Basic Course, Charlotte, NC, January 14-17, 2016

LEADERSHIP EXPERIENCE

Vice President, Orthopedic Surgery Interest Group, University of Minnesota Medical School

❖ May 2012-May 2013, Minneapolis, MN

Treasurer, American Medical Association, University of Minnesota Twin Cities Chapter

❖ May 2012-May 2013, Minneapolis, MN

President, St. Olaf College Volunteer EMT

❖ April 2010-May 2011, Northfield, MN

VOLUNTEER ACTIVITIES

Human Body Exhibit- Anatomy and Physiology Educator- Science Museum of Minnesota

❖ December 2011-May 2013, St. Paul, MN

Surgical Mission Trip- Holy Family Surgery Center, Nuestros Pequenous Hermanos

❖ July 2012, Tegucigalpa, Honduras

Public Health Service Learning at Selian Lutheran Hospital.

❖ June-August 2010, Arusha, Tanzania, organized by St. Olaf College

Peruvian Medical Mission Trip- Primary Care Medical Evaluations and Dental Screening

❖ January 2010, Cusco, Peru, organized by St. Olaf College

Science Tutor, Upward Bound Trio Program, St. Olaf College & Humboldt Senior High School

❖ October 2007-May 2009, St. Paul, MN

Mission trip- English Tutor- Renmin University

❖ June-July 2008, Beijing, China

EXTRACURRICULAR ACTIVITIES

Member, St. Olaf College Men's Soccer Team (Division III)

❖ August 2007-October 2011, Northfield, MN

Member, St. Olaf College Volunteer EMT

❖ June 2008-May 2011, Northfield, MN

HONORS AND AWARDS

Gold Humanism Honor Society, 2014-2015

McCain Scholarship- Academic Scholarship, 2013-2014

Ray V Arnold Scholarship- Academic Scholarship, 2012-2013

Certificate of Honors- Year Two Medical School Curriculum, 2012-2013

Minnesota Medical Foundation Scholarship- Academic Scholarship- 2011-2012

Scheffler International Scholar Award, July 2012

Dean's List, 2007-2011

Member, Phi Beta Kappa, St. Olaf Chapter, 2007-2011

HOBBIES AND INTERESTS

Camping, Hiking, Skiing, Hockey, Soccer, Golf, Traveling, Boating, History, Reading