FEATURE ARTICLE

Evaluation of Biofilms on Explanted Shoulder Prostheses Using Functional Biofilm Assay and Scanning Electron Microscopy

Wesley Frevert, MD; Thomas W. Wright, MD; Kevin W. Farmer, MD; Qingping Yang, MS; Aimee M. Struk, MEd, ATC; Greg Schultz, PhD

PRIMARY ARTICLES

Beyond Mirels: Factors Influencing Surgical Outcome of Metastasis to the Extremities in the Modern Era

Elizabeth Scott, MD; Mitchell R. Klement, MD; Brian E. Brigman, MD, PhD; William C. Eward, MD, DVM

Player Performance After Returning From a Concussion in the National Football League: A Pilot Study

Scott L. Zuckeman, MD, MPH; Andrew W. Kuhn, BA; Weston Gentry, BS; Andrew Ghaly, BA; Romil D. Patel, BS; Aaron M. Yengo-Kahn, MD; Zachary Y. Kerr, PhD, MPH; Gary S. Solomon, PhD

Are Cardiac Complications Associated With Other Adverse Events? A Look at 56,000 Orthopaedic Trauma Patients

Mahesh Yarlagadda, MSPH; Michelle Shen, BA; Abenezer Abraham, MHS; Idine Mousavi; Manish K. Sethi, MD

Management of Femoral Defects Greater Than 5 cm Following Open Femur Fractures: A 12-Year Retrospective Review

Basem Attum, MD; Diana G. Douleh, BS; Paul S. Whiting, MD; Ashley C. Dodd, BS; Michelle S. Shen, BA; Nikita Lakomkin, BSc; William T. Obremskey, MD, MPH, MMHC; Manish K. Sethi, MD

Multilevel Lumbar Fusion Is a Risk Factor for Lower Return to Work Rates Among Workers’ Compensation Subjects With Degenerative Disc Disease

Joshua T. Anderson, MD; Erik Y. Tye, BA; Arnold R. Haas, BS, BA; Rick Percy, PhD; Stephen T. Woods, MD; Uri M. Ahn, MD; Nicholas U. Ahn, MD
Influence of Level 1 Evidence on Management of Clavicle and Distal Humerus Fractures: A Nationwide Comparative Study of Records From 2005 to 2014

Jennifer Kurowicki, MD; Jacob J. Triplet, DO; Samuel Rosas, MD; Tsun yee Law, MD; Timothy Niedzielak, DO; Enesi Momoh, MD; Jonathan C. Levy, MD

Early-Stage Chronic Kidney Disease and Hip Fracture Mortality

Nicholas B. Frisch, MD, MBA; Nolan Wessell, MD; Toufic R. Jildeh, MD; Alexander Greenstein, MD; S. Trent Guthrie, MD

Opioid Prescriptions After Total Joint Arthroplasty

Udai S. Sibia, MD, MBA; Abigail E. Mandelblatt; G. Caleb Alexander, MD, MS; Paul J. King, MD; James H. MacDonald, MD

Remodeling of the Calcaneocuboid Joint in the Acquired Flatfoot

Arthur Manoli II, MD

TECHNICAL TIPS AND PEARLS

The “Well-Cap” Technique: Screw Insertion for Pelvic Nutrient Foramen Hemostasis

Brendan R. Southam, MD; Frank R. Avilucea, MD; Amanda J. Schroeder, MD; Ryan P. Finnan, MD; Michael T. Archdeacon, MD, MSE

ANNOUNCEMENTS

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CONTINUING MEDICAL EDUCATION ANSWER FORM