



TWIN CITIES ORTHOPEDICS
FOUNDATION

Research • Education • Community Service

2017 ANNUAL REPORT

TWIN CITIES ORTHOPEDICS FOUNDATION



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FOUNDATION

Research • Education • Community Service

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Advancing musculoskeletal health through community
service, orthopedic research, education and training.

TCOFoundation.org



MESSAGE FROM THE

PRESIDENT

Dear Supporters and Friends:

Now entering its 12th year of service, I am pleased to report that the Foundation is growing and gaining significant momentum. Thanks to generous individual donors like you, gracious corporate support, and significant hard work by many volunteers, the Twin Cities Orthopedics Foundation is doing more good work and supporting more volunteer, research, and community efforts than ever.

Our mission is to advance musculoskeletal health through community service, orthopedic research, education and training, and this annual report documents and highlights those efforts completed in 2017. Our entire Board and staff are volunteers, which has allowed the Foundation to directly support more of its goals than ever before, with minimal overhead expense. Special thanks go to our volunteer Board members.

Our goals for 2018 are also expanding. With your support, we hope to be able to fund more community partners that share similar goals and are doing great work; fund more research; mentor more high school students; grant more scholarships; provide more free concussion tests to high school athletes; encourage more medical volunteerism; support more international volunteer orthopedic service trips and continue our International Orthopedic Visiting Scholar Program.

We are excited to share this annual report with you, we are excited about the future good works of the Foundation, and we thank you for your ongoing support. We can do more together.

Sincerely,

David Gesensway, MD

President-Elect | Twin Cities Orthopedics Foundation

ABOUT THE FOUNDATION

Established in 2007 by members of the Twin Cities Orthopedics practice, the Foundation is developing and investing in key activities to improve the quality of life for those affected by bone, joint and muscle injuries and disorders.

Our Mission

To advance musculoskeletal health through community service, orthopedic research, education and training.

Our Vision

- Supporting Community Programs and Services
- Promoting an Active Lifestyle
- Increasing Orthopedic Scientific Knowledge Through Research and Education
- Fostering Volunteer Orthopedic Services to Underserved Local and International Communities

2017 Accomplishments

- Community Partner Support
 - CycleHealth
 - Empower
 - Bolder Options
 - United Heroes League
- Adopt an Athletic Training Room
 - Funding to 3 area high school athletic training rooms: Bloomington Jefferson, Eagan and Minnehaha Academy
- ImPACT Concussion Testing Funding
 - Funding support for more than 9,700 tests across metro area student-athletes since 2014
- TCO Medical Mentorship Program
 - Completed 2nd year of program with 8 student graduates
- International Medical Volunteer Scholarships
 - Provided financial scholarships for 8 TCO employees to travel on medical mission trip
- International Orthopedic Scholar Program
 - Support of 2 residents

2018 Objectives

- International Orthopedic Visiting Scholar Program
- International Medical Volunteer Scholarship Program: Provide financial support to staff volunteering on medical service trips
- Medical Mentorship Program: Yearlong mentorship program with a focus on health care careers for underprivileged youth
- Community Support: CycleHealth, Empower, Bolder Options, and United Heroes League; financial support to local high schools
- ImPACT Concussion Testing Program
- Support community educational seminars focused on orthopedic preventative care

2017 BOARD OF DIRECTORS



David Gesensway, MD
PRESIDENT-ELECT



Kurt Anderson, MD
PAST PRESIDENT



Troy Simonson
TREASURER



Scott Anseth, MD



Adam Bakker, MD



Jay Johnson, MD



Nicholas Meyer, MD



David Palmer, MD



YEAR END | DECEMBER 31, 2017

STATEMENT OF ACTIVITIES

CONTRIBUTIONS

REVENUES

Research & Education Fund	\$182,320
Other Designated Funds	\$3,000
Unrestricted Funds	\$72,589

Total Contributions \$257,909

DISBURSEMENTS

EXPENSES

Research & Education	\$224,533
Concussion Program	\$6,000
Strategic Partner Support	\$22,500
Designated Funds	\$3,000
International Resident Education	\$6,129
Youth Mentorship Program	\$8,000
Employee Grant Program	\$3,900
Administrative Costs	\$8,481

Total Disbursements \$282,543

2017 TOTALS

Total Expenses	\$282,543
Change in Net Assets	\$-24,634
Net Assets, Beginning of Year	\$172,020
Net Assets, End of Year 2017	\$147,386

SUPPORTING OUR COMMUNITIES

LOCAL INVOLVEMENT

CycleHealth: Kid-Powered Wellness



"When we launched our organization four years ago, our goal was to motivate Minnesota kids to power their own wellness through world-class adventure races and fitness challenges. Twin Cities Orthopedics was among the first companies to say they'd be with us. We couldn't have imagined at that time that TCO would become as invested in our work as we are. At every event, they are there to provide safety and medical coverage plus dozens of volunteers. Because of their contributions and expertise, we have achieved far greater impact than we would have without them. Their vision is matched only by their generosity and can-do spirit. I love working with TCO."

– Betsy Grams | Executive Director, CycleHealth

CycleHealth teams with leaders in business and health care to equip kids with tools to create a new cycle of health in America. World-class events and programs, delivered through CycleHealth's innovative Sweat Rx, allow kids to lead the way to wellness.





United Heroes League

United Heroes League's mission is to empower military families to stay healthy and active through sports by providing free head to toe sports equipment, free skill development camps, grants to offset sports fees and tickets to pro games so the family can enjoy a night out before or after deployment.



Bolder Options

Bolder Options is a wellness-based, youth mentoring organization that utilizes caring, adult mentors along with our structured program of physical activity, academic improvement, goal setting, and empowerment, to build self-esteem and healthy habits in youth ages 10-14.



Empower — Leadership Academy for Girls *Empower*

Empower's mission is to inspire, develop and empower the next generation of leaders by offering events for girls in grades 5-12. Empower's four pillars of focus are Leadership, Confidence, Resilience and Well-Being.



SUPPORTING OUR COMMUNITIES

LOCAL & GLOBAL INVOLVEMENT

LEON, NICARAGUA

Each year in Leon, a group of volunteers from Twin Cities Orthopedics provides much-needed medical equipment and implants for long-term use, and is involved in the education and training of orthopedic providers at a university hospital in Leon. This hospital serves as one of only two orthopedic residency programs in the country.

Orthopedic hand surgeon David Gesensway, MD, current president-elect, joined Kurt Anderson, MD for the April 2017 trip. Along with physical therapist Eva Martinez, DPT, who also served as an interpreter; hand therapists Courtney Mason, OT; John Muelken, OPAC; Gail Maenke, CST; James Tousignant and assistants Julia Gesensway and Daniel Kim.

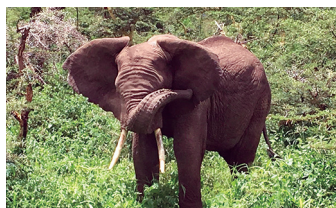
"The trip was a moving collaboration of cultures, orthopedic practices, physicians, therapists and patients that required teamwork and problem solving in 90-degree heat," Mason said. "The generosity and gratitude we received from everyone in Nicaragua was overwhelming."

ARUSHA, TANZANIA

Since 1996, David Palmer, MD, and Russ McGill, PA-C, have made 15 visits as orthopedic medical volunteers to Arusha. The providers' primary duties involved performing surgical and assistant surgical duties, bringing in medical supplies, organizing inventory, attending new-patient and follow-up clinics, and educating surgical residents. Over the years, they've helped improve the orthopedic quality in Arusha with multiple donations of supplies, including a C-arm, arthroscopic towers and internal fixation plates, screws and rods.

Highlights from the January 2017 trip included the 25th anniversary jubilee of the founding of Selian Lutheran Hospital and 10th anniversary and expansion grand opening of the Plaster House.

"The opportunity to serve and treat a marginalized population is a special gift available to us. We are humbled and extremely grateful for the opportunity to serve this part of the world," Dr. Palmer said.



INTERNATIONAL SCHOLAR PROGRAM

The reach of TCO stretches beyond the borders of the Midwest and even the United States. Team members from TCO were able to learn about the impact and experience of the TCO Foundation during the International Scholar Welcome and Volunteerism Showcase in October at TCO Edina – Crosstown.

TCO physicians who have participated as volunteers outside the US delivered presentations at the event, providing a glimpse of the work done on these trips around the world, and encouraged attendees to volunteer for future trips.

PRESENTERS INCLUDED:

David Palmer, MD, who shared the experiences from his medical mission trip to Tanzania

Stephen Olmsted, MD, who visited Honduras for a medical mission trip

Jay Johnson, MD, who traveled to Guatemala to provide care

Randy Lewis, MD, who highlighted his work in Bhutan and the happiness of the country's people

David Gesensway, MD, who provided an overview of the Nicaragua medical mission trip

The night concluded with presentations from honored guests Donald Garcia, MD, and Juan Guadamuz, MD, orthopedic surgeons from Nicaragua. Drs. Guadamuz and Garcia also attended the 47th annual HCMC Orthopedic & Trauma Seminar in October in Minneapolis.

MEDICAL MENTORSHIP PROGRAM CREATES PATH FOR YOUNG STUDENTS INTERESTED IN MEDICINE

In 2016, the Twin Cities Orthopedics Foundation established a Medical Mentorship Program for high school seniors interested in careers in medicine. The program was created to provide an exposure to students as well as mentorship along their educational and career journeys. In 2017, the TCOF Medical Mentorship Program continued to provide students with a first-person view of a variety of fields before they embarked on a college education.

Numerous TCO health care professionals worked with the students in a yearlong program led by Adam Bakker, MD.

"Everyone has had help/mentorship getting to their destination in the medical field," Dr. Bakker said. "We're looking for smart but very hungry kids who wouldn't necessarily have an opportunity to see the medical field in preparation hopefully for a career in medicine."

In addition to the exposure to some of the various career options within the medical field, the program addressed some of the college requirements of certain medical programs in order to better prepare students for course selection. The Medical Mentorship Program aims to provide longitudinal mentorship and communication beginning as high school seniors and into college, graduate programs and finally into each student's desired occupation.

"Going into this program, I was almost positive I wanted to be a biomechanical engineer. Coming out of it, I'm glad I took the opportunity to explore something different," said Lilly Kaufman, a student in the 2017-18 class.

The TCO Foundation is able to provide financial support for each student's education through a \$1,000 college scholarship.



Lilly Kaufman





TCO FOUNDATION RESEARCH STUDIES

TCO – Quality Improvement Projects & IRB-Approved Research Studies

Scott D. Anseth, MD

FDA Clinical Trial - A Randomized Clinical Study to Compare the Safety and Efficacy of the Oxford Cementless Partial Knee System

Anseth SD, O'Neill OR, Bryan SM, Giveans MR. Does Total Knee Arthroplasty Range of Motion have a Greater Improvement with Home Care or a Skilled Nursing Facility?

Anseth SD, Stone R, Gross AL. Patient Outcome Satisfaction While Using a Titanium Modular Tapered Stem for Total Hip Arthroplasty Revision

Anseth SD, Lehman-Lane JJ, Teske AS, Stone R. A Cost Comparison between Patients who have an Elective Total Hip Arthroplasty vs. undergoing THA/Hemiarthroplasty for Trauma

Meredith Butulis, DPT

Butulis M, Fedor B, Stone R. Prospective randomized heart rate variability study: Effective tool to maximize performance and minimize fatigue in dancers

J. Chris Coetzee, MD

Coetzee JC, Nilsson LJ, Stone RM, Fritz JE. Lateral ankle ligament reconstruction with InternalBrace™ augmentation: A prospective randomized study

**Oliver SM, Coetzee JC, Samuelson KM, Stone RM, Fritz JE, Giveans MR. Early Results on a Modern Generation Fixed-Bear Total Ankle Arthroplasty

**Coetzee JC, Denker JA, Stone RM, Management of a Failed Total Ankle Replacement with a Revision Prosthesis. A multi-center study of the indications, surgical techniques and short term outcomes.

Coetzee JC, Stone RM. Treatment Outcomes of Hallux Rigidus

Coetzee JC, Nilsson LJ, Stone RM, Fritz JE. Takedown of Ankle Fusions and Conversion to Total Ankle Replacements: A prospective Longitudinal Study

Coetzee JC, Nilsson LJ, Stone RM, Fritz JE. Functional Outcome of Sesamoid Excision in Athletes

Coetzee JC, Stone RM, Nilsson LJ. Retrospective Chart Review of the InternalBrace Ligament Augmentation Repair in Conjunction with Open Brostrom Surgery in Foot and Ankle patients.

Coetzee JC, Stone RM. Comparing Ankle Arthrodesis to Ankle Arthroplasty

Coetzee JC, Stone RM. Retrieval and Analysis of Total Ankle Arthroplasty Implants and Periprosthetic Tissue: Correlating Radiographic, Clinical, Damage Mode and Inflammatory Marker Data to Elucidate the Path Toward Revision and Clinical Failure

Coetzee JC, Stone RM. Multi-Center, Randomized, Controlled Study of Subtalar Arthrodesis Using AlloStem Versus Autologous Bone Graft

Coetzee JC. Treatment Outcomes of Ankle Osteoarthritis

Thomas K. Comfort, MD

Comfort TK, Mehle SC. Impact of Cup Geometry and Fixation on Survival in Total Hip Arthroplasty

Comfort TK, Mehle SC. Prevalence of infection status post total knee arthroplasty with antibiotic bone cement in a community based joint registry.

Christopher M. Larson, MD

Larson CM, Giveans MR, Samuelson KM, Stone RM, Ramos NM, Bedi A. Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes

Larson CM, Wulf CA, Bedi A, Stone RM, Ramos NM, Giveans MR. Early Outcomes and Demographics of Arthroscopic Repair of Meniscal Root and Complete Radial Meniscal Tears in Competitive Athletes

Larson CM, Ross JR, Giveans MR, Stone RM, Ramos NM. The Influence of Previous or Concurrent Psoas Tenotomy and Femoral Version on Hip Surgery Outcomes

Larson CM, Ross JR, Giveans MR, Stone RM, Ramos NM, Bedi A. Gender Based Differences and Hip Arthroscopy: Clinical Findings, Procedures, and Outcomes

Larson CM, Ross JR, Moser BR, Giveans MR, Stone RM, Ramos NM, Bedi A. The Dancers Hip: Extreme ROM Impingement / Instability: Arthroscopic Clinical Outcomes

Larson CM, Ross JR, Stone RM, Samuelson KM, Ramos NM, Giveans MR, Bedi A. Arthroscopic Management of Dysplastic Hip Morphologies: Predictors of Success and Failures and Comparison to an Arthroscopic FAI Cohort

Larson CM, Giveans MR, Stone RM, Samuelson KM, Ramos NM. Complications after Hip Arthroscopy

Larson CM, Giveans MR, Stone RM. Arthroscopic Treatment of Femoroacetabular Impingement: Early Outcome Evaluation of Labral Refixation / Repair vs. Debridement

Larson CM, Stone RM, Giveans MR. A Multicenter Prospective Analysis of Hip Impingement Surgery

**Larson CM, Cornelsen GD, Rust D, Giveans MR, Stone RM. Cam Impingement in Hockey Players

Larson CM, Giveans MR. Maximal Isometric Force Generation Comparison in Patients After Proximal Hamstring Rupture

Larson CM, Giveans MR. Management of Acetabular Rim Fractures and Os Acetabuli Associated With Femoroacetabular Impingement: A Comparative Outcomes Study

**Larson CM, McCormick J, Giveans MR. Muscle Activation and Force Production in Patients Following Proximal Hamstrings Repair

**Larson CM, Safran MR, Brcka D, Vaughn Z, Giveans MR, Stone RM. Prevalence of Hip Pathomorphologies and Predictors of Clinically Suspected "Intra-articular" Hip Symptoms

**Larson CM, Johnston C. Return to Athletics Following Fasciotomy for Chronic Exertional Compartment Syndrome

Gregory N. Lervick, MD

Lervick GN, Stone RM. Outcomes following primary repair acute triceps rupture comparing transosseous drill tunnels versus suture anchor fixation

Lervick GN, Stone RM. Post-Market Evaluation of the Rotation Medical Rotator Cuff System

Lervick GN. A Novel Assessment Method for Classifying Acromioclavicular Separations

Lervick GN. Long-term Clinical Outcomes and Patient Satisfaction Rates in Clavicles Fractures With Plate Fixation

Lervick GN, Giveans MR. A Comparison of Reversed (Semiconstrained) and Unconstrained Total Shoulder Arthroplasty

Lervick GN, Giveans MR, Stone RM, Ash JR. Reversed Total Shoulder Arthroplasty Using a Deltopectoral Approach and Conservative Aftercare

Lervick GN, Giveans MR. Correlation of Objective Shoulder Function With Patient Self-Assessment Following Reversed Total Shoulder Arthroplasty

Lervick GN, Giveans MR, Stone RM. Arthroscopic Distal Clavicle Resection for Treatment of Residual Type II Acromioclavicular (AC) Separations

**Lervick GN, McCormick J, Popkin C, Freeman M, Giveans MR. Reliability and Reproducibility of a New Method for Classifying Acromioclavicular Separations

**Lervick GN, Marger M, Merhi O, Giveans MR, Cooperman A, Fritts H, Gundry C. Correlation of Shoulder Pain Location With Physical Examination and Magnetic Resonance Imaging

Brad R. Moser, MD

Moser BR, Coetzee JC, Stone RM, Fritz JE. Surgical Treatment of Os Trigonum Syndrome in Dancers through an open approach

Moser BR, Giveans MR. Hip Labral Tears, Articular Cartilage Degeneration, and Musculoskeletal Characteristics of Dancers

Moser BR, Giveans MR. An Evaluation of Dance-Related Injuries and Movement Patterns

Moser BR, Coetzee JC, Giveans MR. Posterior Ankle Impingement

Owen R. O'Neill, MD

O'Neill OR, Anseth SD, Lehman-Lane JJ, Teske AS, Giveans MR. The Effect of Time of Consult to Time of Surgery for Total Knee, Hip and Ankle Arthroplasty Patients

O'Neill OR, Anseth SD, Lehman-Lane JJ, Teske AS, Giveans MR. Timing of Pre-Operative History & Physical Clearance in Total Knee & Hip Patients

Rachel Uzlik, CPHQ

Uzlik RM, Wyard GE, Nouraei CM, Stone R, Giveans MR. Opioids Prescribing Habits and Patient Reported Utilization and Disposal for Outpatient Orthopedic Procedures.

TCO FOUNDATION RESEARCH PUBLICATIONS

TCO Research Publications

J. Chris Coetzee, MD

PEER REVIEW JOURNALS

Benich MR, Ledoux WR, Orenduff MS, Shofer JB, Hansen ST, Davitt J, Anderson JG, Bohay D, Coetzee JC, Maskill J, Brage M, Houghton M, Sangeorzan BJ. Comparison of Treatment Outcomes of Arthrodesis and Two Generations Of Ankle Replacement Implants. *J. Bone Joint Surg- Am.* 2017 Nov 1;99(21):1792-1800. doi: 10.2106/JBJS.16.01471.

Coetzee JC, Ellington JK, Ronan JA, Stone RM. Functional Results of Open Broström Ankle Ligament Repair Augmented With a Suture Tape. *Foot Ankle Int.* Accepted January 2018.

Coetzee JC. Management of Hallux Rigidus in Athletes. *Oper Tech Sports Med.* 2017 June 25(2);108-112. DOI: <http://dx.doi.org/10.1053/j.otsm.2017.03.002>

Coetzee JC. Preface. *Foot Ankle Clin.* 2017 Jun;22(2):xv. doi: 10.1016/j.fcl.2017.01.015. Epub 2017 Mar 28.

Coetzee JC. Treatment of a Large Osteochondral Lesion (Pothole) in the Talar Dome. Prochondrix Clinical Report Series. *AlloSource. Volume 1- Case Study.* October 2017.

Vander Griend RA, Younger ASE, Buedts K, Chiodo CP, Coetzee JC, Ledoux WR, Pinzur MS, Prasad KSRK, Queen RM, Saltzman CL, Thordarson DB. Total Ankle Arthroplasty: Minimum Follow-up Policy for Reporting Results and Guidelines for Reporting Problems and Complications Resulting in Reoperations. *Foot Ankle Int.* 2017 Jul;38(7):703-704. doi: 10.1177/1071100717716110.

BOOK CHAPTERS

Coetzee JC. Editor for *Current Updates in Total Ankle Arthroplasty, an Issue of Foot and Ankle Clinics of North America.* Elsevier. 2017 June 22(2);241-502. 1st Edition. ISBN: 9780323530071. ISBN: 9780323530088 (eBook).

Bryan D. Den Hartog, MD

PEER REVIEW JOURNALS

Phisitkul P, Hosuru Siddappa V, Sittapairoj T, Goetz JE, Den Hartog BD, Femino JE. Cadaveric Evaluation of Dorsal Intermetatarsal Approach for Plantar Plate and Lateral Collateral Ligament Repair of the Lesser Metatarsophalangeal Joints. *Foot Ankle Int.* 2017 Jul;38(7):791-796. doi: 10.1177/1071100717702460. Epub 2017 Apr 11.

Christie S. Heikes, MD

PEER REVIEW JOURNALS

**Larson CM, Dietrich M, Swaringen J, Heikes CS, Ellingson C, Giveans MR. Generalized Hypermobility, Knee Hyperextension, and Outcomes after Anterior Cruciate Ligament Reconstruction: Prospective, Case-control Study with Mean 6 years Follow-up. *Arthroscopy.* 2017 Oct;33(10):1852-1858. doi: 10.1016/j.arthro.2017.04.012. Epub 2017 Jun 7.

Ryan W. Hess, MD

PEER REVIEW JOURNALS

Joyner PW, Bruce J, Roth TS, Mills FB 4th, Winnier S, Hess R, Wilcox L, Mates A, Frerichs T, Andrews JR, Roth CA. Biomechanical tensile strength analysis for medial patellofemoral ligament reconstruction. *Knee.* 2017 Oct;24(5):965-976. doi: 10.1016/j.knee.2017.04.013. Epub 2017 Jul 3.

Paul R. Langer, DPM

BOOK CHAPTERS

Werd MB, Knight EL, Langer PR. Editor for *Athletic Footwear and Orthoses in Sports Medicine.* 2017. Springer International Publishing. 2017. ISBN: 978-3-319-52136-7. ISBN: 9783319521367 (eBook). doi: 10.1007/978-3-319-52136-7.

Christopher M. Larson, MD

PEER REVIEW JOURNALS

Ayeni OR, Larson CM, Bonin N, Safran MR. Editorial: is the hip really a stable joint? *Knee Surg Sports Traumatol Arthrosc.* 2017 Jan;25(1):1-2. doi: 10.1007/s00167-016-4293-9. Epub 2016 Aug 20.

Ekhtiari S, de SA D, Haldane CE, Simunovic N, Larson CM, Safran MR, Ayeni OR. Hip arthroscopic capsulotomy techniques and capsular management strategies: a systematic review. *Knee Surg Sports Traumatol Arthrosc.* 2017 Jan;25(1):9-23. doi: 10.1007/s00167-016-4411-8. Epub 2017 Jan 24.

Ekhtari S, Khan M, Larson CM. Meniscal Tears in Elite Athletes: A Systematic Review. *Journal of ISAKOS.* 2017 Accepted December.

**Larson CM, Dietrich M, Swearingen J, Heikes CS, Ellingson C, Giveans MR. Generalized Hypermobility, Knee Hyperextension, and Outcomes after Anterior Cruciate Ligament Reconstruction: Prospective, Case-control Study with Mean 6 years Follow-up. *Arthroscopy.* 2017 Oct;33(10):1852-1858. doi: 10.1016/j.arthro.2017.04.012. Epub 2017 Jun 7.

Larson CM. Editorial Commentary: Patient-Related Outcome Measures, Minimal Clinically Important Differences, and Substantial Clinical Benefits for Adolescent Hip Arthroscopy: Making Progress With Outcome Measures or Unquestionably Spinning out of Control? *Arthroscopy.* 2017 Oct;33(10):1819-1820. doi: 10.1016/j.arthro.2017.07.005.

Larson CM. Evaluation of Athletic Hip Injuries. MedicalResearch.com. April 11, 2017. <https://medicalresearch.com/author-interviews/athletic-hip-injuries/33819/>

Larson CM. Perspective on article "Similar return-to-play rates seen in amateur, recreational athletes after hip arthroscopy for FAI" *Orthopedics Today.* April 2017.

**Larson CM, Ross JR, Kuhn AW, Fuller D, Rowley DM, Giveans MR, Stone RM, Bedi A. Radiographic Hip Anatomy Correlates With Range of Motion and Symptoms in National Hockey League Players. *Am J Sports Med.* 2017 Jun;45(7):1633-1639. doi: 10.1177/0363546517692542. Epub 2017 Feb 1.

**Larson CM, Safran MR, Brcka DA, Vaughn ZD, Giveans MR, Stone RM. Predictors of Clinically Suspected Intra-articular Hip Symptoms and Prevalence of Hip Pathomorphologies Presenting to Sports Medicine and Hip Preservation Orthopaedic Surgeons. *Arthroscopy.* 2017 Oct 31. pii: S0749-8063(17)31222-7. doi: 10.1016/j.arthro.2017.09.030. [Epub ahead of print]

Lynch TS, Bedi A, Larson CM. Athletic Hip Injuries *J Am Academy of Ortho Surgeons.* 2017 Apr;25(4):269-279. doi: 10.5435/JAAOS-D-16-00171.

Lynch TS, Bedi A, Larson CM, Nho S, Westermann R, Nepple J, Harris J, Aoki A et al. Best Practice Guidelines for Hip Arthroscopy in Femoroacetabular Impingement: Results of a Delphi Process. *J Am Academy of Ortho Surgeons.* 2018 Submitted Jan.

Lynch TS, Bedi A, Larson CM, Ulrike M, Nho SJ, Safran M. Orthopedists Discuss Management of Athletic Hip Injuries, part 1. *ORTHOPEDICS TODAY* January 2017.

Lynch TS, Bedi A, Larson CM, Ulrike M, Nho SJ, Safran M. Orthopedists Discuss Management of Athletic Hip Injuries, part 2. *ORTHOPEDICS TODAY* February 2017

Nakashima H, Utsunomiya H, Kanezaki S, Suzuki H, Nakamura E, Larson CM, Sakai A, Uchida S. Is arthroscopic hip labral repair / reconstruction surgery effective for treating femoroacetabular impingement in the presence of osteoarthritis? *Clin J Sports Med.* Submitted for publication Sept. 2017.

Nepple JJ, Bedi A, Larson CM, Millis M, Matheney T, ANCHOR Group. Evolution of the Treatment of FAI – The ANCHOR Experience. *Am J Ortho (Belle Mead NJ).* 2017 Jan/Feb;46(1):28-34.

Nho SJ, Federer A, Demiralp B, Nguyen J, Saavoss AD, Salata MJ, Philippon M, Bedi A, Larson CM, Byrd JWT, Koenig L. The Effects of Arthroscopy for Symptomatic Femoroacetabular Impingement on Quality of Life and Economic Outcomes. *Am J Sports Med.* 2017 Accepted November.

Ross JR, Khan M, Noonan B, Larson CM, Kelly B, Bedi A. Characterization and Correction of Symptomatic Hip Impingement in American Football Linemen. *HSS Journal.* Submitted Oct 2017.

Ross JR, Larson CM, Bedi A. Indications for Hip Arthroscopy. *Sports Health.* 2017 Sep/Oct;9(5):402-413. doi: 10.1177/1941738117712675. Epub 2017 Jul 5.

Spencer-Gardner L, Bedi A, Stuart MJ, Larson CM, Kelly BT, Krych AJ. Ischiofemoral impingement and hamstring dysfunction as a potential pain generator after ischial tuberosity apophyseal fracture nonunion/malunion. *Knee Surg Sports Traumatol Arthrosc.* 2017 Jan;25(1):55-61. doi: 10.1007/s00167-015-3812-4. Epub 2015 Oct 1.

Uchida S, Larson CM. Arthroscopic Anterior Inferior Iliac Spine Decompression Can Improve Clinical Outcomes and Dose not Alter Postoperative Hip flexor and Knee extensor Muscle Strength. A Retrospective, Matched, Comparative Study. *Knee Surg Sports Traumatol Arthrosc.* Submitted Oct 2017.

BOOK CHAPTERS

**Campbell JE, Ross JR, Larson CM. Subspine Impingement of the Hip. In: Fu, Lesniak. *Master Techniques in Orthopaedic Surgery: Sports Medicine, 2nd Edition*. Submitted for Publication May 2017. Chapter 51.

Cowan JB, Larson CM, Bedi A. Arthroscopic Management of Pincer-Type Impingement. In: Ayeni OR, Karlsson J, Philippon MJ, Safran MR. *Diagnosis and Management of Femoroacetabular Impingement An Evidence-Based Approach*. Switzerland. Springer International Publishing. 2017; Chapter 9;103-114. ISBN: 978-3-319-31998-8. ISBN: 978-3-319-32000-7 (eBook).

Larson CM. Optimizing Exposure and Accessibility for Arthroscopic Correction of Femoroacetabular Impingement. In: McCarthy, Noble, Villar. *Hip Joint Restoration: Worldwide Advances in Arthroscopy, Arthroplasty, Osteotomy and Joint Preservation Surgery*. Springer, New York, NY. 2017; Chapter 43:445-454. ISBN: 978-1-4614-0694-5 (eBook).

Larson CM, Stone RM, Birmingham PM. Arthroscopic Treatment of Combined Cam and Pincer-type Femoroacetabular Impingement. In: McCarthy, Noble, Villar. *Hip Joint Restoration: Worldwide Advances in Arthroscopy, Arthroplasty, Osteotomy and Joint Preservation Surgery*. Springer, New York, NY. 2017; Chapter 48: 489-502. ISBN: 978-1-4614-0694-5 (eBook).

Nosal C, Bedi A, Stone RM, Larson CM. Indications for Hip Arthroscopy. In: McCarthy, Noble, Villar. *Hip Joint Restoration: Worldwide Advances in Arthroscopy, Arthroplasty, Osteotomy and Joint Preservation Surgery*. Springer, New York, NY. 2017; Chapter 35:359-366. ISBN: 978-1-4614-0694-5 (eBook).

Jeffrey D. Seybold, MD

PEER REVIEW JOURNALS

Seybold JD. Management of the malunited triple arthrodesis. *Foot and Ankle Clinics*. 2017 Sep;22(3):625-636. doi: 10.1016/j.fcl.2017.04.009. Epub 2017 Jun 3.

Seybold JD, Zide JR. Treatment of Freiberg Disease. *Foot Ankle Clin*. 2018 Mar;23(1):157-169. doi: 10.1016/j.fcl.2017.09.011.

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Bryan DeJarlais	Rochelle Lindow	Lisa Richardson	Jenna Walker
Greg Deyak	Calvin Mai	Dr. Kayvon Riggi	Rebecca Whiteman
Dr. Paul Diekmann	Dr. Jeffrey Mair	Craig Ringsven	Sarah Wilcox
Karen Edmonson	Dr. Daniel Marek	Ashley Rundle	Mary Wolf
Kevin Englund	Courtney Mason	Jay Schindler	
Mark Froemke	Dr. Clare McCarthy	Brandon Schomberg	
Ben Gerads	Dr. Steven Meletiou	Heather Schroeder	

\$501 - \$1,000

Dr. Kurt Anderson	Dr. Christian DuBois	Dr. Scott Holthusen	Dr. David Palmer
Dr. Andrew Arthur	Dr. David Edwards	Dr. Allan Hunt	Razoo Foundation
Dr. Jaclyn Bailey	Dr. Mark Friedland	Dr. Jay Johnson	Dr. Peter Sanders
Dr. Adam Bakker	Dr. David Gerlach	Dr. Neil Johnson	Dr. Andrea Saterbak
Dr. Paul Biewen	Dr. David Gesensway	Dr. Edward Kelly	Troy Simonson
Dr. Paul Cammack	Dr. Rolf Hauck	Dr. William Lundberg	Dr. Edward Szalapski
Dr. Thomas Comfort	Dr. Ryan Hess	Dr. Chris Meyer	Dr. Erik Wetter
Dr. Eric Deal	Dr. Peter Holmberg	Dr. Joseph Nemanich	
Dr. Jeffrey Dick	Dr. David Holte	Dr. Randall Norgard	

\$1,001 - \$5,000

Chris Boosalis	Rotation Medical	Dr. Nicholas Meyer	Dr. Frank Norberg
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\$5,001+

Dr. Scott Anseth	Edina Crosstown Medical	Seattle Institute of Biomedical	Dr. Corey Wulf
Arthrex	Dr. Christopher Larson	Dr. Jeffrey Seybold	Zimmer
Biomet	Dr. Gregory Lervick	Dr. John Sherman	
Dr. Chris Coetzee	Dr. Brad Moser	Dr. Patrick Smith	



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