

Official Journal of the British Trauma Society, the Australasian Trauma Society and the Saudi Orthopaedic Association in Trauma and affiliated with the Societa' Italiana Di Ortopedia e Traumatologia, The Gerhard Kuntscher Society, the Spanish Society of Orthopaedic Surgery and Traumatology (SECOT), the Turkish Orthopaedic Trauma Society, AOTrauma, the Group d'Etude en Traumatologie Ostéoarticulaire, the Croatian Trauma Society, the Brazilian Association of Orthopedic Trauma, the Trauma Society of India, the Club Italiano Dell'Osteosintesi (CIO) and the European Society of Tissue Regeneration in Orthopaedics and Trauma (ESTROT).

Volume 47 Issue 2, February 2016

Contents

- 285 Acknowledgement to reviewers 2015

Editorial

- 291 Treatment of bone defects: Bone transport or the induced membrane technique?
P.V. Giannoudis

BTS 2015 Winning Abstracts

- 293 Abstracts from the 2015 Meeting of the British Trauma Society, 4th-5th November 2015

Review Articles

- 296 Management and closure of the open abdomen after damage control laparotomy for trauma. A systematic review and meta-analysis
A.E. Sharrock, T. Barker, H.M. Yuen, R. Rickard and N. Tai

- 307 Endovascular treatment of traumatic internal carotid artery pseudoaneurysm
K. Spanos, C. Karathanos, K. Stamoulis and A.D. Giannoukas

- 313 Stabilisation of distal radius fractures: Lessons learned and future directions
T.A. Horst and J.B. Jupiter

Basic Science

- 320 Silver ion doped ceramic nano-powder coated nails prevent infection in open fractures: In vivo study
N. Kose, R. Çaylak, C. Pekşen, A. Kiremitçi, D. Burukoglu, S. Koparal and A. Doğan

- 325 Alteration of Masquelet's induced membrane characteristics by different kinds of antibiotic enriched bone cement in a critical size defect model in the rat's femur
C. Nau, C. Seebach, A. Trumm, A. Schaible, K. Kontradowitz, S. Meier, H. Buechner, I. Marzi and D. Henrich

- 335 Microcirculatory alterations during haemorrhagic shock and after resuscitation in a paediatric animal model
R. González, J. Urbano, J. López, M.J. Solana, M. Botrán, A. García, S.N. Fernández and J. López-Herce

- 342 Quantification of TGF- β 1, PDGF and IGF-1 cytokine expression after fracture treatment vs. non-union therapy via masquelet
C. Fischer, J. Doll, M. Tanner, T. Bruckner, G. Zimmermann, L. Helbig, B. Biglari, G. Schmidmaier and A. Moghaddam

Upper Extremity

- 350 Risk factors for humeral head necrosis and non-union after plating in proximal humeral fractures
S. Boesmueller, M. Wech, M. Gregori, F. Domaszewski, A. Bukaty, C. Fialka and C. Albrecht

- 356 The treatment of atrophic, recalcitrant long-bone nonunion in the upper extremity with human recombinant bone morphogenetic protein-7 (rhBMP-7) and plate fixation: A retrospective review
Z. Morison, M. Vicente, E.H. Schemitsch and M.D. McKee



0020-1383(201602)47:2;1-4

364	Use of giant-sized flow-through venous flap for simultaneous reconstruction of dual or multiple major arteries in salvage therapy for complex upper limb traumatic injury D.-W. Zheng, Z.-C. Li, R.-J. Shi, F. Sun, L. Xu and K.-S. Shou	413	The effect of aortic stenosis on elderly hip fracture outcomes: A case control study A. Keswani, A. Lovy, M. Khalid, I. Blaufarb, C. Moucha, D. Forsh and D. Chen
372	Volar plate versus k-wire fixation of distal radius fractures S.A. Brennan, C. Kiernan, S. Beecher, R.T. O'Reilly, B.M. Devitt, S.R. Kearns and M.E. O'Sullivan	419	Expandable proximal femoral nail versus gamma proximal femoral nail for the treatment of AO/OTA 31A1-3 fractures D. Michael, W. Yaniv, F.R. Tal, G. Kessler Evan, A. Eyal, S. Nimrod, R. Ehud, E. Gilad and S.L. Ely
377	Pressing fixation of mallet finger fractures with the end of a K-wire (a new fixation technique for mallet fractures) W. Zhang, X. Zhang, G. Zhao, S. Gao and Z. Yu	424	Dynamic locking plate vs. simple cannulated screws for nondisplaced intracapsular hip fracture: A comparative study Y. Warschawski, Z.T. Sharfman, O. Berger, E.L. Steinberg, E. Amar and N. Snir
Pelvic Ring Injuries		428	The economic impact of surgically treated peri-prosthetic hip fractures on a university teaching hospital in Wales 7.5-year study A.R. Jones, T. Williams, V. Paringe and S.P. White
383	Pre-hospital pelvic girdle injury: Improving diagnostic accuracy in a physician-led trauma service E. Yong, A. Vasireddy, A. Pavitt, G.E Davies and D.J Lockey	432	What is the optimal salvage procedure for cut-out after surgical fixation of trochanteric fractures with the PFNA or TFN? A multicentre study A. Brunner, M. Büttler, U. Lehmann, H.C. Frei, R. Kratter, M. Di Lazzaro, A. Scola, A. Sermon and R. Attal
389	Estimating pre-traumatic quality of life in patients with surgically treated acetabular fractures and pelvic ring injuries: Does timing matter? B. Hernefalk, N. Eriksson, T. Borg and S. Larsson	439	National audits of hip fractures: Are yearly audits required? K.B. Ferguson, M. Halai, A. Winter, T. Elswood, R. Smith, J.D. Hutchison and G. Holt
395	Retroperitoneal packing or angiembolization for haemorrhage control of pelvic fractures—Quasi-randomized clinical trial of 56 haemodynamically unstable patients with Injury Severity Score ≥ 33 Q. Li, J. Dong, Y. Yang, G. Wang, Y. Wang, P. Liu, Y. Robinson and D. Zhou	444	Factors that affect fractured neck of femur outcome: Clinical commissioning groups influence length of stay and discharge destination M.N. Sharrock, R.M. Davies, P. Smith and M.E. Lovell
402	Accuracy of computer-assisted iliosacral screw placement using a hybrid operating room P.H. Richter, F. Gebhard, C. Dehner and A. Scola	Lower Extremity Fractures	
408	Hip Fractures Impact of length of red blood cells transfusion on postoperative delirium in elderly patients undergoing hip fracture surgery: A cohort study Z.-Y. Zhang, D.-P. Gao, J.-j. Yang, X.-r. Sun, H. Zhang, J. Hu, Z.-Y. Fang, J.-J. Yang and M.-H. Ji	448	Training effect of using Touch Surgery™ for intramedullary femoral nailing K. Sugand, M. Mawkin and C. Gupte
		453	Influence of cerclages on primary stability of tumor megaprostheses subjected to distal femur defects A. Jahnke, E. Jakubowitz, B.A. Ishaque, M. Rickert and O. Bischel

460	Retrograde femoral nailing of periprosthetic fractures around total knee replacements M.D. Jones, C. Carpenter, S.R. Mitchell, M. Whitehouse and S. Mehendale	502	The anterolateral supra-fibular-head approach for plating posterolateral tibial plateau fractures: A novel surgical technique S.-J. Hu, S.-M. Chang, Y.-Q. Zhang, Z. Ma, S.-C. Du and K. Zhang
465	Obesity is associated with increased postoperative complications after operative management of tibial shaft fractures M.T. Burrus, B.C. Werner and S.R. Yarboro		
471	Full circle: 3D femoral mapping demonstrates age-related changes that influence femoral implant positioning D. Tucker, T. Surup, A. Petersik and M. Kelly		
478	High reliability in classification of tibia fractures in the Swedish Fracture Register D. Wennergren, C. Ekholm, M. Sundfeldt, J. Karlsson, M. Bhandari and M. Möller		
483	A threshold regression model to predict return to work after traumatic limb injury W.-H. Hou, H.-Y. Chuang and M.-L. T. Lee		
490	A novel tool for continuous fracture aftercare - Clinical feasibility and first results of a new telemetric gait analysis insole B.J. Braun, E. Bushuven, R. Hell, N.T. Veith, J. Buschbaum, J.H. Holstein and T. Pohlemann		
Correspondence			
508	Patient comfort: A continuum starting from prehospital setting throughout the hospital admission C. Slagt, G.J. van Geffen, J. Bruhn and G.J. Scheffer		
508	Drink-driving: India slow on enforcement D. Kizhakke Veetil, D.M. Ismail, N. Roy and M.U. Khajanchi		
509	Regarding the predictors of mortality for complex fractures of the pelvic ring in the elderly V. Živković, M. Ille and S. Nikolić		
510	Direct versus transferred severely injured: Different context, similar findings D.K. Veetil, J. Kamble, D. Basak and N. Roy		
510	A more practical way to place a correct Poller (blocking) screw A. Özmeriç		

Technical Notes

495	Suprapatellar nailing of tibial fractures- Indications and technique J. Franke, B. Hohendorff, V. Alt, U. Thormann and R. Schnettler
-----	---