



# TWIN CITIES ORTHOPEDICS FOUNDATION

*Research • Education • Community Service*

## 2016 ANNUAL REPORT

TWIN CITIES ORTHOPEDICS FOUNDATION





**TWIN CITIES ORTHOPEDICS**  
**FOUNDATION**

*Research • Education • Community Service*

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

**[TCOFoundation.org](http://TCOFoundation.org)**



# MESSAGE FROM THE PRESIDENT

As I sit down to write this President's letter, I begin to truly appreciate all that the Twin Cities Orthopedics Foundation has accomplished over the past several years, and 2016 was no exception. It was a great year, and we could not have done any of it without your generous support. There is a lot of detail on the report, so let me recap some of the highlights for you.

## TWIN CITIES ORTHOPEDICS FOUNDATION

- Supported thousands of ImPACT concussion testing for high school athletes
- Supported an "Adopt an Athletic Training Room" for 3 local high schools
- Provided scholarships for TCO employees to go on a medial mission trip to Nicaragua
- Started a Medical Mentorship program through Twin Cities Orthopedics
- Partnered with Empower to help girls gain confidence, leadership skills, critical-thinking skills and decision-making skills
- Partnered and supported CycleHealth, an organization which enables kids to understand the importance of their physical health, as well as their mental health, through athletic events and activities

TCO physicians and employees, through Dr. Adam Bakker's hard work and leadership, started the Medical Mentorship Program for high school kids interested in a future medical career. These kids joined forces with TCO employees at our Edina location to help them gain insight, knowledge and understanding in medical fields that they have interest in including physical therapy, radiology, nursing, surgical technician, occupational therapy, physician assistant and MD fields.

TCO physicians and employees completed their fourth trip to Nicaragua on a medical mission focused on education, training and surgical skills for orthopedic residents. On the trip, 29 surgical cases on needy individuals were performed and more than 800 pounds of needed medical supplies were donated. The group recently returned from our fifth trip in April 2017, where multiple upper extremity surgeries, as well as 11 total knee arthroplasty cases were performed.

## OUR GOAL FOR 2017

- Continue to expand on all of the initiatives as listed above. In addition, we will plan on bringing two Nicaraguan residents to Minnesota for our second "International Scholarship Program." This program allows physicians from a third-world country to follow orthopedic surgeons in the United States in a clinical and surgical setting and participate in the Hennepin County Trauma Conference to help further their education and knowledge. We hope to provide them with laboratory experience with cadavers for additional hands-on surgical training.
- We want to expand the Medical Mentorship Program, which was successful in 2016, with the ongoing enthusiastic help of many of our TCO employees.

Thank you for your generous support in 2016. We are excited about our goals for 2017. None of this could be done without financial support from our generous donors, and all TCO physicians recognize the foundation as an important part of Twin Cities Orthopedics. As I stated in my letter last year, all donated dollars go into the general fund. Only those funds that are specifically dedicated for research, requested by the donor, go toward research activities. Our overhead is extremely low since we do not have any paid positions on the foundation, so all of your donations go specifically to the goals and initiatives I've outlined in this report.

Thank you again for your generous support.

Sincerely,

**Kurt D. Anderson, MD**  
President | 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

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

## Our Vision

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- 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

## 2016 Accomplishments

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- Community Partner Support
  - CycleHealth
  - Empower
  - Bolder Options
- Adopt an Athletic Training Room
  - Funding to 3 area high school athletic training rooms
- ImPACT Concussion Testing Funding
  - Funding support for more than 9,700 tests across metro area student-athletes since 2014
- TCO Medical Mentorship Program
  - Launched inaugural year of program
- International Medical Volunteer Scholarships
  - Provided financial scholarships for 6 TCO employees to travel on medical mission trip

## 2017 Objectives

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



# 2016 BOARD OF DIRECTORS



Kurt Anderson, MD  
**PRESIDENT**



Troy Simonson  
**TREASURER**



John Anderson, MD



Scott Anseth, MD



Adam Bakker, MD



David Gesensway, MD



Jay Johnson, MD







# YEAR END | DECEMBER 31, 2016

# STATEMENT OF ACTIVITIES

## CONTRIBUTIONS

REVENUES	
Research & Education Fund	\$142,067
Other Designated Funds	\$0
Unrestricted Funds	\$44,052
<b>Total Contributions</b>	
	<b>\$186,119</b>

## DISBURSEMENTS

EXPENSES	
Research & Education	\$191,423
Concussion Program	\$2,500
Strategic Partner Support	\$19,105
Scholarship Program	\$6,359
Administrative Costs	\$8,288
<b>Total Disbursements</b>	
	<b>\$227,675</b>

## 2016 TOTALS

Total Expenses	<b>\$227,675</b>
Change in Net Assets	<b>\$-41,556</b>
Net Assets, Beginning of Year	<b>\$213,713</b>
Net Assets, End of Year 2016	<b>\$172,157</b>



# SUPPORTING OUR COMMUNITIES

# LOCAL INVOLVEMENT

## CycleHealth: Kid-Powered Wellness

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.



## Empower — Leadership Academy for Girls

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.



**Empower**



## SUPPORTING OUR COMMUNITIES

# LOCAL & GLOBAL INVOLVEMENT

## TCO FOUNDATION'S GLOBAL MISSION OF SERVICE

Ten years after being established, the Twin Cities Orthopedics Foundation continues to develop and invest in key activities to improve the quality of life for those affected by bone, joint and muscle injuries and disorders through education, research and community service.

Part of that includes thinking and acting globally with medical mission trips.

The foundation helps facilitate medical mission trips to a number of countries, including Nicaragua and Tanzania, for TCO physicians and team members to help in underserved international communities. It primarily provides funds for team members to travel with physicians, focusing on treating local communities through clinics and surgery.

Each year in Leon, Nicaragua, the group perform orthopedic surgeries and provide 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 that serves as one of only two orthopedic residency programs in the country. The program has a huge impact on orthopedic health care for the country because the orthopedic surgeons in the program go on to be the primary orthopedic caregivers in Nicaragua.

"TCO being involved in this type of volunteer work is invaluable, both for the patients and doctors in Leon as well as the volunteer," Kurt Anderson, MD, President of the TCO Foundation, said. "You come back with an understanding of the common needs of all people. I wish every TCO team member and physician could experience an international volunteer experience like this; it changes you."





Orthopedic hand surgeons David Gesensway, MD, and Adam Bakker, MD, joined Dr. Anderson for the April 2016 trip, along with hand therapists Kristin Anderson and Trish Kloeckl, physical therapist Eva Martinez, DPT, who also served as an interpreter, and John Muelken, OPAC, and Kaitlyn Jensen, CST, who helped with supplies and in the operating room.

The volunteer service team worked with the teaching hospital's staff surgeons in the education of 14 orthopedic residents and assisted with 36 surgeries on complex cases. There were lectures every day at 7 a.m. and daily rounds on hospital patients.

The orthopedic patients are cared for in one wing of the five-story, open-air hospital with two male rooms and two female rooms for adults with orthopedic needs, each filled with seven beds, and a bathroom down the hall. Children are on a different ward.

The medication supply is limited, and patients with big fractures or surgeries only get an ibuprofen-like medication and Tylenol for pain. There are no narcotics used outside of the operating room. The volunteer team provided help by donating and hand-carrying nearly 800 pounds of medical supplies and surgical equipment. The patients, hospital staff and orthopedic residents were appreciative of the team's assistance.

## INTERNATIONAL SCHOLAR PROGRAM

The TCO Foundation's work has provided resident physicians from Leon the opportunity to travel to Minnesota and shadow TCO physicians in clinic and surgery, participate in lectures, and workshop technique labs, and conduct a presentation at the HCMC Orthopaedic and Trauma Seminar.

"The purpose of the program is to help advance orthopedic care in the guest nation by helping train and educate young orthopedic surgeons to become educators and leaders in their community," Dr. Gesensway said.



# 2003

COAN'S INAUGURAL TRIP  
TO NICARAGUA

# 4

NUMBER OF TIMES PER YEAR  
COAN SENDS TEAMS TO  
HEODRA IN LEÓN

# 8

NUMBER OF TEAM MEMBERS  
WHO PARTICIPATED IN THE  
APRIL 2016 TRIP

# 800

POUNDS OF HAND-CARRIED  
DONATED MEDICAL SUPPLIES

# 60+

NUMBER OF PRE-SCREENED  
PATIENTS EVALUATED IN CLINIC  
FOR SURGERY

# 24

NUMBER OF SURGICAL  
CASES PERFORMED

# 5

NUMBER OF PRESENTATIONS  
GIVEN TO HEODRA STUDENTS

# 29

NUMBER OF PATIENTS TREATED  
IN HAND THERAPY





YOU MATTER

YOU MATTER

YOU MATTER

Hannah Maccarone

THE South

SOCCER



# TCO FOUNDATION RESEARCH STUDIES

## TCO – IRB Approved Research Studies

### Dr. John T. Anderson

Long-term Patient Outcomes and Return to Activity After Total Knee Arthroplasty

### Dr. Scott D. Anseth

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?

### Dr. J. Chris Coetzee

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 AJ, 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. Post Market, Longitudinal Data Collection Study of Articular Cartilage Lesions in the Ankle Treated With DeNovo NT Natural Tissue Graft

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

### Dr. Thomas K. Comfort

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.

### Dr. Christopher M. Larson

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

### Dr. Gregory N. Lervick

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, Oliver SM, Giveans MR. Incidence of Positive Bacteria Cultures in Clean, Primary Shoulder Arthroplasty Procedures

\*\*Brcka D, Lervick GN, Giveans MR. Incidence of Asymptomatic Labral Pathology in the Dominant Shoulder

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, Armstrong T, Stone RM, Giveans MR, Ramos NM. Patient Satisfaction With Cosmesis and Function Following ORIF of Mid-shaft Clavicle Fractures

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

\*\*Lervick GN, Merhi O, Muffenbier M, Giveans MR. Outcome of All Arthroscopic Rotator Cuff Repair Using a Single Row Fixation Technique

\*\*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

### Dr. Brad R. Moser

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

### Dr. Owen R. O'Neill

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

### Dr. Corey A. Wulf

Wulf CA, Stone RM. A Stratified, Post-Market Study of DeNovo NT Graft for Treatment of Femoral and Patellar Articular Cartilage Lesions of the Knee

# TCO FOUNDATION RESEARCH PUBLICATIONS

## TCO Research Publications

### Dr. Matthew S. Butterfield

#### PEER REVIEW JOURNALS

Schwartzberg R, Reuss BL, Burkhart BG, Butterfield M, Wu JY, McLean KW. High Prevalence of Superior Labral Tears Diagnosed by MRI in Middle-Aged Patients With Asymptomatic Shoulders. *Orthop J Sports Med.* 2016 Jan 5;4(1):2325967115623212. doi: 10.1177/2325967115623212. eCollection 2016.

### Dr. J. Chris Coetzee

#### PEER REVIEW JOURNALS

Sangeorzan B, Anderson JG, Bohay D, Coetzee JC, Davitt J, Maskill J. Comparison of Treatment Outcomes of Arthrodesis and Two Generations Of Ankle Replacement Implants. Submitted to *J. Bone Joint Surg- Am.* Oct. 2016; accepted June 2017

Coetzee JC, Petersen D, Stone RM. Comparison of Three Total Ankle Replacement Systems done at a Single Facility. *Foot Ankle Spec.* 2017 Feb;10(1):20-25. doi: 10.1177/1938640016666926. Epub 2016 Sep 20.

Coetzee JC, Myerson MS, Anderson JG. The Use of AlloStem™ in Subtalar Fusions. *Foot Ankle Clin.* 2016 Dec;21(4):863-868. doi: 10.1016/j.fcl.2016.07.011.

#### BOOK CHAPTERS

Coetzee JC, Pena FA. Minimally Invasive Closed Reduction and Internal Fixation of Calcaneal Fractures. In: Scuderi, GR; Tria, AJ. *Minimally Invasive Surgery in Orthopedics.* (Second Edition). 30 July 2016:879-884. ISBN: 978-3-319-34109-5 (Online). doi: 10.1007/978-3-319-34109-5\_80.

Coetzee JC, Rippstein P. Total Ankle Replacement in Deformity. *Atlas of Ankle Replacements.* In Production 2016.

#### VIDEO

DVD/Blu-ray: Coetzee JC: Surgical Techniques in Orthopaedics: Total Ankle Arthroplasty [DVD]. Rosemont, IL, American Academy of Orthopaedic Surgeons, 2016.

### Dr. Patrick B. Ebeling

#### PEER REVIEW JOURNALS

Ebeling PB. More Isn't Always Better, But Is Less? Commentary on an article by Juuso Heikkinen, MD, et al.: "Augmented Compared with Nonaugmented Surgical Repair After Total Achilles Rupture. Results of a Prospective Randomized Trial with Thirteen or More Years of Follow-up" *J Bone Joint Surg Am.* 2016 Jan 20; 98(2):e8. <http://dx.doi.org/10.2106/JBJS.15.01165>

### Dr. Ryan W. Hess

#### PEER REVIEW JOURNALS

Joyner PW, Bruce J, Hess R, Mates A, Mills FB 4<sup>th</sup>, Andrews JR. Magnetic resonance imaging-based classification for ulnar collateral ligament injuries of the elbow. *J Shoulder Elbow Surg.* 2016 Oct;25(10):1710-6. doi: 10.1016/j.jse.2016.05.006

### Dr. Christopher M. Larson

#### PEER REVIEW JOURNALS

Ross JR, Larson CM, Bedi A. Indications for Hip Arthroscopy. *Sports Health.* 2017 Jul 1:1941738117712675. doi: 10.1177/1941738117712675. [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, Ulrike M, Nho SJ, Safran M. Orthopedists Deliberate Management of Athletic Hip Injuries. *ORTHOPEDICS TODAY.* Accepted for publication January 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.

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.* 2016 Dec. Published online 24 Jan 2017. doi: 10.1007/s00167-016-4411-8.

Bedi A, Ross JR, Khan M, Noonan BC, Magennis E, Larson CM, Kelly BT. Characterization and Correction of Symptomatic Hip Impingement in American Football Linemen. *Arthroscopy.* Submitted for publication January 2017.

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.

Larson CM, Clohisy JC, Beaulé PE, Kelly BT, Giveans MR, Stone RM, Samuelson, KM, ANCHOR Study Group. Intraoperative and Early Postoperative Complications after Hip Arthroscopic Surgery: A Prospective, Multicenter Trial Utilizing a Validated Grading Scheme. *Am J Sports Med*. 2016 Sep;44(9):2292-8. doi: 10.1177/0363546516650885.

Kuhn AW, Noonan BC, Kelly BT, Larson CM, Bedi A. The Hip in Ice Hockey: A Current Concepts Review. *Arthroscopy*. 2016 Sep;32(9):1928-38. doi: 10.1016/j.arthro.2016.04.029. Epub 2016 Jun 16.

Larson CM. Editorial Commentary: Ligamentum Teres Tears and Femoroacetabular Impingement: Complex Coexistence of Impingement and Instability. *Arthroscopy*. 2016 Jul;32(7):1298-9. doi: 10.1016/j.arthro.2016.05.003.

Niroopan G, de SA D, MacDonald A, Burrow S, Larson CM, Ayeni OR. Hip Arthroscopy in Trauma: A Systematic Review of Indications, Efficacy and Complications. *Arthroscopy*. 2016 Apr;32(4):692-703.e1. doi: 10.1016/j.arthro.2015.12.029.

Larson CM, Ross JR, Stone RM, Samuelson KM, Schelling EF, Giveans MR, Bedi A. Arthroscopic Management of Dysplastic Hip Deformities: Predictors of Success and Failures With Comparison to an Arthroscopic FAI Cohort. *Am J Sports Med*. 2016 Feb;44(2):447-53. doi: 10.1177/0363546515613068. Epub 2015 Nov 30

Khan M, Habib A, de Sa D, Larson CM, Kelly BT, Bhandar M, Ayeni OR, Bedi A. Arthroscopy up to Date: Hip Femoroacetabular Impingement. Systematic Review. *Arthroscopy*. 2016 Jan;32(1):177-189.

Ross JR, Bedi A, Clohisy JC, Gagnier JJ, ANCHOR Study Group, Larson CM. Surgeon Willingness to Participate in Randomized Controlled Trials for the Treatment of Femoroacetabular Impingement. *Arthroscopy*. 2016 Jan;32(1):20-24.e23. doi: 10.1016/j.arthro.2015.07.003. Epub 2015 Sep 26.

Lynch TS, Larson CM, Bedi A, Ahmad CS. Team Physician Xs and Os: Athletic Hip Injuries Sports Medicine Update. 2016 Jan/Feb: 4-6.

#### BOOK CHAPTERS

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).

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).

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, Mlynarek RA, Stone RM, Bedi A. Hip Arthroscopy for the Management of Nonstructural Problems. *AAOS Advanced Reconstruction: Hip 2*. 2016.

Mlynarek RA, Ross JR, Larson CM, Kelly BT, Bedi A. Hip Arthroscopy for the Management of Structural Problems. *AAOS Advanced Reconstruction: Hip 2*. 2016

Acker II WB, Ross JR, Larson CM, Bedi A. Indications for Hip Arthroscopy. In: Byrd JWT, Bedi A, Stubbs AJ. *The Hip: AANA Advanced Arthroscopic Surgical Techniques*. SLACK, Inc. 2016;Chapter 3:35-42. ISBN: 978-1-63091-000-6.

Larson CM, Stone RM. Use of Intra-operative Fluoroscopy and Dynamic Examination in Hip Arthroscopy: Achieving a Complete FAI Correction. In: Byrd JWT, Bedi A, Stubbs AJ. *The Hip: AANA Advanced Arthroscopic Surgical Techniques*. SLACK, Inc. 2016;Chapter 7:87-102. ISBN: 978-1-63091-000-6.

Nepple JJ, Bedi A, Larson CM. Approaches to Capsulotomy and Capsular Management in Hip Arthroscopy. In: Byrd JWT, Bedi A, Stubbs AJ. *The Hip: AANA Advanced Arthroscopic Surgical Techniques*. SLACK, Inc. 2016;Chapter 10:125-138. ISBN: 978-1-63091-000-6.

### Dr. Gregory N. Lervick

#### PEER REVIEW JOURNALS

CORR Insights®: Economic Decision Model Suggests Total Shoulder Arthroplasty is Superior to Hemiarthroplasty in Young Patients With End-stage Shoulder Arthritis. *Clin Orthop Relat Res*. 2016 Nov;474(11):2493-2495. Epub 2016 Sep 6.

### Dr. Kevin E. Lindgren

#### PEER REVIEW JOURNALS

Lindgren KE, Anderson MB, Peters CL, Pelt CE, Gililland JM. The Prevalence of Positive Findings on Metal Artifact Reduction Sequence Magnetic Resonance Imaging in Metal-on-Metal Total Hip Arthroplasty. *J Arthroplasty* 2016 Jul;31(7):1519-1523. doi: 10.1016/j.arth.2016.01.011



## Dr. Steven W. Meisterling

### PEER REVIEW JOURNALS

Meisterling SW, Strates BS, Knight RQ, Novak JR, Mollner TJ, Fritz ED, Chakkalakal DA. Chitosan Enhances Osteogenetic Potential of Ethylene-Oxide Sterilized Demineralized Bone Matrix. *Current Tissue Engineering*. 2016 Aug;5(2):130-136.

## Dr. Jeffrey D. Seybold

### PEER REVIEW JOURNALS

Seybold JD, Coetzee JC. Primary Triple Arthrodesis for Management of Rigid Flatfoot Deformity. *J Bone Joint Surg Essent Surg Tech*, 2016 Aug 10;6(3):e29. <http://dx.doi.org/10.2106/JBJS.ST.16.00009>

Seybold JD, Campbell JT, Jeng CL, Short KW, Myerson MS. Outcome of Lateral Transfer of the FHL or FDL for Concomitant Peroneal Tendon Tears. *Foot Ankle Int* 2016 Jun;37(6):576-81. doi: 10.1177/1071100716634762.

Seybold JD, Coetzee JC. Surgical management of post-traumatic midfoot deformity and arthritis. *Tech Foot Ankle Surg* 2016 Jun;15(2):79-86. doi: 10.1097/BTF.0000000000000094

### BOOK CHAPTERS

Seybold JD, Kadakia AR. Disorders of the Foot and Ankle. In: Miller MD, Thompson SR. *Review of Orthopaedics*. 7th edition. Philadelphia: Elsevier. 2016: 482-575. ISBN-13: 978-0323355179

## Dr. John E. Sherman

### PEER REVIEW JOURNALS

Sherman JE, Sherman T, Francis WL, Norton B. Performance Testing of an Injectable Silicone Rubber-Based Nucleus Replacement Device. *European Spine J*. 2016 Oct.

## MOSMI Fellowship Research Publications

### PEER REVIEW JOURNALS

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 Jun 6. pii: S0749-8063(17)30384-5. doi: 10.1016/j.arthro.2017.04.012. [Epub ahead of print]

Denker JA, Fritts HM, Stone RM, Larson CM. Hip Arthroscopy for Removal of an Acetabular Rim-Based Osteoid Osteoma and Concomitant Femoroacetabular Impingement Correction. *Arthrosc Tech*. 2016 Dec; 5(6): e1215–e1220. Published online 2016 Oct 24. doi: 10.1016/j.eats.2016.07.008

Oliver SM, Coetzee JC, Nilsson LJ, Samuelson KM, Stone RM, Fritz JE, Giveans MR. Early Patient Satisfaction Results on a Modern Generation Fixed-Bearing Total Ankle Arthroplasty. *Foot Ankle Int*. 2016 Sep;37(9):938-43. doi: 10.1177/1071100716648736. Erratum in: *Foot Ankle Int*. 2016 Oct 18.

Larson CM, Heikes CS, Ellingson CI, Wulf CA, Giveans MR, Stone RM, Bedi A. Allograft and Autograft Transphyseal Anterior Cruciate Ligament Reconstruction in Skeletally Immature Patients: Outcomes and Complications. *Arthroscopy*. 2016 May;32(5):860-7. doi: 10.1016/j.arthro.2015

### BOOK CHAPTERS

Larson CM, Rowley DM. Athletic Pubalgia/Core Muscle Injury and Groin Pathology. *Orthopaedic Knowledge Update: Sports Medicine* 5. 2016;Chapter 14:163-172. ISBN-13: 978-1625523280. ISBN-10: 1625523289

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