

Arthroscopy

The Journal of Arthroscopic
and Related Surgery

Official Publication of the Arthroscopy Association of North America

Table of Contents: Volume 35 • Number 7 • July 2019

EDITORIAL

- 1943** Our Measure of Medical Research Should Be Appreciable Benefit to the Patient
James H. Lubowitz, Jefferson C. Brand, and Michael J. Rossi

PRESIDENTIAL ADDRESS

- 1945** Of AANA and Excellence
Louis F. McIntyre

INFOGRAPHIC

- 1952** Elbow Arthroscopy Made Simple: Indications and Techniques
Jace Smith and Larry D. Field

ORIGINAL ARTICLES

- 1954** Cyclic and Load-to-Failure Properties of All-Suture Anchors in Human Cadaveric Shoulder Glenoid Bone
John A. Ruder, Ephraim Y. Dickinson, Richard D. Peindl, Nahir A. Habet, David P. Trofa, and James E. Fleischli
- 1960** *Editorial Commentary:* All-Suture Shoulder Glenoid Anchors: Can We Adequately Tension Them or Knot?
F. Alan Barber
- 1964** Nonoperative Management of Posterior Shoulder Instability: An Assessment of Survival and Predictors for Conversion to Surgery at 1 to 10 Years After Diagnosis
Jarret M. Woodmass, Julia Lee, Nick R. Johnson, Isabella T. Wu, Christopher L. Camp, Diane L. Dahm, and Aaron J. Krych

On the Cover: Arthroscopic image through the lateral viewing portal of the left medial femoral condyle showing the osteochondral defect (OCD). View the accompanying video and see the related article at www.arthroscopytechniques.org. Courtesy of Ryan Rowland, M.D., Michael Colello, M.D., and Douglas J. Wyland, M.D.

- 1971** *Editorial Commentary: Nonoperative Treatments Seem Unreliable in Posterior Shoulder Instability, But Let's Take a Closer Look*
Tae Kang Lim
- 1973** Clinical Outcomes and Tendon Integrity in Patients With Chronic Retracted Subscapularis Tear After Arthroscopic Single-Row Oblique Mattress Suture Repair Technique
Yoon-Geol Jo, In Park, Jun-Seok Kang, and Sang-Jin Shin
- 1982** *Editorial Commentary: Is an Arthroscopic Single-Row Repair Effective for the Treatment of Chronically Retracted, Full-thickness Subscapularis Tears?*
Cameron Kia, Lukas N. Muench, and Augustus D. Mazzocca
- 1984** Surgical Treatment of Septic Shoulders: A Comparison Between Arthrotomy and Arthroscopy
Patawut Bovonratwet, Michael C. Fu, Neil Pathak, Nathaniel T. Ondeck, Daniel D. Bohl, Shane J. Nho, and Jonathan N. Grauer
- 1992** Clinical Outcomes After Biceps Tenodesis or Tenotomy Using Subpectoral Pain to Guide Management in Patients With Rotator Cuff Tears
Corey Dwyer, Cameron Kia, John M. Apostolakos, Jessica DiVenere, Felix Dyrna, Mark Cote, Robert A. Arciero, and Augustus D. Mazzocca
- 2001** *Editorial Commentary: Biceps Tendon Tenderness... Is It Enough to Guide Surgical Management?*
Clayton W. Nuelle
- 2003** Arthroscopic Rotator Cuff Repair With a Knotless Suture Bridge Technique: Functional and Radiological Outcomes After a Minimum Follow-Up of 5 Years
Ruben Dukan, Pauline Ledinet, Julia Donadio, and Patrick Boyer
- 2012** *Editorial Commentary: Who Needs Knots Anyway?*
Scott A. Hrnack
- 2014** Factors Influencing Surgeon's Choice of Procedure for Anterior Shoulder Instability: A Multicenter Prospective Cohort Study
Julie Y. Bishop, Krystin A. Hidden, Grant L. Jones, Carolyn M. Hettrich, and Brian R. Wolf, the MOON Shoulder Group
- 2026** *Editorial Commentary: Can Orthopaedic Surgeons Agree on Choice of Procedure for Anterior Shoulder Instability Based on Risk Factors? Personal and Training Biases Confound Our Surgical Decision Making*
Berte Bøe, Matthew T. Provencher, and B. Gilbert Moatshe
- 2029** The Effect of Humeral and Ulnar Bone Tunnel Placement on Achieving Ulnar Collateral Ligament Graft Isometry: A Cadaveric Study
Ajay C. Lall, David P. Beason, Jeffrey R. Dugas, and E. Lyle Cain Jr.
- 2035** *Editorial Commentary: Perfect Tunnel Position in Tommy John Surgery Is Critical for Success*
Christopher S. Ahmad

- 2037** Do Larger Acetabular Chondral Defects Portend Inferior Outcomes in Patients Undergoing Arthroscopic Acetabular Microfracture? A Matched-Controlled Study
Edwin O. Chaharbakhshi, David E. Hartigan, John D. Spencer, Itay Perets, Ajay C. Lall, and Benjamin G. Domb
- 2048** *Editorial Commentary:* Haven't We Seen This Somewhere Before? Laying the Foundation for Cartilage Restoration in Hip Preservation
Justin J. Mitchell
- 2051** Predicting Severe Cartilage Damage in the Hip: A Model Using Patient-Specific Data From 2,396 Hip Arthroscopies
Hajime Utsunomiya, Karen K. Briggs, Grant J. Dornan, Ioanna K. Bolia, Renato Locks, and Marc J. Philippon
- 2061** *Editorial Commentary:* Predictive Nomograms for Hip Chondral Lesions: A Poor Man's Magnetic Resonance Imaging?
Ryan M. Degen
- 2064** Minimal Clinically Important Difference and Substantial Clinical Benefit Values for a Pain Visual Analog Scale After Hip Arthroscopy
RobRoy L. Martin, Benjamin R. Kivlan, John J. Christoforetti, Andrew B. Wolff, Shane J. Nho, John P. Salvo Jr., Thomas J. Ellis, Geoff Van Thiel, Dean Matsuda, and Dominic S. Carreira
- 2070** *Editorial Commentary:* The Gain in Pain After Hip Arthroscopic Surgery: What Is Clinically Relevant, and Is Pain Related to Function in Patients With Femoroacetabular Impingement Syndrome?
Signe Kierkegaard
- 2072** Increases in Joint Laxity After Anterior Cruciate Ligament Reconstruction Are Associated With Sagittal Biomechanical Asymmetry
Tomohiro Shimizu, Zoe Cheng, Michael A. Samaan, Matthew S. Tanaka, Richard B. Souza, Xiaojuan Li, and C. Benjamin Ma
- 2080** *Editorial Commentary:* Rehabilitation and Return-to-Sports Readiness, the "Black Box" of Anterior Cruciate Ligament Reconstruction Patient Recovery
John Nyland and Daiki Taniyama
- 2083** Opioid Prescription Refills After Osteochondral Procedures of the Knee
David E. DeMik, Edward O. Rojas, Chris A. Anthony, Nicholas A. Bedard, Spencer Blake Dowdle, Matthew Bollier, Brian R. Wolf, and Robert W. Westermann
- 2089** Operative Time as an Independent and Modifiable Risk Factor for Short-Term Complications After Knee Arthroscopy
Anirudh K. Gowd, Joseph N. Liu, Daniel D. Bohl, Avinesh Agarwalla, Brandon C. Cabarcas, Brandon J. Manderle, Grant H. Garcia, Brian Forsythe, and Nikhil N. Verma
- 2099** *Editorial Commentary:* Knee Arthroscopy: How Fast Is Too Fast? How Slow Is Too Slow?
Robert G. Marx

- 2101** The Role of Fibers Within the Tibial Attachment of the Anterior Cruciate Ligament in Restraining Tibial Displacement
Breck R. Lord, Hadi El-Daou, Urszula Zdanowicz, Robert Śmigielski, and Andrew A. Amis
- 2112** *Editorial Commentary:* Tibial Attachment of the Anterior Cruciate Ligament: Just 1 Piece to the Complex Puzzle of Individualized, Anatomic Anterior Cruciate Ligament Reconstruction
Sean J. Meredith and Volker Musahl
- 2114** Suture Augmented Versus Standard Anterior Cruciate Ligament Reconstruction: A Matched Comparative Analysis
Blake M. Bodendorfer, Evan M. Michaelson, Henry T. Shu, Nicholas A. Apseloff, James D. Spratt, Esther C. Nolton, and Evan H. Argintar
- 2123** *Editorial Commentary:* Anterior Cruciate Ligament Graft Reinforcement: A New Era Supported by Science
Patrick A. Smith
- 2127** Intra-articular Injection of Tranexamic Acid Reduced Postoperative Hemarthrosis in Arthroscopic Anterior Cruciate Ligament Reconstruction: A Prospective Randomized Study
En-Rung Chiang, Kun-Hui Chen, Shih-Tien Wang, Hsiao-Li Ma, Ming-Chau Chang, Chien-Lin Liu, and Tain-Hsiung Chen
- 2133** *Editorial Commentary:* Tranexamic Acid: Okay, It Reduces the Bleeding, but Are We Sure Topical Use Is Not Harmful to the Cartilage?
Fatih Karaaslan
- 2136** Magnetic Resonance Imaging Evaluation of the Anterolateral Ligament in Acute Anterior Cruciate Ligament Injuries in an Adolescent Population
Camilo Partezani Helito, Paulo Victor Partezani Helito, Luiz Felipe Boulitreau Assirati, Carlos Henrique Longo, Marcelo Bordalo-Rodrigues, and Felipe Ferreira de Souza
- 2143** *Editorial Commentary:* Anterolateral Ligament—Anatomy, Evaluation, and Future Applications to Knee Stability
Kevin G. Shea, Volker Musahl, and Tyler J. Stavinoha
- 2146** Fifteen-Year Minimum Follow-Up of Anteromedial Tibial Tubercle Transfer for Lateral and/or Distal Patellofemoral Arthrosis
Stephen A. Klinge and John P. Fulkerson
- 2152** Elongation Patterns of the Anterior and Posterior Borders of the Anterolateral Ligament of the Knee
Ji Hyun Ahn, In Jun Koh, Michelle H. McGarry, Nilay A. Patel, Charles C. Lin, and Thay Q. Lee
- 2160** *Editorial Commentary:* Extension of Knowledge—and the Knee! New Biomechanical Study Suggests the Clinical Practice of Anterolateral Ligament Fixation Near Extension
Camilo Partezani Helito

Podium
Presentation

SYSTEMATIC REVIEWS

- 2164** Safety of Anteromedial Portals in Elbow Arthroscopy: A Systematic Review of Cadaveric Studies
Tucker Cushing, Zachary Finley, Michael J. O'Brien, Felix H. Savoie III, Leann Myers, and Gleb Medvedev
- 2173** *Editorial Commentary: Safety in Anteromedial Elbow Portal Placement? Go North!*
Robert U. Hartzler
- 2175** Indications and Outcomes of Arthroscopic Labral Reconstruction of the Hip: A Systematic Review
Nikunj N. Trivedi, Lakshmanan Sivasundaram, Charles A. Su, Derrick Knapik, Shane J. Nho, Richard C. Mather III, and Michael J. Salata
- 2187** *Editorial Commentary: Errors of Omission Versus Errors of Commission: The Case of Hip Labral Reconstruction*
Aman Dhawan
- 2189** Biomechanical Properties of Posterior Meniscal Root Repairs: A Systematic Review
Eric X. Jiang, Joshua S. Everhart, Moneer Abouljoud, James C. Kirven, Robert A. Magnussen, Christopher C. Kaeding, and David C. Flanigan
- 2207** *Editorial Commentary: Save the Meniscal Root, Why Not?*
Jin Goo Kim
- 2211** Autologous Interleukin 1 Receptor Antagonist Blood-Derived Products for Knee Osteoarthritis: A Systematic Review
Prabjit Ajrawat, Tim Dwyer, and Jaskarndip Chahal
- 2222** Return to Sport Following Revision Anterior Cruciate Ligament Reconstruction in Athletes: A Systematic Review
Georgina Glogovac, Adam P. Schumaier, and Brian M. Grawe
- 2231** *Editorial Commentary: Return to Play Following Revision Anterior Cruciate Ligament Reconstruction*
Rick W. Wright
- 2233** Anterior Cruciate Ligament Repair Outcomes: An Updated Systematic Review of Recent Literature
Benedict U. Nwachukwu, Bhavik H. Patel, Yining Lu, Answorth A. Allen, and Riley J. Williams III
- 2248** *Editorial Commentary: Back to the Past—Anterior Cruciate Ligament Repair Revisited*
Wolf Petersen and Andrea Achtnich

2251 Announcements