

Dr. David E. Hartigan Publications & Presentations

Research Publications

Peer-Reviewed Articles

Rangachari V, Moore BD, Reed DK, Sonoda LK, Bridges AW, Conboy E, Hartigan D, Rosenberry TL. Amyloid-beta(1-42) rapidly forms protofibrils and oligomers by distinct pathways in low concentrations of sodium dodecylsulfate. *Biochemistry*. 2007 Oct 30; 46(43):12451-62. Epub 2007 Oct 02. PMID: 17910477 DOI: 10.1021/bi701213s

Fehringer EV, Rosipal CE, Rhodes DA, Lauder AJ, Puumala SE, Feschuk CA, Mormino MA, Hartigan DE. The radiographic acromiohumeral interval is affected by arm and radiographic beam position. *Skeletal Radiol*. 2008 Jun; 37(6):535-9. PMID: 18343920 DOI: 10.1007/s00256-008-0467-y

Hartigan DE, Veillette CJ, Sanchez-Sotelo J, Sperling JW, Shives TC, Cofield RH. Reconstruction of the proximal humerus for bone neoplasm using an anatomic prosthesis-bone graft composite. *Acta Orthop Belg*. 2012 Aug; 78(4):450-7. PMID: 23019776

Walker J, Hartigan DE, Stuart MJ, Krych A. Anterior Closing Wedge Tibial Osteotomy for Failed Anterior Cruciate Ligament Reconstruction *J Knee Surg Rep* 2015.2015;1:(01):051-056. DOI: DOI: 10.1055/s-0035-1551548

Hartigan DE, McCarthy MA, Krych AJ, Levy BA. Arthroscopic-assisted reduction and percutaneous fixation of tibial plateau fractures. *Arthrosc Tech*. 2015 Feb; 4: (1)e51-5. PMID: 25973374 PMCID: 4427637 DOI: 10.1016/j.eats.2014.11.002

Hartigan DE, Beran MC, Fleischli JE, D'Alessandro DF, Zheng NN. Biomechanical Evaluation of Two Arthroscopic Biceps Tenodesis Techniques: Proximal Interference Screw and Modified Percutaneous Intra-Articular Transtendon. *Am J Orthop (Belle Mead NJ)*. 2016 Jul-Aug; 45: (5)E261-7. PMID: 27552463

Hartigan DE, Perets I, Walsh JP, Close MR, Domb BG. Clinical Outcomes of Hip Arthroscopy in Radiographically Diagnosed Retroverted Acetabula. *Am J Sports Med*.2016 Jul 20; PMID: 27440805 DOI: 10.1177/0363546516652615

Hartigan DE, Carroll KW, Kosarek FJ, Piasecki DP, Fleischli JF, D'Alessandro DF. Visibility of Anterolateral Ligament Tears in Anterior Cruciate Ligament-Deficient Knees With Standard 1.5-Tesla Magnetic Resonance Imaging. *Arthroscopy*. 2016 Oct; 32 (10):2061-2065 Epub 2016 Apr 05 PMID: 27056290 DOI: 10.1016/j.arthro.2016.02.012

Flores S, Hartigan D, Patel KA, Roberts J, Chhabra A. Novel operation of snapping biceps femoris tendon. *J Knee Surg Rep*.2016 Dec; DOI: <http://dx.doi.org/10.1055/s-0036-1598013>

* Patel KA, Chhabra A, Goodwin JA, Hartigan DE. Identification of the Anterolateral Ligament on Magnetic Resonance Imaging. *Arthrosc Tech*. 2017 Feb; 6: (1)e137-e141. PMID: 28373952 PMCID: 5368341 DOI: 10.1016/j.eats.2016.09.015

* Domb BG, Hartigan DE, Perets I. Decision Making for Labral Treatment in the Hip: Repair Versus Debridement Versus Reconstruction. *J Am Acad Orthop Surg*. 2017 Mar; 25: (3)e53-e62. PMID: 28195988 DOI: 10.5435/JAAOS-D-16-00144

* Perets I, Hartigan DE, Chaharbakhshi EO, Walsh JP, Close MR, Domb BG. Knotless labral reconstruction using intraarticular graft customization - surgical technique. *Arthroscopy* (accepted).2017;

* Perets I, Hartigan DE, Chaharbakhshi EO, Close MR, Walsh JP, Domb BG. Outcomes of capsular plication in athletes undergoing hip arthroscopy with minimum two-year follow-up. *Arthroscopy* (accepted).2017;

Perets I, Gupta A, Chaharbakhshi EO, Ashberg L, Hartigan DE, Close MR, Domb BG. Does Bony Regrowth Occur After Arthroscopic Femoroplasty in a Group of Young Adolescents? *Arthroscopy*.2017 Mar 13; DOI: pii: S0749-8063(17)30097-X. doi: 10.1016/j.arthro.2017.01.023

Perets I, Hartigan DE, Chaharbakhshi EO, Walsh JP, Close MR, Domb BG. Circumferential Labral Reconstruction Using the Knotless Pull-Through Technique-Surgical Technique. *Arthrosc Tech*. 2017 Jun; 6: (3)e695-e698. PMID: 28706819 PMCID: 5495579 DOI: 10.1016/j.eats.2017.01.014

Chandrasekaran S, Walsh JP, Hartigan DE, Lodhia P, Suarez-Ahedo C, Domb BG. Posterolateral Acetabuloplasty and Distal Femoral Neckplasty, Labral Repair, and Capsular Plication for Hip Reverse Contre-Coupe Lesion. *Arthrosc Tech* (in press).2017;

* Patel KA, Chhabra A, Makovicka JL, Bingham J, Piasecki DP, Hartigan DE. Anterior Cruciate Ligament Tunnel Placement Using the Pathfinder Guide. *Arthrosc Tech*. 2017 Aug; 6 (4):e1291-e1296 Epub 2017 Aug 14 PMID: 29354431 PMCID: 5622279 DOI: 10.1016/j.eats.2017.05.009

* Patel KA, Chhabra A, Goodwin JA, Brown JC, Hartigan DE. Arthroscopic Iliopsoas Release at the Level of the Lesser Trochanter Following Total Hip Arthroplasty. *Arthrosc Tech*. 2017 Aug; 6 (4):e1421-e1426 Epub 2017 Aug 28 PMID: 29354451 PMCID: 5622410 DOI: 10.1016/j.eats.2017.05.023

Hartigan DE, Perets I, Walsh JP, Domb BG. Femoral Derotation Osteotomy Technique for Excessive Femoral Anteversion. *Arthrosc Tech*. 2017 Aug; 6 (4):e1405-e1410 Epub 2017 Aug 28 PMID: 29354448 PMCID: 5622587 DOI: 10.1016/j.eats.2017.05.027

* Perets I, Hartigan DE, Chaharbakhshi EO, Ashberg L, Ortiz-Declet V, Domb BG. Outcomes of Hip Arthroscopy in Competitive Athletes. *Arthroscopy*. 2017 Aug; 33 (8):1521-1529 Epub 2017 May 12 PMID: 28506616 DOI: 10.1016/j.arthro.2017.03.006

Domb BG, Hartigan DE. Consider suture staple repair technique for partial-thickness abductor tendon tears. *Orhopedics Today*.2017 Sep;

Jarbo KA, Hartigan DE, Scott KL, Patel KA, Chhabra A. Accuracy of the Lever Sign Test in the Diagnosis of Anterior Cruciate Ligament Injuries. *Orthop J Sports Med*. 2017 Oct; 5 (10):2325967117729809 Epub 2017 Oct 11 PMID: 29051898 PMCID: 5639970 DOI: 10.1177/2325967117729809

Hartigan DE, Perets I, Walsh JP, Chaharbakhshi EO, Yuen LC, Domb BG. Clinical Outcomes of Hip Arthroscopic Surgery in Patients With Femoral Retroversion: A Matched Study to Patients With Normal Femoral Anteversion. *Orthop J Sports Med.* 2017 Oct; 5 (10):2325967117732726 Epub 2017 Oct 27 PMID: 29124076 PMCID: 5661671 DOI: 10.1177/2325967117732726

Hartigan DE, Perets I, Walsh JP, Domb BG. Imaging of Abductor Tears: Stepwise Technique for Accurate Diagnosis. *Arthrosc Tech.* 2017 Oct; 6 (5):e1523-e1527 Epub 2017 Oct 12 PMID: 29354468 PMCID: 5709972 DOI: 10.1016/j.eats.2017.06.032

* Goodwin JA, Chhabra A, Patel KA, Hartigan DE. Lesser Trochanter Osteoplasty for Ischiofemoral Impingement. *Arthrosc Tech.* 2017 Oct; 6 (5):e1755-e1760 Epub 2017 Oct 02 PMID: 29399462 PMCID: 5793943 DOI: 10.1016/j.eats.2017.06.047

* Vestermark G, Hartigan D, Piasecki D, Fleischli J, Odum SM, Zheng N, D'Alessandro DF. Biceps Tenodesis: Biomechanical Assessment of 3 Arthroscopic Suprapectoral Techniques. *Orthopedics.* 2017 Nov 1; 40 (6):e1009-e1016 Epub 2017 Oct 03 PMID: 28968479 DOI: 10.3928/01477447-20170925-03

Hartigan DE, Perets I, Yuen LC, Domb BG. Results of hip arthroscopy in patients with MRI diagnosis of subchondral cysts-a case series. *J Hip Preserv Surg.* 2017 Dec; 4 (4):324-331 Epub 2017 Sept 13 PMID: 29250341 PMCID: 5721372 DOI: 10.1093/jhps/hnx034

Patel KA, Hartigan DE, Makovicka JL, Dulle DL 3rd, Chhabra A. Diagnostic Evaluation of the Knee in the Office Setting Using Small-Bore Needle Arthroscopy. *Arthrosc Tech.* 2018 Jan; 7 (1):e17-e21 Epub 2017 Dec 11 PMID: 29379709 PMCID: 5786147 DOI: 10.1016/j.eats.2017.08.044

Hartigan DE, Perets I, Chaharbakhshi EO, Walsh JP, Yuen LC, Domb BG. Outcomes of Femoral Head Marrow Stimulation Techniques at Minimum 2-Year Follow-up. *Orthopedics.* 2018 Jan 1; 41 (1):e70-e76 Epub 2017 Dec 01 PMID: 29192936 DOI: 10.3928/01477447-20171127-03

Perets I, Hartigan DE, Chaharbakhshi EO, Ashberg L, Mu B, Domb BG. Clinical Outcomes and Return to Sport in Competitive Athletes Undergoing Arthroscopic Iliopsoas Fractional Lengthening Compared With a Matched Control Group Without Iliopsoas Fractional Lengthening. *Arthroscopy.* 2018 Feb; 34 (2):456-463 Epub 2017 Nov 03 PMID: 29108784 DOI: 10.1016/j.arthro.2017.08.292

Hevesi M, Krych AJ, Johnson NR, Redmond JM, Hartigan DE, Levy BA, Domb BG. Multicenter Analysis of Midterm Clinical Outcomes of Arthroscopic Labral Repair in the Hip: Minimum 5-Year Follow-up. *Am J Sports Med.* 2018 Feb; 46 (2):280-287 Epub 2017 Oct 24 PMID: 29065275 DOI: 10.1177/0363546517734180

Tummala SV, Hartigan DE, Patel KA, Makovicka JL, Chhabra A. Shoulder Injuries in National Collegiate Athletic Association Quarterbacks: 10-Year Epidemiology of Incidence, Risk Factors, and Trends. *Orthop J Sports Med.* 2018 Feb; 6 (2):2325967118756826 Epub 2018 Feb 22 PMID: 29511704 PMCID: 5826001 DOI: 10.1177/2325967118756826

Makovicka JL, Hartigan DE, Patel KA, Tummala SV, Chhabra A. Medial Patellofemoral Ligament Reconstruction Using All-Soft Suture Anchors for Patellar Fixation. *Arthrosc Tech.* 2018 Mar; 7 (3):e231-e237 Epub 2018 Feb 12 PMID: 29881694 PMCID: 5989692 DOI: 10.1016/j.eats.2017.08.075

Hartigan DE, Perets I, Ho SW, Walsh JP, Yuen LC, Domb BG. Endoscopic Repair of Partial-Thickness Undersurface Tears of the Abductor Tendon: Clinical Outcomes With Minimum 2-Year Follow-up. *Arthroscopy*. 2018 Apr; 34 (4):1193-1199 Epub 2018 Jan 02 PMID: 29305287 DOI: 10.1016/j.arthro.2017.10.022

* Perets I, Hartigan DE, Walsh JP, Chen AW, Mu BH, Domb BG. Excision of Labral Amorphous Calcification as a Part of Hip Arthroscopy-Clinical Outcomes in a Matched-Controlled Study. *Arthroscopy*. 2018 Apr; 34 (4):1227-1233 Epub 2018 Feb 01 PMID: 29395548 DOI: 10.1016/j.arthro.2017.10.025

Perets I, Chaharbakhshi EO, Hartigan DE, Ortiz-Declet V, Mu B, Domb BG. The Correlation Between Arthroscopically Defined Acetabular Cartilage Defects and a Proposed Preoperative Delayed Gadolinium-Enhanced Magnetic Resonance Imaging of Cartilage Index in Hips of Patients With Femoroacetabular Impingement Syndrome. *Arthroscopy*. 2018 Apr; 34 (4):1202-1212 PMID: 29373295 DOI: 10.1016/j.arthro.2017.10.023

Tummala SV, Hartigan DE, Makovicka JL, Patel KA, Chhabra A. 10-Year Epidemiology of Ankle Injuries in Men's and Women's Collegiate Basketball. *Ortho J Sports Med*. 2018; 6(11). DOI: <https://doi.org/10.1177/2325967118805400>

Hevesi M, Hartigan DE, Wu IT, Levy BA, Domb BG, Krych AJ. Are Results of Arthroscopic Labral Repair Durable in Dysplasia at Midterm Follow-up? A 2-Center Matched Cohort Analysis. *Am J Sports Med*. 2018 Jun; 46 (7):1674-1684 Epub 2018 May 03 PMID: 29723044 DOI: 10.1177/0363546518767399

Hartigan DE, Perets I, Close MR, Walsh JP, Chaharbakhshi EO, Mohr MR, Domb BG. Arthroscopic Treatment of Iliopsoas Snapping in Patients With Radiographic Acetabular Dysplasia Using Iliopsoas Fractional Lengthening and Capsular Plication. *Arthroscopy*. 2018 Jun; 34 (6):1841-1850 Epub 2018 Apr 10 PMID: 29653792 DOI: 10.1016/j.arthro.2018.01.027

* Putnam JG, Chhabra A, Castaneda P, Walker JB, Barber CC, Lendrum JA, Hartigan DE. Does Greater Trochanter Decortication Affect Suture Anchor Pullout Strength in Abductor Tendon Repairs? A Biomechanical Study. *Am J Sports Med*. 2018 Jun; 46 (7):1668-1673 Epub 2018 Mar 19 PMID: 29554437 DOI: 10.1177/0363546518759033

Hartigan DE, Perets I, Meghpara MB, Close MR, Yuen LC, Mohr MR, Domb BG. Labral debridement, repair and reconstruction: current concepts. *J ISAKOS: Joint Disorders & Orthopaedic Sports Med*. 2018 June; 3:155-60. Epub 2018 May 02. DOI: 10.1136/jisakos-2017-000160

Hartigan DE, Perets I, Walsh JP, Mohr MR, Chaharbakhshi EO, Yuen LC, Domb BG. Radiographic Risk Factors and Signs of Abductor Tears in the Hip. *Arthroscopy*. 2018 Aug; 34 (8):2389-2397 Epub 2018 July 07 PMID: 30078428 DOI: 10.1016/j.arthro.2018.03.039

Maldonado DR, Krych AJ, Levy BA, Hartigan DE, Laseter JR, Domb BG. Does Iliopsoas Lengthening Adversely Affect Clinical Outcomes After Hip Arthroscopy? A Multicenter Comparative Study. *Am J Sports Med*. 2018 Sep; 46 (11):2624-2631 Epub 2018 Aug 03 PMID: 30074842 DOI: 10.1177/0363546518785966

Hevesi M, Hartigan DE, Wu IT, Wyles CC, Desai VS, van Wijnen AJ, Saris DBF, Levy BA, Krych AJ. The Rapidly Assessed Predictor of Intraoperative Damage (RAPID) Score: An In-Clinic Predictive Model for High-Grade Acetabular Chondrolabral Disruption. *Orthop J Sports Med.* 2018 Oct; 6 (10):2325967118799068 Epub 2018 Oct 03 PMID: 30302348 PMCID: 6170967 DOI: 10.1177/2325967118799068

Book Chapters

Hartigan DE, Ortiguera CJ. Labral tears of the shoulder. In: Frontera WR; Silver JK; Rizzo TD Jr editor. *Essentials of physical medicine and rehabilitation: musculoskeletal disorders, pain, and rehabilitation.* Third Edition. Philadelphia: Elsevier/Saunders; 2015. p. 73-9.

Hartigan DE, Ortiguera CJ, Murray PM. Labral Pathology. In: Murray PM, Hammert WC, Editors. *Hand Surgery Update VI.* American Society for Surgery of the Hand; 2016.707-14p.

* Indicates that the primary author was a mentee of this author.

Research Presentations

Oral

Reconstruction of the Proximal Humerus for Bone Neoplasm Using an Anatomic Prosthesis Prosthesis-bone Graft Composite. 11th International Congress of Shoulder and Elbow Surgery, Edinburgh, Scotland

Clinical Outcomes of Hip Arthroscopy: A Prospective Survival Analysis of Primary and Revision Surgeries in a Large Mixed Cohort. Hip Preservation Breakout Session, Mid-America Orthopedic Conference, Bonita Springs, Florida

Outcomes of Gluteus Medius Repair. Hip Preservation Breakout Session, Mid-America Orthopedic Conference, Bonita Springs, Florida

Arthroscopic Treatment of Labral Tears and Instability in Professional Dancers: Patterns of Clinical Presentation and Intraarticular Derangements, Radiological Associations, and Minimum Two-Year Outcomes. Hip Arthroscopy II Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Endoscopic Trans-Tendinous Repair of Partial Thickness Gluteus Medius Repair of Partial Thickness Gluteus Medius Tears: Clinical Outcomes with Minimum Two-Year Follow-Up. Hip Arthroscopy II Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Patient Reported Outcomes for Iliopsoas Release and Capsular Plication in Patients with Acetabular Dysplasia. Hip Arthroscopy II Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Treatment of Labral Tears in Borderline Dysplastic Hips with Arthroscopic Capsular Plication and Labral Preservation: Two-Year Clinical Outcomes with a Matched-Pair Control Group. Hip Arthroscopy II Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Arthroscopic Treatment of Hip Instability in the Pediatric Population: Clinical Outcomes with Minimum Two-Year Follow-Up. Paediatric Hip and More Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Can Stem Version Consistently Correct Native Femoral Version Using Robotic Guidance in Total Hip Arthroplasty? Hip Implant Positioning Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Robotic Guided Total Hip Arthroplasty Results in Smaller Acetabular Cup Size in Relation to the Femoral Head Size. Hip Implant Positioning Breakout Session, 17th Annual EFORT Congress, Geneva, Switzerland

Results of Hip Arthroscopy in Patients with MRI Diagnosis of Sub-Chondral Cysts - A Case Series. European Hip Society, Munich, Germany

Clinical Outcomes of Hip Arthroscopy in Patients with Femoral Retroversion: A Matched Study with Patients with Normal Femoral Anteversion, European Hip Society, Munich, Germany

Clinical Outcomes of Hip Arthroscopy in Radiographically Diagnosed Retroverted Acetabula. European Hip Society, Munich, Germany

Endoscopic Repair of Partial Thickness Undersurface Tears of the Abductor Tendon (PUSTA): Clinical Outcomes with Minimum Two-Year Follow-Up. European Hip Society, Munich, Germany

Outcomes of Femoral Head Marrow Stimulation Techniques with Minimum Two-year Follow-up, 4 minute presentation with e-poster, European Hip Society, Munich, Germany

Arthroscopic Treatment of Labral Tears in Patients Aged 65 years and Older: A Multi-Center Study of Prospectively Collected Outcomes. ISHA Annual Scientific Meeting, San Francisco, California

Results of Hip Arthroscopy in Patients with MRI Diagnosis of Sub-Chondral Cysts - A Case Series. ISHA Annual Scientific Meeting, San Francisco, California

Clinical Outcomes of Hip Arthroscopy in Radiographically Diagnosed Retroverted Acetabula. Eastern Orthopaedic Association, New Orleans, Louisiana

Iliopsoas Release and Capsular Plication in Acetabular Dysplasia: Clinical Outcomes. Eastern Orthopaedic Association, New Orleans, Louisiana

When Do We Need to Address the Hill Sachs in Shoulder Instability. Shoulder Instability Case Presentations, Mayo Clinic Comprehensive Shoulder and Elbow Course: Current Concepts and Controversies, Scottsdale, Arizona

Hip Pain. Mayo Clinic Clinical Reviews 2017: 28th Annual Family Medicine and Internal Medicine Update, Phoenix, Arizona

Rotator Cuff Tear. Mayo Clinic Clinical Reviews 2017: 28th Annual Family Medicine and Internal Medicine Update, Phoenix, Arizona

Clinical Outcomes of Femoral Head Microfracture: A Group-Matched Controlled Study with Minimum Two-Year Follow-Up. Mid-American Orthopaedic Association 35th Annual Meeting, Amelia Island, Florida

Radiographic Risk Factors and Signs of Abductor Tears in the Hip. Mid-American Orthopaedic Association 35th Annual Meeting, Amelia Island, Florida

Endoscopic Repair of Partial Thickness Undersurface Tears of the Abductor Tendon (PUSTA): Clinical Outcomes with Minimum Two-Year Follow-Up. Arthroscopy Association of North America (AANA) Annual Meeting, Denver, Colorado

Hip Pain: Anatomy, Diagnosis, Exam, Imaging, Treatment. EXOS, Phoenix, Arizona

Hip Pathology in the Young and Old Patient. EXOS, Phoenix, Arizona

Anatomy and Physical Exam of the Ankle. Professional Hockey Athletic Trainers Society/Society of Professional Hockey Equipment Managers (PHATS/SPHEM), Phoenix, Arizona

Anatomy and Physical Exam of the Hip, Professional Hockey Athletic Trainers Society/Society of Professional Hockey Equipment Managers (PHATS/SPHEM), Phoenix, Arizona

Case Examples of Hip. Professional Hockey Athletic Trainers Society/Society of Professional Hockey Equipment Managers (PHATS/SPHEM), Phoenix, Arizona

Case Examples of Ankle Injuries in Hockey. Professional Hockey Athletic Trainers Society/Society of Professional Hockey Equipment Managers (PHATS/SPHEM), Phoenix, Arizona

Physical Exam Findings and Treatment of Common Ankle Injuries, Professional Hockey Athletic Training Society/Society of Professional Hockey Equipment Managers (PHATS/SPHEM) Annual Conference, Phoenix, Arizona

Radiographic Risk Factors and Signs of Abductor Tears in the Hip. American Orthopaedic Society for Sports Medicine (AOSSM) Annual Meeting, Toronto, Ontario, Canada

Biceps Death: Above, at, or Below the Groove. Mayo Clinic Comprehensive Shoulder and Elbow Course: Current Concepts and Controversies 2018, Scottsdale, Arizona

Hip Disease from Young to Old. Mayo Clinic Clinical Reviews 2018, Phoenix, Arizona

Abductor Tendon Tears of the Hip. 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

Co-Director, 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

Femoroacetabular Impingement: Symptoms, Exam, Imaging and Treatment. 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

First Time Patellar Dislocations. 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

Meniscus: When to Order an MRI and Treatment. 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

Snapping Hip. 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

Shoulder Instability in Adults. 1st Annual Mayo Clinic Sports Medicine Summit: Care for the Athlete, Phoenix, Arizona

A Career in Medicine. Rural High School Students, Corning, Iowa

Allograft Prosthesis Composite in Proximal Humerus Lesions. Annual Meeting of the Mid-America Orthopedic Association, Bonita Springs, Florida

Clinical Outcomes of Hip Arthroscopy: A Prospective Survival Analysis of Primary and Revision Surgeries. Annual Meeting of the Mid-America Orthopedic Association, Bonita Springs, Florida

Poster

Visibility of Anterolateral Ligament Tears in ACL Deficient Knees with Standard 1.5T MRI. Arthroscopy Association of North America, Boston, Massachusetts

Clinical Outcomes of Femoral Head Microfracture: A Group-Matched Controlled Study with Minimum Two-Year Follow-Up. ISHA Annual Scientific Meeting, San Francisco, California

Clinical Outcomes of Hip Arthroscopy in Patients with Femoral Retroversion: A Matched Study to Patients with Normal Femoral Anteversion. ISHA Annual Scientific Meeting, San Francisco, California

Clinical Outcomes of Hip Arthroscopy in Radiographically Diagnosed Retroverted Acetabula. ISHA Annual Scientific Meeting, San Francisco, California

Clinical Outcomes of Iliopsoas Release and Capsular Plication in Patients with Acetabular Dysplasia: Restoring the Static Stabilizers may Obviate the Need for a Pathologic Dynamic Stabilizer. ISHA Annual Scientific Meeting, San Francisco, California

Clinimetric Data on Patient Reported Outcomes for Hip Preservation Surgery: Review of the Literature. ISHA Annual Scientific Meeting, San Francisco, California

Endoscopic Repair of Partial Thickness Undersurface Tears of the Abductor Tendon (Pusta): Clinical Outcomes with Minimum Two-Year Follow-Up. ISHA Annual Scientific Meeting, San Francisco, California

Imaging of Abductor Tears: Stepwise Technique for Accurate Diagnosis. ISHA Annual Scientific Meeting, San Francisco, California

Endoscopic Repair of Partial Thickness Undersurface Tears of the Abductor Tendon (PUSTA): Clinical Outcomes with Minimum Two-Year Follow-Up. Mid-American Orthopaedic Association 35th Annual Meeting, Amelia Island, Florida

Evaluation of MPFL Reconstruction: A Novel Outcome Scoring System for Patellar Instability. Arthroscopy Association of North America Annual Meeting, Denver, Colorado

Clinical Outcomes of Hip Arthroscopy in Patients with Femoral Retroversion: A Matched Study to Patients with Normal Femoral Anteversion. Arthroscopy Association of North America (AANA) Annual Meeting, Denver, Colorado

Outcomes of Femoral Head Marrow Stimulation Techniques with Minimum Two Year Follow-Up. Arthroscopy Association of North America (AANA) Annual Meeting, Denver, Colorado

Does greater trochanter decortication affect suture anchor pullout strength in abductor tendon repairs?: A biomechanical study. ISHA 2017, Santiago, Chile

Hip arthroscopy following contralateral total hip arthroplasty: A Matched Pair study. ISHA 2017, Santiago, Chile

Results of Hip Arthroscopy in Patients with MRI Diagnosis of Sub-Chondral Cysts: A Case Series. American Academy of Orthopaedic Surgeons, New Orleans, Louisiana

Results of Hip Arthroscopy in Patients with MRI Diagnosis of Sub-Chondral Cysts: A Case Series. American Academy of Orthopaedic Surgeons, New Orleans, Louisiana

Concurrent Open and Arthroscopic Surgical Management for Hip Dysplasia Does Not Reduce the Rate of Reoperation. 2018 AAHKS Annual Meeting, Dallas, Texas