

JOURNAL OF SHOULDER AND ELBOW SURGERY

Copyright © 2019 by *Journal of Shoulder and Elbow Surgery* Board of Trustees

CONTENTS

VOLUME 28 • NUMBER 10 • OCTOBER

The Journal is included in the *Index Medicus* and in MEDLINE

BASIC SCIENCE

The effect of the subacromial balloon spacer on humeral head translation in the treatment of massive, irreparable rotator cuff tears: a biomechanical assessment

Supriya Singh, MD, Jacob Reeves, MEd, G. Daniel G. Langohr, PhD, James A. Johnson, PhD, PEng, and George S. Athwal, MD, FRCSC, London, ON, Canada 1841

Microbial colonization of subscapularis tagging sutures in shoulder arthroplasty: a prospective, controlled study

Ryan Roach, MD, Stephen Yu, MD, Hien Pham, MD, Vinh Pham, MD, Mandeep Virk, MD, and Joseph D. Zuckerman, MD, New York, NY, USA 1848

Modified frailty index predicts medical complications, length of stay, readmission, and mortality following total shoulder arthroplasty

Sophia A. Traven, MD, Kathy M. McGurk, MD, Russell A. Reeves, MD, Zeke J. Walton, MD, Shane K. Woolf, MD, and Harris S. Slone, MD, Charleston, SC, USA 1854

Does strength deficit correlate with shoulder function in patients with rotator cuff tears? Characteristics of massive tears

Joo Han Oh, MD, PhD, Jong Pil Yoon, MD, Dong Hyun Kim, MD, Seok Won Chung, MD, PhD, Joon Yub Kim, MD, Hyun-Joo Lee, MD, Seo Il, MD, Kyeong Hyeon Park, MD, and Hoseok Lee, MD, Seoul, Daegu, and Goyang-Si, Republic of Korea 1861

Correlation of multiple patient-reported outcome measures across follow-up in patients undergoing primary shoulder arthroplasty

Rowan J. Michael, MD, Brendan A. Williams, MD, Martin D. Laguerre, MPH, Aimee M. Struk, MBA, Bradley S. Schoch, MD, Thomas W. Wright, MD, Kevin W. Farmer, MD, Terrie Vasilopoulos, PhD, and Joseph J. King, MD, Gainesville, FL, USA 1869

Three-dimensional clavicle displacement analysis and its effect on scapular position in acute clavicle midshaft fracture

Jung-Han Kim, MD, Heui-Chul Gwak, MD, Chang-Wan Kim, MD, Chang-Rack Lee, MD, Young-Jun Kim, MD, and Hyeong-Won Seo, MD, Busan, Republic of Korea 1877

Continued on Page 4A

Publication information. *Journal of Shoulder and Elbow Surgery* (ISSN: 1058-2746) is published monthly by Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710. Business and Editorial Offices: 1600 John F. Kennedy Blvd., Suite 1800, Philadelphia, PA 19103-2899. Elsevier Customer Service Office: 3251 Riverport Lane, Maryland Heights, MO 63043. Periodicals postage paid at New York, NY and additional mailing offices.

USA POSTMASTER: Send address changes to Elsevier, Journal Returns, 1799 Highway 50 East, Linn, MO 65051.

CONTENTS

CONTINUED

Bone adaptation impact of stemless shoulder implants: a computational analysis Manuel Comenda, MEng, Carlos Quental, PhD, João Folgado, PhD, Marco Sarmiento, MD, and Jacinto Monteiro, PhD, MD, Lisbon, Portugal	1886
Rotator cuff tendon tissue cut-through comparison between 2 high-tensile strength sutures Brett D. Owens, MD, Joseph Algeri, BS, ME, Vivian Liang, MS, ME, and Steven DeFroda, MD, ME, Providence, RI, and Raynham, MA, USA	1897
Glenohumeral translation during active external rotation with the shoulder abducted in cases with glenohumeral instability: a 4-dimensional computed tomography analysis Noboru Matsumura, MD, Satoshi Oki, MD, Naoto Fukasawa, BS, Morio Matsumoto, MD, Masaya Nakamura, MD, Takeo Nagura, MD, Yoshitake Yamada, MD, and Masahiro Jinzaki, MD, Tokyo, Japan	1903
SHOULDER	
Fluid retention after shoulder arthroscopy: gravity flow vs. automated pump—a prospective randomized study Bilgehan Çatal, MD, and İbrahim Azboy, MD, Istanbul, Turkey	1911
Prospective randomized controlled trial for patch augmentation in rotator cuff repair: 24-month outcomes Paolo Avanzi, MD, Luca dei Giudici, MD, Antonio Capone, MD, PhD, Gaia Cardoni, MD, Gianluigi Lunardi, PharmD, Giovanni Foti, MD, and Claudio Zorzi, MD, Negrar, Verona, Ancona, and Ospedale Marino, Cagliari, Italy	1918
Opioid use following shoulder stabilization surgery: risk factors for prolonged use Zain M. Khazi, BS, Yining Lu, BA, Alan G. Shamrock, MD, Kyle R. Duchman, MD, Robert W. Westermann, MD, and Brian R. Wolf, MS, MD, Iowa City, IA, and Chicago, IL, USA	1928
Preoperative IDEAL (Iterative Decomposition of Echoes of Asymmetrical Length) magnetic resonance imaging rotator cuff muscle fat fractions are associated with rotator cuff repair outcomes Drew A. Lansdown, MD, Cyrus Morrison, Musa B. Zaid, MD, Rina Patel, MD, Alan L. Zhang, MD, Christina R. Allen, MD, Brian T. Feeley, MD, and C. Benjamin Ma, MD, San Francisco, CA, USA	1936
Subscapularis management in stemless total shoulder arthroplasty: tenotomy versus peel versus lesser tuberosity osteotomy William R. Aibinder, MD, Ryan T. Bicknell, MD, MSc, FRCSC, Stefan Bartsch, MD, Markus Scheibel, MD, and George S. Athwal, MD, FRCSC, London, ON, and Kingston, ON, Canada; Rinteln, and Berlin, Germany; and Zürich, Switzerland	1942
Outcomes of anatomic total shoulder arthroplasty in patients with excessive glenoid retroversion: a case-control study Paul DeVito, DO, Kofi D. Agyeman, MD, Hyrum Judd, DO, Molly Moor, PhD, MPH, Derek Berglund, MD, Andy Malarkey, DO, and Jonathan C. Levy, MD, Fort Lauderdale, FL, Miami, FL, and Danville, PA, USA	1948

Continued on Page 6A

CONTENTS

CONTINUED

Glenoid component lucencies are associated with poorer patient-reported outcomes following anatomic shoulder arthroplasty Bradley S. Schoch, MD, Thomas W. Wright, MD, Joseph D. Zuckerman, MD, Charlotte Bolch, MS, Pierre-Henri Flurin, MD, Chris Roche, MBA, and Joseph J. King, MD, Gainesville, FL, and New York, NY, USA; and Bordeaux, France	1956
The radiographic morphology of the greater tuberosity is associated with muscle degeneration in patients with symptomatic rotator cuff tears Hao-Chun Chuang, MD, Chih-Kai Hong, MD, Kai-Lan Hsu, MD, Fa-Chuan Kuan, MD, Cheng-Li Lin, MD, PhD, and Wei-Ren Su, MD, MSc, Tainan, Taiwan	1964
Arthroscopy of the symptomatic shoulder arthroplasty Ciaran Doherty, MRCS, MBBS, Nicholas D. Furness, FRCS, MBBS, Timothy Batten, MRCS, MBBS, William J. White, FRCS, BSc, MBBS, Jeffrey Kitson, FRCS, MBBS, and Christopher D. Smith, MD, MSc, FRCS, Exeter, UK	1971
The primary cost drivers of arthroscopic rotator cuff repair surgery: a cost-minimization analysis of 40,618 cases Lambert Li, Steven L. Bokshan, MD, Lauren V. Ready, MPH, and Brett D. Owens, MD, Providence, RI, USA	1977
Development of the glenohumeral joint after subscapular release and open relocation in children with brachial plexus birth palsy: long-term results in 61 patients Kristen Jönsson, MD, Michael Werner, MD, Fredrik Roos, MD, and Tomas Hultgren, MD, PhD, Stockholm, Sweden	1983
Arthroscopic glenoid labral lesion repair using all-suture anchor for traumatic anterior shoulder instability: short-term results Orkun Gül, PhD, Ahmet Emin Okutan, MD, and Muhammet Salih Ayas, MD, Trabzon, and Erzurum, Turkey	1991
ELBOW	
Surgical outcomes for post-traumatic stiffness after elbow fracture: comparison between open and arthroscopic procedures for intra- and extra-articular elbow fractures Jae-Man Kwak, MD, Yucheng Sun, MD, Erica Kholinne, MD, Kyoung-Hwan Koh, MD, PhD, and In-Ho Jeon, MD, PhD, Seoul, Republic of Korea; Nantong, China; and Jakarta, Indonesia	1998
Treatment of posteromedial and posterolateral dislocation of the acute unstable elbow joint: a strategic approach Jung Hyun Lee, MD, Ji-Ho Lee, MD, Kyung Chul Kim, MD, Kee Baek Ahn, MD, and In Hyeok Rhyou, MD, Gyeongsangbuk-do, Republic of Korea	2007
Surgical approaches for total elbow arthroplasties using data from the Dutch Arthroplasty Register Ante Prkić, MSc, Koen L.M. Koenraadt, PhD, Jetske Viveen, MSc, Liza van Steenberg, PhD, Bertram The, PhD, and Denise Eygendaal, PhD, Breda, 's Hertogenbosch, and Amsterdam, The Netherlands	2017

Continued on Page 8A

CONTENTS

CONTINUED

REVIEW ARTICLES

- Mid-term results of reverse shoulder arthroplasty for glenohumeral osteoarthritis with posterior glenoid deficiency and humeral subluxation**
Philippe Collin, MD, Anthony Hervé, MD, Gilles Walch, MD, Pascal Boileau, MD, PhD, Moganadass Muniandy, MD, and Mickael Chelli, MD, St Grégoire, Rennes, Lyon, and Nice, France; and Kuala Lumpur, Malaysia 2023
- Surgical management of chronic high-grade acromioclavicular joint dislocations: a systematic review**
Paul Borbas, MD, James Churchill, MBBS, FRACS, and Eugene T. Ek, MBBS, PhD, FRACS, Melbourne, VIC, Australia 2031

ONLINE ARTICLES

- A 3-arm randomized clinical trial comparing interscalene blockade techniques with local infiltration analgesia for total shoulder arthroplasty**
Jason K. Panchamia, DO, Adam W. Amundson, MD, Adam K. Jacob, MD, Hans P. Sviggum, MD, Ngoc Tram V. Nguyen, BA, Joaquin Sanchez-Sotelo, MD, PhD, John W. Sperling, MD, Darrell R. Schroeder, MS, Sandra L. Kopp, MD, and Rebecca L. Johnson, MD, Rochester, MN, USA e325
- The value of shoulder replacement and rotator cuff surgery: the patients' perspective**
Grant Jamgochian, BS, Joseph Abboud, MD, Ryan Churchill, MD, Grant Garrigues, MD, Stephen Brockmeier, MD, Tyler Bauer, BS, and Sameer Nagda, MD, Philadelphia, PA, Chicago, IL, Charlottesville, VA, and Arlington, VA, USA e339
- Seven-year course of asymptomatic acromioclavicular osteoarthritis diagnosed by MRI**
Arno Frigg, MD, David Song, MSc, Janick Willi, MD, Andreas U. Freiburghaus, MD, and Holger Grehn, MD, Chur, Basel, and Zürich, Switzerland; and Triesen, Liechtenstein e344
- High median nerve injury after arthroscopic elbow contracture release with complete recovery at 6 months**
Marc J. O'Donnell, MD, and Michael R. Hausman, MD, New York, NY, USA e352
- Erratum to "A Biomechanical Cadaveric Study of Patella Tendon Allograft as an Alternative Graft Material for Superior Capsule Reconstruction" [J Shoulder Elbow Surg 2018;28:1241-1248] e357**

READER SERVICES

- Information for Readers** 12A
Information for Authors 17A