

INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM

2016 International Committee

Peter V. Giannoudis, MD, Chair
Ney Amaral, MD; Fernando de la Huerta, MD;
Theodore Toan Le, MD; Amir M. Matityahu, MD;
Cyril Mauffrey, MD; Hans-Christoph Pape, MD;
Presidential Consult - Thomas A. (Toney) Russell, MD

Attendees of this activity can earn up to
8.5 AMA PRA Category 1 Credits™

Target Audience

The The Orthopaedic Trauma Association (OTA) International Orthopaedic Trauma Care Forum is for the benefit of orthopaedic trauma surgeons and related allied health care professionals with an interest in international trauma healthcare.

Learning Objectives

Attendees of the International Orthopaedic Trauma Care Forum will:

- ◆ Distinguish different methods of treating fracture and trauma complications from around the world
- ◆ Describe unique approaches to manage neglected neck of femur fractures in India
- ◆ Explain increased knowledge and understating of international clinical research
- ◆ Discuss different techniques of managing bone defects
- ◆ Recognize and avoid complications when treating proximal femoral fractures
- ◆ Describe ways to manage complex fractures around the knee joint.

Agenda

Wednesday, October 5, 2016

7:30 am - 7:35 am **Welcome**
Peter V. Giannoudis, MD, Chair

7:35 am - **Symposium 1**
8:05 am **Surgical Techniques**
Pilon Injuries:
Current Insights

Moderator: **Christian Krettek, MD**
James P. Stannard, MD

7:35 am **Introduction**

7:37 am **Ligamentotaxis: How I Do It**
Sudhir K. Kapoor, MD

7:47 am **Posterior Approach:**
When and How?
R. Malcolm Smith, MD

7:57 am Discussion

8:05 am - **Free Paper Session 1**
8:35 am **Pelvis & Acetabulum**
Moderators: **Amir M. Matityahu, MD**
Sushrut S. Babhulkar, MD

8:05 am **Paper 1**
Reconstruction of Pelvic Fractures:
Prevalence, Characteristics and Risk Factors
Predisposing to Deep Infection
Peter V. Giannoudis, MD; Theodoros Tosounidis, MD;
Robert West, MSc; Nikolaos Kanakaris, MD
Leeds, United Kingdom

8:13 am **Paper 2**
3D-Navigation Reduces Radiation Exposure
and Operative Time in Lumbopelvic Fixations
Martin Hoffmann, MD; Thomas Schildhauer, MD
Bochum, Germany

8:21 am **Paper 3**
Characterising the Impact of Becoming a
Major Trauma Centre on Pelvic & Acetabular
Workload Over a 5 Year Timeframe –
Centralised Trauma Care at What Cost?
Holly Weaver, MB BChir MA (Cantab);
Peter Hull, FRCS; Julian Owen, FRCS;
Andrew Carrothers, FRCS
Cambridge, United Kingdom

8:29 am Discussion

8:35 am - **Free Paper Session 2**
9:05 am **Experimental Research**
Moderators: **Paulo Roberto Lourenco, MD**
Hans-Christoph Pape, MD

8:35 am **Paper 4**
The Computational Analysis of Safe Zone
of Antegrade Lag Screw for Posterior
Column Fixation through Anterior Approach
in Acetabular Fractures: Cadaveric Study
Gu-Hee Jung, MD; Young-Soo Byun, MD;
Yongkoo Lee, PhD; Ji-Wan Kim, MD, PhD
Jinju City, South Korea

8:43 am **Paper 5**
The Impact of Intramedullary Nailing and a
Femur Fracture on Neutrophil Activation
in Rats
Michel Teuben, MD; Martijn Hofman, MD;
Roman Pfeifer, MD; Johannes Greven, MSc;
Frank Hildebrand, MD; Hans-Christoph Pape, MD;
Aachen, Germany

8:51 am **Paper 6**
Transient Existence of Trauma-induced
Multipotential Stromal Cells in the
Circulatory System
Sarah Churchman, PhD; Peter V. Giannoudis, MD;
Paul Emery, MD; Elena Jones, PhD;
Dennis McGonagle, PhD
Leeds, United Kingdom

8:59 am Discussion

9:05 am Refreshment Break

INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM, continued

Wednesday, October 5, 2016, cont'd

9:20 am - **Symposium 2**
9:50 am **Proximal Femoral Fractures:
All I Need to Know**

Moderator: **David J. Hak, MD**
Sunil Kulkarni, MD

9:20 am **Introduction**

9:22 am **Petrochanteric Fractures: Dos and Don'ts**
Amir M. Matityahu, MD

9:32 am **Failed Subtrochanteric Fracture:
How Do I Decide What to Do?**
Gerald E. Wozasek, MD

9:42 am **Discussion**

9:50 am - **Free Paper Session 3**
10:20 am **Trauma Reconstruction**

Moderators: **Fernando de la Huerta, MD**
Enrique Guerado, MD

9:50 am **Paper 7**
**Minimally Invasive Plate Osteosynthesis for
Hypertrophic Nonunion: An Alternative
Method of Exchange Nailing**
*Joon-Woo Kim, MD; Chang-Wug Oh, MD;
Ki-Chul Park, MD; Kyeong-Hyeon Park, MD
Daegu, South Korea*

9:58 am **Paper 8**
**The Treatment of Infra-Isthmal Femoral Shaft
Nonunions Using Simple Exchange Nailing
with Poller Screws or Additional Interlocking
Screws**
*Yong-Cheol Yoon, MD; Jong-Keon Oh, MD;
Chang-Wug Oh, MD; Jae-Ang Sim, MD;
Kyu Tae Hwang, MD
Incheon, South Korea*

10:06 am **Paper 9**
**Transcutaneous Endo-Prosthetic
Reconstruction of Devastating Lower Limb
Military and Terrorist Blast Injuries**
*Kevin Tetsworth, MD; Munjed Al Muderis, FRACS;
Vaida Glatt, PhD
Brisbane, Queensland, Australia*

10:14 am **Discussion**

10:20 am - **Keynote Lecture**
10:40 am **Dr. Sushrut Babhulkar**
**Delayed Presentation of Neck
of Femur Fractures: Algorithm of
Management and Outcomes**

Moderators: **Steven A. Olson, MD**
Peter V. Giannoudis, MD

10:40 am - **Symposium 3**
11:25 am **Guest Nation (India)**

Moderators: **Steven A. Olson, MD**
Theodore Miclau, III, MD

10:40 am **Posterior Shearing Tibial
Plateau Injuries**
Amit Ajgaonkar, MD

10:50 am **Hoffa Fractures**
Ney Amaral, MD

11:00 am **Floating Knee Injuries**
Sunil Kulkarni, MD

11:10 am **Distal Femoral Fractures
Associated with Knee
Dislocations**
Craig S. Roberts, MD

11:20 am **Discussion**
All Faculty

11:25 am - **Free Paper Session 4**
11:55 am **Best of the Best**

Moderators: **Paul Tornetta III, MD**
Sudhir Kapoor, MD
Thomas A. (Toney) Russell, MD

11:25 am **Paper 10**
**Analysis of Partial Weight
Bearing after Surgical Treatment
in Patients with Injuries of the
Lower Extremity**
*Alexander Eickhoff, MD; Carina Fiedler, MPH;
Florian Gebhard, MD
Ulm, Germany*

11:33 am **Paper 11**
**Posteromedial Approach Combined with
Fibular Osteotomy for the Treatment of
Posterior Column Tibial Plateau Fractures**
*Yan Zhuang, MD; Pengfei Wang, MD;
Kun Zhang, MD
Xi'an City, China*

11:41 am **Paper 12**
**A Comparative Study of Intermittent
Indigenous Negative Pressure Wound
Therapy and Conventional Gauze Dressing of
Contaminated Soft Tissue Injuries in Cases
of High Energy Trauma**
*Devwart Kaushik, MBBS MS(ORTHO);
Rakesh Kumar, MBBS MS (ORTHO)
New Delhi, India*

11:49 am **Discussion**

11:55 am - **SIGN Update**
12:05 pm **Anthony Maina, MD - Kjabe Kenya**
**Bone Transport Over Nail (BTON) for
Posttraumatic Bone Infections with
Segmental Deficiencies**

INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM, continued

Wednesday, October 5, 2016, cont'd

12:05 pm -
12:15 pm

**Special Interest
Lecture**

Professor Horacio Caviglia
**Haemophilia and Fracture
Fixation: Lessons Learned**

12:15 pm - 1:15 pm

**Industry Symposium
Luncheon**
(No CME credits offered)



12:15 pm - 12:45 pm **Can a proximal femoral nail be less: simple, minimal invasive, intuitive and fast? The story of EBA2**

Speaker: Peter V. Giannoudis, MD
Academic Department of Trauma & Orthopaedic Surgery
University of Leeds, Leeds, UK



12:45 pm - 1:15 pm **Evidence based treatment in fragility hip fractures.**

Speaker: TBD

1:20 pm - **Free Paper Session 5**
1:50 pm **Polytrauma**

Moderators: *Daniel S. Horwitz, MD*
Theodore Toan Le, MD

1:20 pm **Paper 13**

Prognostic Accuracy of Acid Base Changes in Polytraumatized Patients – Comparison Between EAC and Established Scoring Systems

Hagen Andruszkow, MD; Frank Hildebrand, MD; Roman Pfeifer, MD; Hans-Christoph Pape, MD

1:28 pm **Paper 14**

Management of Polytrauma Patients: Is There a “Weekend Effect”?

Vasileios Giannoudis, MRes; Michalis Panteli, MD; Ian Barlow, BSc; Peter V. Giannoudis, MD

1:36 pm **Paper 15**

Body Composition and Its Effect on the Badly Injured

David Bryson, MBChB, MRCS; Katie Rollins, MBBS; Dileep Lobo, MBBS; Ben Ollivere, FRCS
Nottingham, United Kingdom

1:44 pm Discussion

1:50 pm - **Free Paper Session 6**

2:30 pm **Femoral Fractures**

Moderators: *Ronald W. Lindsey, MD*
Florian T. Gebhard, MD

1:50 pm **Paper 16**

Starting Point for Trochanteric Intramedullary Femoral Nailing with the SIGN Nail and Impact on Patient Outcomes: A Prospective Observational Study

Hao-Hua Wu, BA; Mohamed Mustafa, MD; Edmund Eliezer, MD; Billy Haonga, MD; Saam Morshed, MD; David Shearer, MD
Dar es Salaam, Tanzania

1:58 pm **Paper 17**

Outcome of Interprosthetic Femoral Fractures with Retained Total Hip- and Knee Arthroplasty Treated with Polyaxial Locking Plates

Martin Hoffmann, MD; Sebastian Lotzien, MD; Thomas Schildhauer, MD
Bochum, Germany

2:06 pm **Paper 18**

Treatment of Infraisthmal Femoral Fracture with Intramedullary Nail: Is Retrograde Nailing Better Option than Antegrade Nailing?

Joon-Woo Kim, MD; Chang-Wug Oh, MD; Jong-Keon Oh, MD; Kyeong-Hyeon Park, MD
Daegu, South Korea

2:14 pm **Paper 19**

Outcomes in Young Hip Fracture Patients

Tim Coughlin, BM; Gillian Janes, RGN; Jessica Nightingale, BSc; Christopher Moran, MD; Daren Forward, MD; Ben Ollivere, FRCS
Nottingham, United Kingdom

2:22 pm Discussion

2:35 pm - **Joint Session with Basic Science**
3:45 pm **Focus Forum: Treatment of Bone Defects: Current Insights**

Moderators: *Joseph Borrelli Jr, MD*
Peter V. Giannoudis, MD

2:35 pm **Introduction**

Joseph Borrelli Jr, MD

2:40 pm **Is There a Role for Allograft?**

Professor Gerhard Schmidmaier

2:50 pm **Induced Membrane Technique: What Have We learned?**

Peter V. Giannoudis, MD

3:00 pm **Titanium Cages: How Can We Enhance their Success?**

Professor Ronald W. Lindsey

3:10 pm **Intramedullary Lengthening Devices: Do They Always Work?**

Professor Christian Krettek

3:20 pm **Bone Transport and Treatment of the Docking Site: My Preferred Method**

Dr. David Lowenberg

3:30 pm Questions

INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM, continued

Wednesday, October 5, 2016, cont'd

3:45 pm Refreshment Break

3:55 pm - **Free Paper Session 7**

4:25 pm **Open Fractures**

Moderators: **João Matheus Guimarães, MD**
Richard E. Buckley, MD

3:55 pm **Paper 20**
External Fixator as a Primary and Definitive Treatment for Open Fractures in Disasters and Conflicts Time

Abduljabbar Alhammoud, MD; Mason Al Nouri; Mahmood Ali Arbash; Bakry Mazz, MD
Doha, Qatar

4:03 pm **Paper 21**
The Adjunctive Use of Calcium Sulfate Antibiotic Beads in the Prevention and Treatment of Osteomyelitis in Open Fractures of the Lower Limb

Joshua Ong, MB; Dimitrios Giotikas, MD; Andrew Carrothers, FRCS; Gooding Christopher, BSc; Alan Norrish, BSc; Matija Krkovic, MD
Cambridge, United Kingdom

4:11 pm **Paper 22**
Staged Minimally Invasive Plate Osteosynthesis of Proximal Tibial Fracture with Acute Compartment Syndrome

Joon-Woo Kim, MD; Chang-Wug Oh, MD; Jong-Keon Oh, MD; Kyeong-Hyeon Park, MD
Daegu, South Korea

4:25 pm - **Symposium 4**
4:50 pm **My Worst Case: When Things Go Wrong, Then What?**

Moderators: **Brent L. Norris, MD**
William M. Ricci, MD

Speaker A: **Cyril Mauffrey, MD**

Speaker B: **Victor de Ridder, MD**

4:50 pm - **Free Paper Session 8**
5:30 pm **General Trauma Topics**

Moderators: **Timothy Chesser, MD**
Paul Duffy, MD

4:50 pm **Paper 23**
Orthopaedic Trauma in the Developing World: Where are the Gaps in Research and What Can be Done?

Hao-Hua Wu, BA; Brian Cunningham, MD; Max Liu, BA; Kushal Patel, MD; Amber Caldwell, BA; David Shearer, MD; Saam Morshed, MD; Theodore Miclau III, MD
Institute for Global Orthopaedics and Traumatology, UCSF OTI

4:58 pm **Paper 24**
Complications after Operative Treatment of Femoral Shaft Fractures in Childhood and Adolescence

Christiane Kruppa, MD; Gabriele Wiechert, MD; Thomas Schildhauer, MD; Marcel Dudda, MD
Bochum, Germany

5:06 pm **Paper 25**
Quality of Life After Plating of Midshaft Clavicle Fractures

Rens van der Linde, MD; Sven van Helden, MD
Zwolle, Netherlands

5:14 pm **Paper 26**
Syndesmosis Reduction and Fixation Using Intraoperative 3D Imaging

Morad Mohamad, MD; Victor Dubois-Ferrière, MD
Genève, Switzerland

5:22 pm Discussion

5:30 pm - **International Poster Reception**
6:30 pm