



TWIN CITIES ORTHOPEDICS
FOUNDATION

Research • Education • Community Service



2014 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



MESSAGE FROM THE PRESIDENT

On behalf of the Foundation Board Members I would like to offer my gratitude for your support of the Foundation, as well as your ongoing support for 2015. As you can see in the 2014 Annual Report, with your help we were able to accomplish many things. We are excited about our 2015 initiatives, and I think we have put together a program that all would be willing to support and can be extremely proud of.

In 2014, physicians of Twin Cities Orthopedics have accomplished much in terms of several outstanding research projects. We have also sponsored several community related initiatives in regards to musculoskeletal health, well being, and education. We are working with local school districts on concussion prevention and testing, as well as athletic training room equipment supplies and scholarship programs. We supported several organizations including Cycle Health. In January 2014 we sent a medical team to Leon, Nicaragua for an international medical mission, and in April 2015 we accomplished our third trip to Nicaragua for medical missions. During this trip the Foundation was able to support three team members; this included a P.A., a scrub technician, and a medical student/interpreter. In regards to international missions we are also planning to host two Residents from the orthopedic program in Leon, Nicaragua this coming October to spend one week with physicians within Twin Cities Orthopedics. They will observe patient care in clinic, observe surgery, and attend the Hennepin County Medical Center Trauma Conference.

Your donations and support are greatly appreciated and needed to allow the Foundation to accomplish the goals set forth in regards to fulfilling our mission of advancing musculoskeletal health through community service, orthopedic research, education, and training. Please do not hesitate to contact me or any other board member if you have questions or concerns regarding this report or any other activity of the Foundation.

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 by 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

2014 Accomplishments

- Numerous ongoing and completed research projects
- Nicaragua Volunteer Service trip with COAN, April, 2014
- Provide funding to support over 4,500 baseline concussion tests in area high schools
- Scholarship awards to individuals in the Minneapolis School District
- Strategic Partnership with CycleHealth

2015 Objectives

- Sponsor international orthopedic residents to visit US and attend trauma conference
- Scholarship Program
- Strategic Partnerships with CycleHealth and LSWAG
- Adopt a Training Room project
- ImPACT Testing support
- Financially support non-physician support staff on international medical mission
- Financially support community talks in underserved areas focused on orthopedic preventive care



“Developing and investing in key activities to improve the quality of life of those affected by bone, joint and muscle injuries and disorders.”

2014 BOARD OF DIRECTORS



Kurt Anderson, MD
PRESIDENT



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John Anderson, MD



Scott Anseth, MD



David Gesensway, MD



Jay Johnson, MD



Patrick Kraft, MD

YEAR END | DECEMBER 31, 2014

STATEMENT OF ACTIVITIES

CONTRIBUTIONS

REVENUES	
Research & Education	\$250,600
Other Designated Funds	\$1,400
Unrestricted Funds	\$46,500
Total Contributions	\$298,500

DISBURSEMENTS

EXPENSES	
Research & Education	\$200,000
Concussion Program	\$15,500
Strategic Partners	\$5,000
Scholarship Program	\$5,000
Administrative Costs	\$5,800
Total Disbursements	\$231,300

2014 TOTALS

Total Expenses	\$231,300
Change in Net Assets	\$67,200
Net Assets, Beginning of Year	\$2,900
Net Assets, End of Year 2014	\$70,100

SUPPORTING OUR COMMUNITIES

LOCAL INVOLVEMENT

CycleHealth: Kid Adventures That Matter

TCO proudly supported CycleHeath as a corporate sponsor of the Inaugural Breakaway Kids Triathlon on August 23, 2014, as well as provided medical support for the event.



Tony Schiler, CycleHealth's Chief Motivator welcoming all the participants



Triathlon participants approaching the finish line



The TCO tent at the Breakaway Kids Tri



Gathering the participants for some motivational words prior to the race

SUPPORTING OUR COMMUNITIES

GLOBAL INVOLVEMENT

Mission Trip to Nicaragua with COAN

Founded in 2002, Cooperación Ortopédica Americano Nicaragüense (COAN) is a not-for-profit organization committed to optimizing the healthcare and well-being of the people of Nicaragua, which is home to over five million residents. Approximately 95% of Nicaraguan residents qualify for assistance from COAN. The team's patient base are low-income individuals, mainly families, who need emergency treatment and longer term orthopaedic care to increase their overall health. A great many of those served by COAN's program are children. Nicaragua has a total of 36 hospitals in the entire country, including two teaching hospitals. COAN's mission is home to the Hospital Escuela Oscar Danilo Rosales Argüello (HEODRA) teaching hospital in León, where medical teams share their knowledge and skills with the orthopaedic residents in their medical school, nursing programs, and therapy programs.



Dr. David Gesensway with a young post-op patient



600 pounds of donations were sent with the team



Dr. Kurt Anderson performing patient evaluations in clinic



Dr. Kurt Anderson, Dr. Talena, Dr. David Gesensway and Dr. Paiz

The best way to have a long-term health care impact is to improve the knowledge and skills of the local providers. Thanks to the TCO Foundation's financial support of this cause, 3 additional team members were able to participate in the April 18-25, 2014 trip. Below are the team members that accompanied Dr. Kurt Anderson and Dr. David Gesensway on their third trip to Leon with COAN:

Kristin Anderson, CHT – Hand Therapy

Ben Gesensway, PT – Student

John Muelkin, Orthopedic PA – TCO

Kristin Hansen, Scrub Tech – Allina Mercy Hospital

Taryn Cederstrom, Pre-Med Student at St. Kate's – Spanish Interpreter

Also joining on the trip were Dr. Jessica Hirschhorn from Bethesada, Maryland and her RNFA, Elizabeth Simpson.

The trip consisted of a Sunday clinic where 60 plus patients were evaluated for surgery. Residents participated in daily morning conferences where team members provided educational lectures on various orthopedic topics. Surgeries were performed daily, Monday through Friday.

Dr. Gesensway performed and instructed residents regarding many complicated hand and upper extremity cases. This included old fracture/dislocations, deformity correction, congenital deformities and upper extremity nerve issues including a complicated median nerve cable graft for complete median nerve palsy/injury. Dr. Anderson and Dr. Hirshorn performed ACL reconstruction, shoulder instability, deformity correction, complex hip fracture and lower extremity non-union cases.

A proposal was approved by the University in Leon, as well as HEODRA's Hospital Director, to bring two Nicaraguan residents to Minneapolis next fall to spend time with TCO surgeons observing, as well as hosting them to attend the HCMC Orthopedic Trauma conference in November. Thanks to the TCO Foundation's approval of the funds necessary for this mentoring and educational week, all costs to the Nicaraguan doctors are covered! The TCO Foundation hopes to continue to participate and support the success of these trips to Nicaragua on an annual basis, as well as continue to host Nicaraguan residents here in MN. The trips are open to all physicians and subspecialties within TCO.

"It is always a very rewarding experience. Most people return feeling a great sense of satisfaction. The desire to return to new found friends that are made, where relationships are established and deepened with each other and the staff and people of Nicaragua. Most participants develop a great understanding of the complexities of 3rd world countries, 3rd world medicine, and the economic disparities involved in providing basic orthopedic care in a developing country. We truly marvel and develop great respect at how resourceful the local providers are at caring for their people with so little resources. We realize how fortunate we are to live and work here in the US, but also get to see how people in fairly desperate circumstances are still kind, generous, and loving, and how universally we are all the same in terms of what really matters...family and relationships with others!"

– Dr. Kurt Anderson, TCO Foundation President

2003

COAN'S INAUGURAL TRIP
TO NICARAGUA

4

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

9

NUMBER OF TEAM MEMBERS
WHO PARTICIPATED IN THE
APRIL 2014 MISSION

60+

NUMBER OF PATIENTS
EVALUATED FOR SURGERY
DURING SUNDAY CLINIC

24

NUMBER OF SURGICAL
CASES PERFORMED

5

NUMBER OF PRESENTATIONS
GIVEN TO HEODRA STUDENTS

27

NUMBER OF PATIENTS
TREATED IN HAND THERAPY

TCO FOUNDATION RESEARCH STUDIES

TCO – IRB Approved Research Studies

Dr. David R. Anderson

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

Dr. John T. Anderson

Peri-Operative Patient Specific Blood and Anemia Management in Elective Total Joint Replacement Patients

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

Dr. Scott D. Anseth

Anseth SD, Voss MA, Stone RM. A Randomized Clinical Study to Compare the Safety and Efficacy of the Oxford Cementless Partial Knee System.

Dr. J. Chris Coetzee

Coetzee JC, Stone RM. Treatment Outcomes of Hallux Rigidus

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

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

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

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

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

Coetzee JC. Treatment Outcomes of Ankle Osteoarthritis

Dr. Christie S. Heikes

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

Dr. Christopher M. Larson

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

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

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

Larson CM, Stone RM, Schelling EF, Giveans MR. Ehlers Danlos Syndrome: Arthroscopic Management for Extreme Soft Tissue Hip Instability

Larson CM, Bedi A, Stone RM. Characterization of Symptomatic Hip Impingement in Butterfly Ice Hockey Goalies

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

Larson CM, Giveans MR, Stone RM, Samuelson KM, Schelling EF. 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, 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

Dr. Gregory N. Lervick

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

Lervick GN, Schelling EF. Results of Rotator Cuff Repair Following Acute Shoulder Dislocation

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 Deltpectoral 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. Patient Satisfaction With Cosmesis and Function Following ORIF of Mid-shaft Clavicle Fractures

Dr. Brad R. Moser

Moser BR, Coetzee JC, Stone RM, Fritz JE, Schelling EF. 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

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

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

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

Dr. J. Patrick Smith

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

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

M. Russell Giveans, Ph.D.

Tabaddor R, Giveans MR. Biomechanics of the WII Shoulder

MOSMI Fellowship – IRB Approved Research Studies

Dr. J. Chris Coetzee

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

Dr. Christopher M. Larson

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

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, 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, 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

TCO FOUNDATION RESEARCH PUBLICATIONS

TCO Research Publications

Dr. Scott D. Anseth

Peer Review Journals:

1. Crespin DJ, Griffin KH, Johnson JR, Miller C, Finch MD, Rivard RL, Anseth S, Dusek JA. Acupuncture Provides Short-Term Pain Relief for Patients in a Total Joint Replacement Program. *Pain Med*. 2015 Jan 13. doi: 10.1111/pme.12685. [Epub ahead of print]
2. Colwell CW Jr, Froimson MI, Anseth SD, Giori NJ, Hamilton WG, Barrack RL, Buehler KC, Mont MA, Padgett DE, Pulido PA, Barnes CL. A mobile compression device for thrombosis prevention in hip and knee arthroplasty. *J Bone Joint Surg Am*. 2014 Feb 5;96(3):177-83. doi: 10.2106/JBJS.L.01031.

Dr. J. Chris Coetzee

Peer Review Journals:

1. Giza E, Delman C, Coetzee JC, Schon LC. Arthroscopic treatment of talus osteochondral lesions with particulated juvenile allograft cartilage. *Foot Ankle Int*. 2014 Oct;35(10):1087-94. doi: 10.1177/1071100714548704. Epub 2014 Sep 15.
2. Hsu AR, Haddad S, Coetzee JC, Berlet. Effects of Total Ankle Arthroplasty Training Course on Physician Practice Patterns and Complication Rates. *Foot Ankle Spec* June 2014;7(3):193-198.

Book Chapters:

1. Coetzee JC. Arthrodesis of the Tarsometatarsal Joint for Acute Midfoot Injuries. In: AOFAS Advanced Reconstruction Foot and Ankle 2. Am Acad Ortho Surgery, Rosemount, IL: 2015;Chapter 54:453-460.

2. Coetzee JC. The Mobility Prosthesis. In: AAOS monograph, Total Ankle Arthroplasty. Rosemount, IL 2015;Chapter 14:165-170.
3. Coetzee JC. The Agility Total Ankle Prosthesis: Design Issues and Implementation Techniques That Lead to Revision Surgery. In: AAOS monograph, Total Ankle Arthroplasty. Rosemount, IL: 2015;Chapter 5:51-59.
4. Coetzee JC. Editor, Managing Complications in Foot and Ankle Surgery, *Foot Ankle Clin*. Elsevier, New York, NY; 2014;Sep;19(3).
5. Coetzee JC. Preface. Managing Complications in Foot and Ankle Surgery, *Foot Ankle Clin*. Elsevier, New York, NY; 2014;Sep;19(3):xiii-xiv
6. Coetzee JC. Management of Anterior Translation of the Talus During a Total Ankle Replacement Total Ankle Replacement: An Operative Manual 1st Edition: Lippincott Williams & Wilkins. Philadelphia, PA; 2014;Chapter 11: 92-99.

Dr. Christopher M. Larson

Peer Review Journals:

1. De Sa D, Cargnelli S, Catapano M, Peterson D, Simunovic N, Larson CM, Ayeni OR.. Efficacy of Hip Arthroscopy for the Management of Septic Arthritis: A Systematic Review. *Arthroscopy*. 2015 Feb 19. pii: S0749-8063(15)00013-4. doi: 10.1016/j.arthro.2014.12.028. [Epub ahead of print] Review.
2. Ross JR, Tannenbaum EP, Nepple JJ, Kelly BT, Larson CM, Bedi A. Functional Acetabular Orientation Varies Between Supine and Standing Radiographs: Implications for Treatment of Femoroacetabular Impingement. *Clin Orthop Relat Res*. 2015 Jan 6. [Epub ahead of print]

3. Ross JR, Larson CM, Adeoyo O, Kelly BT, Bedi A. Erratum to: Residual Deformity Is the Most Common Reason for Revision Hip Arthroscopy: A Three-dimensional CT Study. *Clin Ortho Relat Res* 2015 Mar;473(3):1167. doi: 10.1007/s11999-015-4137-9.
4. Ross JR, Bedi A, Stone RM, Sibilsky Enselman E, Kelly BT, Larson CM Characterization of Symptomatic Hip Impingement in Butterfly Ice Hockey Goalies. *Arthroscopy*. 2015 April;31(4):635-642.
5. Ross JR, Larson CM, Adeoyo O, Kelly BT, Bedi A. Residual Deformity Is the Most Common Reason for Revision Hip Arthroscopy: A Three-dimensional CT Study. *Clin Ortho Relat Res* 2014 Dec 5. [Epub ahead of print].
6. Massey PA, Nho SJ, Larson CM, Harris JD Letter to the Editor re: Cam impingement: defining the presence of a cam deformity by the alpha angle Data from the CHECK cohort and Chingford cohort. *Osteo and Cartilage* 2014 Dec;22(12):2093-4.
7. Larson CM, Moreau-Gaudry A, Kelly BT, Thomas Byrd JW, Tonetti J, Lavalley S, Chabanas L, Barrier G, Bedi A. Are Normal Hips Being Labeled as Pathologic? A CT-based Method for Defining Normal Acetabular Coverage. *Clin Orthop Relat Res*. 2014 Nov 19. [Epub ahead of print] 2015 Apr;473(4):1247-54. doi: 10.1007/s11999-014-4055-2.
8. Ross JR, Nepple JN, Philippon MJ, Kelly BT, Larson CM, Bedi A. Effect of Changes in Pelvic Tilt on Range of Motion to Impingement and Radiographic Parameters of Acetabular Morphology. *Am J Sports Med*. 2014 Oct;42(10):2402-9.

9. De Sa D, Alradwan H, Cargnelli S, Thawer, Simunovic N, Cadet E, Bonin N, Larson CM, Ayeni OR. Extra-Articular Hip Impingement: A Systematic Review Examining Operative Treatment of Psoas, Subspine, Ischiofemoral and Greater Trochanteric/Pelvic Impingement. *Arthroscopy*. 2014 Aug;30(8):1026-41.
10. Ross JR, Bedi A, Stone RM, Sibilsky Enselman E, Leunig M, Kelly BT, Larson CM. Intraoperative Fluoroscopic Imaging to Treat Cam Deformities: Correlation with 3D Computed Tomography. *Am J Sports Med*. 2014 Apr 15;42(6):1370-1376.
11. Larson CM, Giveans MR, Samuelson KM, Stone RM, Bedi A. Arthroscopic Hip Revision Surgery for Residual FAI: Surgical Outcomes Compared to a Matched Cohort after Primary Arthroscopic FAI Correction. *Am J Sports Med*. 2014 May 29;42(8):1785-1790.
12. Weber AE, Bedi A, Tibor LM, Zaltz I, Larson CM. The Hyperflexible Hip: Managing Hip Pain in the Dancer and Gymnast. *Sports Health*. published online 23 April 2014. DOI: 10.1177/1941738114532431
13. Rust DA, Giveans MR, Stone RM, Samuelson KM, Larson CM. Functional Outcomes and Return to Sports after Acute Repair, Chronic Repair, and Allograft Reconstruction for Proximal Hamstring Ruptures. *Am J Sports Med*. 2014 Apr 3; 42(6):1377-1383.
14. Larson CM. Sports Hernia / Athletic Pubalgia: Evaluation and Management. *Sports Health*. March 2014;6(2):139-144.
15. Hoppe DJ, de Sa D, Simunovic N, Bhandari M, Safran MR, Larson CM, Ayeni OR. The Learning Curve for Hip Arthroscopy: A Systematic Review. *Arthroscopy*. 2014 Mar;30(3):389-97.
16. Larson CM, Kelly BT, Leunig M, Zaltz I, Clohisy JC. Letter to the Editor regarding "Surgical Dislocation of the Hip Versus Arthroscopic Treatment of Femoroacetabular Impingement: A Prospective Matched-Pair Study With Average 2-Year Follow-up" written by Benjamin G. Domb, MD., Christine E. Stake, MA., Itamar B. Botser, MD., and Timothy J. Jackson, MD. *Arthroscopy*. 2014 February;30(2):155-156.
17. Zaltz I, Kelly BT, Larson CM, Leunig M, Bedi A. Surgical Treatment of Femoroacetabular Impingement: What Are the Limits of Hip Arthroscopy? *Arthroscopy*. 2014 Jan;30(1):99-110. doi: 10.1016/j.arthro.2013.10.005.

Book Chapters:

1. Nosal C, Bedi A, Stone RM, Larson CM. Indications for Hip Arthroscopy. In: McCarthy, Villar, Noble. *Diagnosis and Surgical Treatment of Hip Disease: A Worldwide Perspective on Approaches and Outcomes* Springer, New York, NY. To be published June 24, 2015.
2. Larson CM, Stone RM, Birmingham PM. Arthroscopic Treatment of Combined Cam and Pincer-type Femoroacetabular Impingement. In: McCarthy, Villar, Noble. *Diagnosis and Surgical Treatment of Hip Disease: A Worldwide Perspective on Approaches and Outcomes* Springer, New York, NY. To be published June 24, 2015.
3. Larson CM. Optimizing Exposure and Accessibility for Arthroscopic Correction of Femoroacetabular Impingement. In: McCarthy, Villar, Noble. *Diagnosis and Surgical Treatment of Hip Disease: A Worldwide Perspective on Approaches and Outcomes* Springer, New York, NY. To be published June 24, 2015.
4. Bedi A, Ross JR, Kelly BT, Larson CM. Avoiding and Treating Complications and Failures During Arthroscopic Femoroacetabular Impingement. *AAOS. Instructional Course Lectures*. To be published March 2015; Volume 64:Chapter 26. ISBN/ISSN: 9781625523020.
5. Larson CM. Editor for. In: Nho, Leunig, Larson, Bedi, Kelly: *Hip Arthroscopy and Hip Joint Preservation Surgery*. Springer Science+Business Media New York. 2015. ISBN 978-1-4614-6964-3; ISBN 978-1-4614-6965-0 (eBook); ISBN 978-1-4614-6966-7 (print and electronic bundle); DOI 10.1007/978-1-4614-6965-0.
6. Salata MJ. Larson CM. Surgical Technique: Arthroscopic Management of the Acetabulum. In: Nho, Leunig, Larson, Bedi, Kelly: *Hip Arthroscopy and Hip Joint Preservation Surgery*. Springer, New York. 2015;Chapter 53:703-712.
7. Harris JD, Larson CM, Nho SJ. Complications associated with hip arthroscopy and open hip preservation surgery. In: Nho, Leunig, Larson, Bedi, Kelly: *Hip Arthroscopy and Hip Joint Preservation Surgery*. Springer, New York. 2015;Chapter 28:399-412.
8. Birmingham PM, Larson CM. Medial Soft Tissue Injuries of the Hip: Adductor Strains and Athletic Pubalgia. In: Kelly BT, Larson CM, Bedi A. *Sports Hip Injuries: Diagnosis and Management*. New Jersey. SLACK Inc. To be published March 15, 2015. ISBN 978-1-61711-046-7.

9. Larson CM, Birmingham PM. Scope for FAI. *Operative Techniques in Orthopaedic Surgery* 2/e. Wolters Kluwer Health. Submitted November 2013. Chapter 26. Published 2015.
10. Bedi A, Acker II WB, Ross JR, Larson CM. Operative Indications for Hip Arthroscopy and Open Hip Preservation Surgery. In: Nho, Leunig, Larson, Bedi, Kelly: *Hip Arthroscopy and Hip Joint Preservation Surgery*. Springer, New York. 2015; Chapter 15:281-294.
11. Larson CM, Stone RM. Femoroacetabular Impingement Arthroscopic Management of the Proximal Femur. Volume 3: *The Adult Hip: Hip Preservation Surgery*. Wolters Kluwer Health. Philadelphia, PA. 2015;Chapter 47:553-565.
12. Hapa O, Açan E, Larson CM, Akdeniz O, Havitcioğlu H. Anterior Inferior Iliac Spine and Subspine Hip Impingement: Concept, Surgical Technique and Outcomes. In: Doral and Karlsson: *Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation*. Springer, Philadelphia, PA. June 2014; 1-6.
13. Nepple JJ, Bedi A, Larson CM. Approaches to Capsulotomy and Capsular Management in Hip Arthroscopy. *The Hip: AANA Advanced Arthroscopic Surgical Techniques*. SLACK, Inc. Submitted July 2014.
14. Larson CM, Stone RM. Use of Intraoperative Fluoroscopy and Dynamic Examination in Hip Arthroscopy: Achieving a Complete FAI Correction. *The Hip: AANA Advanced Arthroscopic Surgical Techniques*. SLACK, Inc. Submitted July 2014.

Dr. Brad R. Moser

Peer Review Journals:

1. Moser BR. 30,000 kicks: gaining perspective in dance training volume. *Curr Sports Med Rep*. 2014 Sep-Oct;13(5):293-4. doi: 10.1249/JSR.0000000000000080.
2. Moser BR. Hip pain in dancers. *Curr Sports Med Rep*. 2014 Nov-Dec;13(6):383-9. doi: 10.1249/JSR.0000000000000103.

MOSMI Fellowship – Research Publications

Dr. Christopher M. Larson

Peer Review Journals:

1. Larson CM, Stone RM, Grossi EF, Giveans MR, Cornelsen GD. Ehlers-Danlos Syndrome: Arthroscopic Management for Extreme Soft Tissue Hip Instability. Submitted to *Arthroscopy* 2015.

Book Chapters:

1. Larson CM. Cornelsen GD, Stone RM. Surgical Technique: Allograft Augmentation of Chronic Hamstring Repair. In: Nho, Leunig, Larson, Bedi, Kelly: *Hip Arthroscopy and Hip Joint Preservation Surgery*. Springer, New York, NY. 2015;Chapter 73:921-928.

2. Larson CM, Birmingham PM, Oliver SM. Athletic Pubalgia. In: DeLee & Drez's *Orthopaedic Sports Medicine: Principles and Practice*, 4e. Elsevier, Philadelphia, PA. 2015;chapter 83:966-974.

THANK YOU TO OUR DONORS

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