



# Journal of Surgical Orthopaedic Advances

VOLUME 33, NUMBER 2

SUMMER 2024

## Contents

### FEATURE ARTICLES

- Primary Total Knee and Total Hip Arthroplasty in the Rural Patient** ..... 61  
David A. Forgas, MD; Sowmyanarayanan Thuppal, MD, PhD; Steven L. Scaife, MS;  
Anthony Sleiman, BA; and Youssef El Bitar, MD
- Victor McKusick: Father of Medical Genetics and His Impact on Orthopaedics** ..... 68  
Majd Marrache, MD; Paul D. Sponseller, MD

### PRIMARY ARTICLES

- Posttraumatic Arthritis Is More Common in Patients Undergoing Total Knee Arthroplasty Before Age 50** ..... 72  
LCDR Aaron A. Olsen, DO, MC, USN; LT Jonathan K. Kallevang, DO, MC, USN;  
CDR George C. Balazs, MD, MC, USN; LCDR Ashton H. Goldman, MD, MC, USN
- Recent Trends in Concomitant Distal Clavicle Excision During Rotator Cuff Repair** ..... 77  
Matthew J. Partan, DO; John M. Tarazi, MD; Peter B. White, DO, MS; Cesar Iturriaga, DO;  
Randy M. Cohn, MD
- Superficial Branch of the Radial Nerve Versus Sural Nerve Grafting After Traumatic Adult Brachial Plexus Injury** ..... 80  
Andres A. Maldonado, MD, PhD; Eric R. Wagner, MD; Morad Askari, MD; Robert J. Spinner, MD;  
Allen T. Bishop, MD; Alexander Y. Shin, MD
- Assessment of Prophylactic Antibiotic Coverage in Culture-positive Traumatic Open Fractures** .... 84  
Rachel LaBianca Toler, PharmD; Susan E. Hamblin, PharmD; Lauren E. Mangan, PharmD;  
J. Myles Keck, PharmD; Austin Ing, PharmD; Matthew Felbinger, PharmD;  
Cory Collinge, MD; Bradley M. Dennis, MD

<b>Isolated Lateral Plating for Bicondylar Tibial Plateau Fractures: Factors Influencing Decision Making</b> .....	88
Mandip Singh, MD; Mikel Headford, DO; Krishna Vangipuram Suresh, MD; Thomas Revak, DO	
<b>Angina Pectoris Is Associated with Cervical Disc Disease: A Cross-Sectional, Population-Based Study Using the Medicare Expenditure Panel Survey (MEPS)</b> .....	93
Peter Ahorukomeye, BS; Jerry Du, MD; Amit K. Bhandutia, MD; Charles C. Yu, MD; Douglas S. Weinberg, MD; Nicholas U. Ahn, MD	
<b>Reuse of Surgical Masks During the COVID-19 Shortage: Association with the Incidence of Surgical Site Infections</b> .....	97
Zsombor T. Gal, BS; Ashley Y. Albano, BA; David C. Landy, MD, PhD; Arun Aneja, MD, PhD; Arjun Srinath, MD, MPH	
<b>Smoking Is Independently Associated with Increased Pain Severity and Interference in Patients with Traumatic Spinal Cord Injury</b> .....	103
Collin W. Blackburn, MD, MBA; Tyler J. Moon, MD; and Nicholas U. Ahn, MD	
<b>Efficacy and Accuracy of Diagnosing Septic Arthritis: How Effective are Current Methods for Timely Diagnosis of Septic Arthritis?</b> .....	108
John G. Weeks, BS; Thomas J. Revak, DO	
<b>Robotic Arm-assisted Total Hip Arthroplasty Reduces Postoperative Trochanteric Bursitis and Changes in Hip Offset</b> .....	112
Connor A. King, MD; Ye Joon Kim, MS; Alexander T. Bradley, MD; Kenneth S. Chakour, MD; John M. Martell, MD; Hue H. Luu, MD	
<b>Preoperative Opioid Use Disorder Is Associated with Longer Length of Stay, Infection Rate, and Healthcare Expenditure Following Primary Shoulder Arthroplasty</b> .....	117
Kevin Moattari, BS; Nicolás Valentino, BS; Adam M. Gordon, MD; Bhavya Sheth, MD; Charles Conway, MD; Afshin E. Razi, MD; and Jack Choueka, MD	
<b>Effect of CURES Legislation on Narcotic Prescriptions After Soft-tissue Hand Surgery</b> .....	122
Conor Spady, MD; Damien Cannon, MD; Montri Daniel Wongworawat, MD; David E. Ruckle, MD; Rusheel Nayak, MD; and Brittany McPhee, BSc	
<b>ANNOUNCEMENTS</b> .....	125
<b>CONTINUING MEDICAL EDUCATION QUESTIONNAIRE</b> .....	126
<b>CONTINUING MEDICAL EDUCATION ANSWER FORM</b> .....	129