



contents

COMMENTARY

- Evolution of Health Literacy Research in Orthopaedics and Other Medical Specialties** 191
Kristie Hadden, PhD

FEATURE ARTICLES

- Evaluating Nonoperative Treatments for Adhesive Capsulitis** 193
Ryan C. Xiao, BS; Joseph P. DeAngelis, MD, MBA; Christopher C. Smith, MD; Arun J. Ramappa, MD
- Outcomes of Below-the-Knee Amputations for Chronic Lower Extremity Pain** 200
Shannon Alejandro, MD; Robert D. Teasdall, MD; Martha Holden, AA, AAS; Beth Paterson Smith, PhD; Gregory B. Russell, PhD; Aaron Scott, MD
- Predictability of Lower Extremity Peripheral Nervous Anatomy** 206
Austin Fares, BS; Nicholas Kusnezov, MD; John C. Dunn, MD; Heather Balsiger, MS; James Showery, BS; Mark Hsiao, MD; Justin Orr, MD

PRIMARY ARTICLES

- Return of Quadriceps Strength After Primary Total Knee Arthroplasty With Single-Radius Knee System: Five-Year Follow-up** 211
Alexander Fokin, MD, PhD; David Heekin, MD, FACS
- Blood Transfusion After Primary Total Hip Arthroplasty: National Trends and Perioperative Outcomes** 216
Cory W. Helder, BS; Brian E. Schwartz, MD; Michael Redondo, BS; Hristo I. Piponov, MD; Mark H. Gonzalez, MD, PhD
- Smartphone-Based Goniometry Accuracy in Clinical Scenarios** 223
Bradford S. Waddell, MD; Neil L. Duplantier, MD; Qingyang Luo, BS, MS; Mark S. Meyer, MD; Scott F. M. Duncan, MD

Predictors of Carpal Tunnel Release After Open Distal Radius Fracture	227
Jaehon M. Kim, MD; Mitchel B. Harris, MD; David Zurakowski, PhD; Wanjun Liu, MD; Jesse B. Jupiter, MD; Joung Heon Kim, BS; Mark S. Vrahas, MD	
Intramedullary Bone Graft Harvest Using Reamer-Irrigator-Aspirator System: A Case Series	233
Brian Waterman, MD; Shaunette Davey, DO; Enes Kanlic, MD; Amr Abdelgawad, MD	
Risk of Obtaining Routine Cultures During Presumed Aseptic Orthopaedic Procedures	239
MAJ Matthew A. Napierala, MD; MAJ Jaime L. Bellamy, DO; COL Clinton K. Murray, MD; CPT Richard K. Hurley, Jr., MD; Joseph C. Wenke, PhD; Joseph R. Hsu, MD	
Radiation Exposure to the Orthopaedic Surgeon and Efficacy of a Novel Radiation Attenuation Product	246
Emily M. Mayekar, MD; Aysel Bayrak, BS; Smiresh Shah, MD; Alfonso Mejia, MD, MPH	
Patient Satisfaction After Bilateral Thumb Carpometacarpal Osteoarthritis Surgery	250
Arnold B. Alqueza, MD; Sigrid Fostvedt, MD; W. Emerson Floyd, MS2; Jesse B. Jupiter, MD	
Implementation of a Service-Specific Template Integrating Objective Structured Clinical Examination and Accreditation Council for Graduate Medical Education Milestones: One Institution's Experience	257
David J. Ruta, MD; Mark S. Morris, MD; Matthew T. Pigott, MD; J. Sybil Biermann, MD; Todd A. Irwin, MD; James R. Holmes, MD	
Return to Duty Following a Tibial Tubercle Osteotomy	262
CPT Tony Locrotando, DO; CPT K. Aaron Shaw, DO; CPT Jeremy M. Jacobs, MD; LTC(Ret) John A. Bojescul, MD	
RADIOLOGY CORNER	
Plantar Fibromatosis and Other Fibroblastic and Fibrohistiocytic Soft Tissue Tumors of the Foot	266
Hale Ersoy, MD; Stephen J. Pomeranz, MD	
ANNOUNCEMENTS	271
CONTINUING MEDICAL EDUCATION QUESTIONNAIRE	272
CONTINUING MEDICAL EDUCATION ANSWER FORM	274