



# Journal of Surgical Orthopaedic Advances

VOLUME 19, NUMBER 4

WINTER 2010

## contents

### FEATURE ARTICLE

#### Medium-Term Results of Total Knee Arthroplasty Using a Medially Pivoting Implant:

- A Multicenter Study ..... 191  
Michael J. Anderson, MD; Robert L. Kruse, MD; Chris Leslie, DO; Louis J. Levy, Jr., MD,  
James W. Pritchett, MD; Jonette Hodge, MSN, RN

### PRIMARY ARTICLES

#### Open Versus Percutaneous Tendo-Achilles Lengthening in Spastic Cerebral Palsy With Equines

- Deformity of the Foot in Children ..... 196  
Dhia A. K. Jaddue, MB, ChB, FRCS; Muzahim A. Abbas, MB, ChB, FIMCS;  
Arkan S. Sayed-Noor, MD, PhD, FEBOT

#### Analysis of Sex and Race and the Size and Shape of the Distal Femur Using Virtual Surgery and Archived Computed Tomography Images

- ..... 200  
C. Lowry Barnes, MD; Hiroyoshi Iwaki, MD, PhD; Yukihide Minoda, MD, PhD; John M. Green II, BS;  
Richard M. Obert, MS

#### Surgical Outcome of Scaphoid Nonunions in Heavy Manual Workers

- ..... 209  
Michail Beltsios, MD; Olga D. Savvidou, MD; John Kovanis, MD; Panayiotis Alexandropoulos, MD;  
Evanthia A. Mitsiokapa, MD; Andreas F. Mavrogenis, MD; Panayiotis J. Papagelopoulos, MD, DSc

#### A Magnetic Emergency Release System for Halo Traction

- ..... 214  
Sam Augsburger, MSME; Hank White, PhD; Henry Iwinski, MD; Chester M. Tylkowski, MD

#### The Treatment of Ulnar Impaction Syndrome: A Systematic Review of the Literature

- ..... 218  
David I. Katz, MD; John G. Seiler III, MD; T. Christopher Bond, PhD

#### Eight-Year Follow-up on the Effect of a Hip Fracture Service on Patient Care and Outcome

- ..... 223  
Savyasachi C. Thakkar, BS; Frederick E. Sieber, MD; Khwaja J. Zakriya, MBBS;  
Simon C. Mears, MD, PhD

## CASE REPORTS

<b>Wire-Guided Resection of a Muscular Axillary Arch Causing Neurovascular Compression . . . . .</b>	<b>229</b>
Jacob L. Sellon, MD; Naveen S. Murthy, MD; Grant D. Schmit, MD; Robert J. Spinner, MD	
<b>Traumatic Subchondral Fracture of the Femoral Head: A Case Report . . . . .</b>	<b>234</b>
Jocelyn Wittstein, MD; Emily Vinson, MD; Robert Zura, MD	
<b>ANNOUNCEMENTS . . . . .</b>	<b>236</b>
<b>AUTHOR INDEX TO VOLUME 19 . . . . .</b>	<b>237</b>
<b>SUBJECT INDEX TO VOLUME 19 . . . . .</b>	<b>238</b>
<b>CONTINUING MEDICAL EDUCATION QUESTIONNAIRE . . . . .</b>	<b>245</b>
<b>CONTINUING MEDICAL EDUCATION ANSWER FORM . . . . .</b>	<b>248</b>