

**Dr. Matthew Rasmussen Publications & Presentations****PUBLICATIONS**

1. Shoemaker EP, Tollefson LV, **Rasmussen MT**, Lee DR, LaPrade RF. Slope-Reducing Anterior Closing Wedge Proximal Tibial Osteotomy, Anterior Cruciate Ligament Tunnel Bone Grafting, and Unstable Medial Meniscus Ramp Repair as a First-Stage Procedure. *Arthrosc Tech*. 2025;14(7):103584. PMID: 40822228.
2. Tollefson LV, Shoemaker EP, Lee DR, **Rasmussen MT**, LaPrade RF. Anatomic Anterior Cruciate Ligament and Full Posterolateral Corner Reconstruction With Lateral Capsule, Biceps Tendon, and Iliotibial Band Repairs Attributable to Hyperextension Injury. *Arthrosc Tech*. 2025;14(7):103622. PMID: 40822183.
3. Shoemaker EP, Tollefson LV, Lee DR, **Rasmussen MT**, Christiani R, LaPrade RF. Concomitant Patellar Tendon Reconstruction With Hamstring Autografts and Medial Patellofemoral Ligament Reconstruction With Quadriceps Autograft in the Setting of Severe Patellar Tendinopathy with Recurrent Lateral Patellar Instability. *Arthrosc Tech*. 2025;14(7):103644. PMID: 40822154.
4. Tollefson LV, Shoemaker EP, **Rasmussen MT**, Lee DR, LaPrade RF. Repair of a Primary Patellar Tendon Midsubstance Rupture With Hamstring Autograft Augmentation. *Arthrosc Tech*. 2025;14(6):103543. PMID: 40656728.
5. **Rasmussen MT**, Lee DR, Hartigan DE. Editorial Commentary: Return-to-Play and Return-to-Sport Metrics Require Standardization. *Arthroscopy*. 2025;41(7):2595-2597. PMID: 39709104
6. Tollefson LV, **Rasmussen MT**, Guerin G, LaPrade CM, LaPrade RF. Slope-Reducing Proximal Tibial Osteotomy Improves Outcomes in Anterior Cruciate Ligament Reconstruction Patients With Elevated Posterior Tibial Slope, Especially Revisions and Posterior Tibial Slope  $\geq 12$ . *Arthroscopy*. 2025;41(8):3184-3195. PMID: 39536996.
7. Philippon MJ, Trindade CAC, Goldsmith MT, **Rasmussen MT**, Saroki AJ, Løken S, LaPrade RF. Biomechanical Assessment of Hip Capsular Repair and Reconstruction Procedures Using a 6 Degrees of Freedom Robotic System. *Am J Sports Med*. 2017;45(8):1745-1754. PMID: 28371596.
8. Mikula JD, Slette EL, Chahla J, Brady AW, Locks R, Trindade CAC, **Rasmussen MT**, LaPrade RF, Philippon MJ. Quantitative Anatomic Analysis of the Native Ligamentum Teres. *Orthop J Sports Med*. 2017 February 24. doi: 10.1177/2325967117691480. [Published Online]. PMID: 28321426.
9. Nitri M, **Rasmussen MT**, Williams BT, Moulton SG, Cruz RS, Dornan GJ, Goldsmith MT, LaPrade RF. An In Vitro Robotic Assessment of the Anterolateral Ligament. Part 2: Anterolateral Ligament Reconstruction combined with Anterior Cruciate Ligament Reconstruction. *Am J Sports Med*. 2016;44(3):593-601. PMID: 26831632.
10. **Rasmussen MT**, Nitri M, Williams BT, Moulton SG, Cruz RS, Dornan GJ, Goldsmith MT, LaPrade RF. An In Vitro Robotic Assessment of the Anterolateral Ligament. Part 1: Secondary Role of the Anterolateral Ligament in the Setting of an Anterior Cruciate Ligament Injury. *Am J Sports Med*. 2016;44(3):585-92. PMID: 26684663.
11. Goldsmith MT, **Rasmussen MT**, Turnbull TL, Trindade CA, LaPrade RF, Philippon MJ, Wijdicks CA. Validation of a six degree-of-freedom robotic system for hip in vitro biomechanical testing. *J Biomech*. 2015;48(15):4093-100. PMID: 26537889. Last updated 09-2022
12. Clanton TO, Williams BT, James EW, Campbell KJ, **Rasmussen MT**, Haytmanek CT, Wijdicks CA, LaPrade RF. Radiographic Identification of the Deltoid Ligament Complex of the Medial Ankle. *Am J Sports Med*. 2015;43(11):2753-62. PMID: 26443536.

13. LaPrade MD, LaPrade CM, Hamming MG, Ellman MB, Turnbull TL, **Rasmussen MT**, Wijdicks CA, LaPrade RF. Intramedullary Tibial Nailing Reduces the Attachment Area and Ultimate Load of the Anterior Medial Meniscal Root: A Potential Explanation for Anterior Knee Pain in Female Patients and Smaller Patients. *Am J Sports Med.* 2015;43(7):1670-5. PMID: 25911417.
14. LaPrade CM, Civitarese DM, **Rasmussen MT**, LaPrade RF. Emerging Updates on the Posterior Cruciate Ligament: A Review of the Current Literature. *Am J Sports Med.* 2015;43(12):3077-92. PMID:25776184
15. Ferro FP, Philippon MJ, **Rasmussen MT**, Smith SD, LaPrade RF, Wijdicks CA. Tensile Properties of the Human Acetabular Labrum and Hip Labral Reconstruction Grafts. *Am J Sports Med.* 2015;43(5):1222-7. PMID: 25660189.
16. Hamming MG, Philippon MJ, **Rasmussen MT**, Ferro FP, Turnbull TL, Trindade CAC, LaPrade RF, Wijdicks CA. Structural Properties of the Intact Proximal Hamstring Origin and Evaluation of Varying Avulsion Repair Techniques: An In Vitro Biomechanical Analysis. *Am J Sports Med.* 2015;43(3):721-728. PMID: 25527082.
17. Philippon MJ, **Rasmussen MT**, Turnbull TL, Trindade CAC, Hamming MG, Ellman MB, Harris M, LaPrade RF, Wijdicks CA. Structural Properties of the Native Ligamentum Teres. *Orthop J Sports Med.* 2014 Dec 12. doi: 10.1177/2325967114561962. [Published Online]. PMID: 26535290.
18. LaPrade CM, Smith SD, **Rasmussen MT**, Hamming MG, Wijdicks CA, Engebretsen L, Feagin JA, LaPrade RF. Consequences of Tibial Tunnel Reaming on the Meniscal Roots During Cruciate Ligament Reconstruction in a Cadaveric Model, Part 1: The Anterior Cruciate Ligament. *Am J Sports Med.* 2015;43(1):200-206. PMID: 25361859.
19. LaPrade CM, Smith SD, **Rasmussen MT**, Hamming MG, Wijdicks CA, Engebretsen L, Feagin JA, LaPrade RF. Consequences of Tibial Tunnel Reaming on the Meniscal Roots During Cruciate Ligament Reconstruction in a Cadaveric Model, Part 2: The Posterior Cruciate Ligament. *Am J Sports Med.* 2015;43(1):207-212. PMID: 25361857.
20. Philippon MJ, Michalski MP, Campbell KJ, **Rasmussen MT**, Goldsmith MT, Devitt BM, Wijdicks CA, LaPrade RF. A Quantitative Analysis of Hip Capsular Thickness. *Knee Surg Sports Traumatol Arthrosc.*2015;23(9):2548-53. PMID: 24817105.
21. LaPrade CM, Ellman MB, **Rasmussen MT**, James EW, Wijdicks CA, Engebretsen L, LaPrade RF. Anatomy of the Anterior Root Attachments of the Medial and Lateral Menisci: A Quantitative Analysis. *Am J Sports Med.* 2014;42(10):2386-2392. PMID: 25106782.
22. Kennedy NI, LaPrade RF, Goldsmith MT, Faucett SC, **Rasmussen MT**, Coatney GA, Engebretsen L, Wijdicks CA. Posterior Cruciate Ligament Graft Fixation Angles, Part 1: Biomechanical Evaluation for Anatomic Single-Bundle Reconstruction. *Am J Sports Med.* 2014;42(10):2338-2345. PMID: 25091117.
23. Kennedy NI, LaPrade RF, Goldsmith MT, Faucett SC, **Rasmussen MT**, Coatney GA, Engebretsen L, Wijdicks CA. Posterior Cruciate Ligament Graft Fixation Angles, Part 2: Biomechanical Evaluation for Anatomic Double-Bundle Reconstruction. *Am J Sports Med.* 2014;42(10):2346-2355. PMID: 25091116. Last updated 09-2022
24. LaPrade RF, Cram TR, James EW, **Rasmussen MT**. Trochlear dysplasia and the role of trochleoplasty. *Clin Sports Med.* 2014;33(3):531-545. PMID: 24993414.
25. Ellman MB, LaPrade CM, Smith SD, **Rasmussen MT**, Engebretsen L, Wijdicks CA, LaPrade RF. Structural Properties of the Meniscal Roots. *Am J Sports Med.* 2014;42(8):1881-1887. PMID: 24799425.
26. Breedlove KM, Breedlove EL, Robinson M, Poole VN, King JR, Rosenberger P, **Rasmussen M**, Talavage TM, Leverenz LJ, Nauman EA. Detecting neurocognitive and neurophysiological changes as a result of subconcussive blows among high school football athletes. *Athletic Training & Sports Health Care.*2014;6:119-127.
27. Wijdicks CA, Michalski MP, **Rasmussen MT**, Goldsmith MT, Kennedy NI, Lind M, Engebretsen L, LaPrade RF. Superficial Medial Collateral Ligament Anatomic Augmented Repair versus

Anatomic Reconstruction: An In Vitro Biomechanical Analysis. *Am J Sports Med.* 2013;41(12):2858-2866. PMID: 24036572.

28. Aga C, **Rasmussen MT**, Smith SD, Jansson KS, LaPrade RF, Engebretsen L, Wijdicks CA. Biomechanical Comparison of Interference Screws and Combination Screw and Sheath Devices for Soft Tissue Anterior Cruciate Ligament Reconstruction on the Tibial Side. *Am J Sports Med.* 2013;41(4):841-848. PMID: 23404085.

## BOOK CHAPTERS

1. **Rasmussen MT**, Kobayashi EF. Chapter 35: Phalangeal and Metacarpal Fractures and Dislocations. In *Michigan Manual of Plastic Surgery, Ed 3.* Wolters Kluwer, 2023. p.358-366
2. Kobayashi EF, **Rasmussen MT**. Chapter 36: Traumatic Amputation Injuries. In *Michigan Manual of Plastic Surgery, Ed 3.* Wolters Kluwer, 2023. p.367-376
3. **Rasmussen MT**, LaPrade CM, LaPrade RF. Reconstruction of the Posteromedial Corner (PMC) of the Knee. In *Sports Injuries: Prevention, Diagnosis, Treatment, and Rehabilitation.* Springer Science + Business Media, New York, 2015. 1429-1437.
4. LaPrade CM, **Rasmussen MT**, LaPrade RF. Chapter 1: Anatomy of the Patellofemoral Joint. In *The Patellofemoral Joint in the Athlete.* Springer Science + Business Media, New York, 2014. 1-13.

## ABSTRACTS, PRESENTATIONS, & POSTERS

1. Lee DR, **Rasmussen MT**. Common Upper Extremity Injuries and Surgeries. Guest Lecture for St. Catherine's Physical Therapy Students, February 24, 2025.
2. **Rasmussen MT**. Practical Sideline Management of Common Joint Dislocations. 2024 MIAC ATC Annual Conference, December 13, 2024.
3. **Rasmussen MT**. Knee Dislocations and Multiligamentous Knee Injuries: Where are we now? University of Michigan Department of Orthopaedic Surgery Grand Rounds, October 12, 2023.
4. **Rasmussen MT**. Effect of Body Mass Index on the Tensile Properties of Bone-Patellar Tendon-Bone Anterior Cruciate Ligament Allografts. University of Michigan Department of Orthopaedic Surgery Badgley Day, September 22, 2023.
5. **Rasmussen MT**. End-stage Ankle Arthritis – the Evolution of Salvage Treatments. University of Michigan Department of Orthopaedic Surgery Grand Rounds, Ann Arbor, MI October 28, 2021.
6. **Rasmussen MT**, Sjoquist D, Urquhart A. Causes of Surgical Cancellation in Primary Total Joint Arthroplasty Before and After the COVID-19 Pandemic. Podium Presentation at Michigan Orthopaedic Society (MOS) Annual Conference in Mackinac Island, MI, August 27-29, 2021.
7. **Rasmussen MT**. Diagnosis of Acute Compartment Syndrome. University of Michigan Department of Orthopaedic Surgery Grand Rounds, Ann Arbor, MI, October 29, 2020.
8. Weight CJ, Watson BJ, Labine L, Albersheim-Carter JA, **Rasmussen MT**, Plack DL, Konety BR. Erroneous Interpretation of Online Surgical Scorecard May Harm Patients by Increasing Willingness to Pay Out-of-Pocket Expenses for a Vanishingly Low Chance of Lowering the Postoperative Complication Risk. Poster presentation at American Urological Association (AUA) Annual Meeting in Boston, MA, May 12-16, 2017.
9. Mikula JD, Chahla J, Slette EL, Brady AW, Trindade CAC, **Rasmussen MT**, Harris M, Turnbull TL, LaPrade RF, Philippon MJ. Anatomic Analysis of the Native Ligamentum Teres. Podium presentation at International Society for Hip Arthroscopy (ISHA) 2016 Annual Scientific Meeting in San Francisco, CA, September 15-17, 2016.
10. Mikula JD, Chahla J, Slette EL, Brady AW, Trindade CAC, **Rasmussen MT**, Harris M, Turnbull TL, LaPrade RF, Philippon MJ. Anatomic Reconstruction of the Native Ligamentum Teres. Poster presentation at International Society for Hip Arthroscopy (ISHA) 2016 Annual Scientific Meeting in San Francisco, CA, September 15-17, 2016.

11. Brady AW, Philippon MJ, Trindade C, **Rasmussen MT**, Mikula JD, Harris M, LaPrade RF. Qualitative and Quantitative Anatomic Analysis of the Native Ligamentum Teres. Poster presentation at ESSKA 2016 Biennial Congress in Barcelona, Spain, May 4-7, 2016.
12. Dornan GJ, **Rasmussen MT**, Nitri M, Williams BT, Moulton SG, Cruz RS, Goldsmith MT, LaPrade RF. Robotic Assessment of anterolateral ligament: Reconstruction of the anterolateral and anterior cruciate ligament. Winner of a Basic Scientist Travel Grant. Podium presentation at ESSKA 2016 Biennial Congress in Barcelona, Spain, May 4-7, 2016.
13. Dornan GJ, Nitri M, **Rasmussen MT**, Williams BT, Moulton SG, Cruz RS, Goldsmith MT, LaPrade RF. Robotic Assessment of Anterolateral Ligament: Secondary Role in the Setting of an Anterior Cruciate Ligament Injury. Poster presentation at ESSKA 2016 Biennial Congress in Barcelona, Spain, May 4-7, 2016.
14. Nitri M, **Rasmussen MT**, Williams BT, Moulton SG, Cruz RS, Dornan GJ, Goldsmith MT, LaPrade RF. Robotic Assessment of Anterolateral Ligament: Reconstruction of the Anterolateral and Anterior Cruciate Ligament. Poster presentation at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, Orlando, FL, March 1-5, 2016.
15. Ferro FP, Philippon MJ, **Rasmussen MT**, Smith SD, LaPrade RF, Wijdicks CA. Tensile Properties of the Human Acetabular Labrum and Hip Labral Reconstruction Grafts. Podium presentation at ISAKOS 2015 Biennial Conference in Lyon, France, June 7-11, 2015.
16. Hamming MG, Philippon MJ, **Rasmussen MT**, Ferro FP, Turnbull TL, Trindade CAC, LaPrade RF, Wijdicks CA. Structural Properties of the Intact Proximal Hamstring Origin and Evaluation of Varying Avulsion Repair Techniques. Podium presentation at ISAKOS 2015 Biennial Conference in Lyon, France, June 7-11, 2015.
17. Philippon MJ, **Rasmussen MT**, Turnbull TL, Trindade CAC, Hamming MG, Ellman MB, Harris M, LaPrade RF, Wijdicks CA. Structural Properties of the Native Ligamentum Teres. Poster presentation at ISAKOS 2015 Biennial Conference in Lyon, France, June 7-11, 2015.
18. LaPrade MD, LaPrade CM, Hamming MG, Ellman MB, Turnbull TL, **Rasmussen MT**, LaPrade RF, Wijdicks CA. Effect of Intramedullary Tibial Nailing on Attachment Area and Ultimate Strength of the Anterior Medial Meniscal Root: Is the Safe Zone Really Safe? Poster presentation at ISAKOS 2015 Biennial Conference in Lyon, France, June 7-11, 2015.
19. LaPrade MD, LaPrade CM, Hamming MG, Ellman MB, Turnbull TL, **Rasmussen MT**, LaPrade RF, Wijdicks CA. Effect of Intramedullary Tibial Nailing on Attachment Area and Ultimate Strength of the Anterior Medial Meniscal Root: Is the Safe Zone Really Safe? Poster presented at the Orthopaedic Research Society Annual Meeting in Las Vegas, NV, March 28-31, 2015.
20. Goldsmith MT, **Rasmussen MT**, Turnbull TL, Trindade CAC, LaPrade RF, Philippon MJ, Wijdicks CA. A Validated Robotic System for Native Hip Biomechanical Analysis. Poster presented at the Orthopaedic Research Society Annual Meeting in Las Vegas, NV, March 28-31, 2015.
21. Trindade CAC, Philippon MJ, **Rasmussen MT**, Turnbull TL, Hamming MG, Ellman MB, Harris M, LaPrade RF, Wijdicks CA. Tensile Properties of the Ligamentum Teres. Poster presented at the American Academy of Orthopaedic Surgeons Annual Meeting in Las Vegas, NV, March 24-28, 2015.
22. Trindade CAC, Philippon MJ, **Rasmussen MT**, Turnbull TL, Hamming MG, Ellman MB, Harris M, LaPrade RF, Wijdicks, CA. Tensile Properties of the Ligamentum Teres. ePoster at the International Society for Hip Arthroscopy Annual Meeting, Rio de Janeiro, Brazil, October 9-11, 2014.
23. Hamming MG, Philippon MJ, **Rasmussen MT**, Ferro FP, Turnbull TL, Trindade CAC, LaPrade RF, Wijdicks CA. Structural Properties of the Intact Proximal Hamstring Origin and Evaluation of Varying Avulsion Repair Techniques: An In Vitro Biomechanical Analysis. ePoster at the International Society for Hip Arthroscopy Annual Meeting, Rio de Janeiro, Brazil, October 9-11, 2014.

24. Ferro FP, Philippon MJ, **Rasmussen MT**, Smith SD, LaPrade RF, Wijdicks CA. Tensile Properties of the Human Acetabular Labrum and Hip Labral Reconstruction Grafts. Podium presentation at the International Society for Hip Arthroscopy Annual Meeting, Rio de Janeiro, Brazil, October 9-11, 2014.
25. Kennedy NI, Goldsmith MT, Faucett SC, **Rasmussen MT**, Coatney GA, Engebretsen L, Wijdicks CA. Excellence Award: Posterior Cruciate Ligament Graft Fixation Angles: Biomechanical Evaluation for Single- and Double-Bundle Reconstruction. Podium presentation at the American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, WA, July 10-13, 2014.
26. Wijdicks CA, Michalski MP, **Rasmussen MT**, Goldsmith MT, Kennedy NI, Lind M, Engebretsen L, LaPrade RF. Superficial Medial Collateral Ligament Anatomic Augmented Repair versus Anatomic Reconstruction: An In Vitro Biomechanical Analysis. Podium presentation at the 16th European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) Annual Congress, Amsterdam, Netherlands, May 14-17, 2014.
27. Leverenz L, Breedlove K, Breedlove E, Robinson M, Poole V, King J, Rosenberger P, **Rasmussen M**, Talavage M, Nauman E. Quantifying the risk of abnormal neurophysiology as a result of sub-concussive blows in high school football athletes. *Br J Sports Med*. 2014;48(7):627. PMID: 24620222. Presented at the IOC World Conference on Prevention of Injury and Illness in Sport, Monaco, April 10-12, 2014.
28. Wijdicks CA, Michalski MP, **Rasmussen MT**, Goldsmith MT, Kennedy NI, Lind M, Engebretsen L, LaPrade RF. Superficial Medial Collateral Ligament Anatomic Augmented Repair versus Anatomic Reconstruction. Alternate podium presentation at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting in New Orleans, LA, March 12-14, 2014.
29. Aga C, **Rasmussen M**, Smith S, Jansson K, Petre B, LaPrade R, Engebretsen L, Wijdicks CA. Biomechanical Comparison of 8 Soft Tissue Devices for Tibial Fixation of Anterior Cruciate Ligament Reconstruction Grafts. Podium presentation at the International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS) Annual Meeting in Toronto, Canada, May 12-16, 2013.
30. Aga C, **Rasmussen MT**, Smith SD, Jansson KS, Petre B, LaPrade RF, Engebretsen L, Wijdicks CA. Biomechanical Comparison of Eight Soft Tissue Devices for Tibial Fixation of Anterior Cruciate Ligament Reconstruction Grafts. Poster presented at the Orthopaedic Research Society Annual Meeting in San Antonio, Texas, January 26-29, 2013.