

INJURY

International Journal of the Care of the Injured

Official Journal of the British Trauma Society, the Australasian Trauma Society and the Saudi Orthopaedic Association in Trauma and affiliated with the Italian Society of Orthopaedics and Traumatology, the Gerhard Küntscher Society, the Spanish Society of Orthopaedic Surgery and Traumatology (SECOT), the Turkish Orthopaedic Trauma Society, AOTrauma, Group d'Etude en Traumatologie Ostéoarticulaire, the Croatian Trauma Society, the Brazilian Association of Orthopedic Trauma, the Club Italiano Osteosintesi and the European Society of Tissue Regeneration in Orthopaedics and Trauma.

Volume 46 Issue 11, November 2015

Contents

Editorial

- 2089 What is new in acetabular fracture fixation?
T.H. Tosounidis and P.V. Giannoudis

Review Article

- 2093 Prehospital ultrasound of the abdomen and thorax changes trauma patient management: A systematic review
D. O'Dochartaigh and M. Douma

General Trauma Topics

- 2103 Accuracy of targeted wire guided tube thoracostomy in comparison to classical surgical chest tube placement - A clinical study
A. Protic, I. Barkovic, A. Ivancic, O. Kricka, M. Zuvic-Butorac and A. Sustic
- 2108 Establishing a definitive airway in the trauma patient by novice intubators: A randomised crossover simulation study
I. Shavit, B. Levit, N.B. Basat, D. Lait, M. Somri and L. Gaitini
- 2113 Predictors of mortality among initially stable adult pelvic trauma patients in the US: Data analysis from the National Trauma Data Bank
H. Wang, J.L. Phillips, R.D. Robinson, T.M. Duane, S. Buca, M.B. Campbell-Furtick, A. Jennings, T. Miller, N.R. Zenarosa and K.A. Delaney
- 2118 Course of recovery for whiplash associated disorders in a compensation setting
P.P. Casey, A.M. Feyer and I.D. Cameron

Basic Science and Biomechanics

- 2130 Biomechanical properties of a posterior fully threaded positioning screw for cannulated screw fixation of displaced neck of femur fractures
T.K. Schaefer, C. Spross, K.K. Stoffel and P.J. Yates
- 2134 Effect exerted by Teriparatide upon Repair Function of β -tricalcium phosphate to ovariectomised rat's femoral metaphysis defect caused by osteoporosis
Z.-S. Tao, W.-S. Zhou, K.-k. Tu, Z.-L. Huang, Q. Zhou, T. Sun, Y.-X. Lv, W. Cui and L. Yang
- 2142 Peri-implant failure in dual plating of the distal humerus—A biomechanical analysis with regard to screw and plate positioning
M. Hackl, K. Wegmann, S. Taibah, K.J. Burkhart, M. Scaal and L.P. Müller
- 2146 Neuroprotective effects of *Ganoderma lucidum* polysaccharides against traumatic spinal cord injury in rats
E.C. Gokce, R. Kahveci, O.M. Atanur, B. Güreer, N. Aksoy, A. Gokce, M.F. Sargon, B. Cemil, B. Erdogan and O. Kahveci
- 2156 Repair and regeneration of lumbosacral nerve defects in rats with chitosan conduits containing bone marrow mesenchymal stem cells
L. Zhu, T. Liu, J. Cai, J. Ma and A.-M. Chen



0020-1303(201511)46:11;1-A

2164 The effects of combined human parathyroid hormone (1-34) and simvastatin treatment on osseous integration of hydroxyapatite-coated titanium implants in the femur of ovariectomized rats
Z.-S. Tao, W.-S. Zhou, K.-k. Tu, Z.-L. Huang, Q. Zhou, T. Sun, Y.-X. Lv, W. Cui and L. Yang

2170 The safety and feasibility of minimally invasive plate osteosynthesis (MIPO) on the medial side of the femur: A cadaveric injection study
C. Jiamton and T. Apivatthakakul

Paediatric Trauma

2177 The role of CT in diagnosis and treatment of distal tibial fractures with intra-articular involvement in children
A. Nenopoulos, T. Beslikas, I. Gigis, F. Sayegh, I. Christoforidis and I. Hatzokos

2181 Influence of obesity on surgical outcomes in type III paediatric supracondylar humeral fractures
C.-H. Chang, H.-K. Kao, W.-C. Lee and W.-E. Yang

Hip Fractures

2185 Clinical indications of computed tomography (CT) of the head in patients with low-energy geriatric hip fractures
H. Maniar, K. McPhillips, D. Torres, J. Wild, M. Suk and D.S. Horwitz

2190 Precise placement of lag screws in operative treatment of trochanteric femoral fractures with a new guide system
O.S. Poyanli, S. Soylemez, A.T. Ozkut, E. Uygur, B. Kemah and O.K. Unal

2196 Torsional malalignment, how much significant in the trochanteric fractures?
T.Y. Kim, Y.B. Lee, J.D. Chang, S.S. Lee, J.H. Yoo, K.J. Chung and J.H. Hwang

2201 Serum lactate as a marker of mortality in patients with hip fracture: A prospective study
M. Venkatesan, R.P. Smith, S. Balasubramanian, A. Khan, C.E. Uzoigwe, T.J. Coats and S. Godsiff

2206 Complications and patient-reported outcome after hip fracture. A consecutive annual cohort study of 664 patients
S. Hansson, O. Rolfson, K. Åkesson, S. Nemes, O. Leonardsson and C. Rogmark

2212 Validating Touch Surgery™: A cognitive task simulation and rehearsal app for intramedullary femoral nailing
K. Sugand, M. Mawkin and C. Gupte

Upper Extremity

2217 Sesamoid bone transfer for metacarpophalangeal hyperextension instability of the thumb: A CT-osteosorptiometry study
C. Deml, M. Lutz, M. Gabl, T. Kastenberger, G. Schmidle, S. Neururer and R. Arora

2223 Plate fixation versus conservative treatment of displaced midshaft clavicle fractures: Functional outcome and patients' satisfaction during a mean follow-up of 5 years
J.C. van der Ven Denise, T.K. Timmers, P.E. Flikweert, A.L.A. Van Ijseldijk and G.D.J. van Olden

2230 Clinical comparison of two different plating methods in minimally invasive plate osteosynthesis for clavicular midshaft fractures: A randomized controlled trial
H.-S. Sohn, M.S. Shon, K.-H. Lee and S.-J. Song

2239 Double-barrelled resuscitation: A feasibility and simulation study of dual-intraosseous needles into a single humerus
M.J. Douma, G.S. Bara, D. O'Dochartaigh and P.G. Brindley

Lower Extremity

2243 How much articular displacement can be detected using fluoroscopy for tibial plateau fractures?
J.M. Haller, R. O'Toole, M. Graves, D. Barei, M. Gardner, E. Kubiak, J. Nascone, S. Nork, A.P. Presson and T.F. Higgins

2248 Shock wave therapy of fracture nonunion
H.M.I. Alkhashki

2253 Prognostic factors of health-related quality of life in patients after tibial plafond fracture. A pilot study
M.B. Cutillas-Ybarra, A. Lizaur-Utrilla and F.A. Lopez-Prats

2258 Nail-medullary canal ratio affects mechanical axis deviation during femoral lengthening with an intramedullary distractor
N. Hawi, M. Kenaway, M. Panzica, T. Stuebig, M. Omar, C. Krettek and E. Liodakis

- 2263 **Single-stage orthoplastic reconstruction of Gustilo-Anderson Grade III open tibial fractures greatly reduces infection rates**
J.A. Mathews, J. Ward, T.W. Chapman, U.M. Khan and M.B. Kelly
- 2267 **Effects of recombinant human Bone Morphogenetic Protein-2 (rhBMP-2) in grade III open tibia fractures treated with unreamed nails-A clinical and health-economic analysis**
V. Alt, B. Borgman, A. Eicher, C. Heiss, N.K. Kanakaris, P.V. Giannoudis and F. Song
- 2273 **Ipsilateral fibula transport for the treatment of massive tibial bone defects**
P. Yin, L. Zhang, T. Li, Y. Xie, J. Li, Z. Li, J. Liu, L. Zhang, Q. Zhang and P. Tang

Foot and Ankle Trauma

- 2278 **The effect of ankle brace type on braking response time-A randomised study**
D. Dammerer, C. Waidmann, C. Haid, M. Thaler, M. Krismer and M.C. Liebensteiner
- 2283 **High complication rate after syndesmotic screw removal**
M.R. Andersen, F. Frihagen, J.E. Madsen and W. Figved

Case Report

- 2288 **Reimplanting large section of free infected tibia which revascularised in spatium intermusculare to repair bone defect: A case report**
M. Zhou, X. Zhang, Y. Li, F. Wang, J. Zhu and L. Zhou

