

# International Orthopaedic Trauma Care Forum

**Wednesday, October 9, 2013**

William G De Long, Jr, MD; Saqib Rehman, MD;  
Douglas W Lundy, MD, Chairmen

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

## Target Audience

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.

## Objectives

Attendees of the International Orthopaedic Trauma Care Forum will:

- Learn about the varied methods of treating fracture and trauma complications from around the world
- Become familiar with unique approaches to lower extremity injuries treated in areas of the world with limited resources
- Increase understanding and knowledge of orthopaedic resident training internationally
- Learn about state of the art methods to manage open fractures
- Understand the differences of Orthopaedic Post-Graduate Training in Asia, Germany and South America

## Program

7:00 am Registration and Continental Breakfast

7:30 am Introduction – William G De Long, Jr, MD

### 7:35 am–8:05 am Symposium 1

International Comparison of Orthopaedic Post-Graduate Training

China: Prof. Wang Manyi, MD

Germany: Hans-Christoph Pape

Brazil: Ney Amaral, MD

### 8:05 am–10:37 am Paper Session 1

Fractures of the Lower Extremity

Moderators: Saqib Rehman, MD

David C Templeman, MD

8:05 am Paper 1

**The Retrograde Tibial Nail – A New Implant Concept for Distal Tibia Fractures**

Sebastian Kuhn, MD; Philipp Appelman, MD;

Phillip Pairon, MD; Dorothea Mehler, MD;

Pol M Rommens

University Medical Center of the Johannes

Gutenberg University Mainz, Germany

8:13 am Paper 2

**Infection Rates Following Intramedullary Nailing of Open Tibial Shaft Fractures in Low- And Middle-Income Countries**

Paul Whiting, MD; Daniel Galat, MD;

Lewis G Zirkle, Jr., MD;

Tufts Medical Center, Boston, MA

8:21 am Paper 3

**Outcome of Reamed Intramedullary**

**Interlocking Nail in Open Fracture Shaft Tibia**

Pankaj Kumar, MD

Sant Isha Singh Hospital Pehowa,

Kurukshetra Haryana, India

8:29 am Discussion

8:44 am Paper 4

**Surgical Treatment of Lateral Tibial Plateau Fractures with Porous Titanium Granules or With Bone Graft – Preliminary Results From an Ongoing Randomized Study**

Brynjolfur Y Jonsson, MD

Kopavogur, Iceland

8:52 am Paper 5

**Masquelet Technique for the Treatment of Open Tibial Fractures with Bone Defects**

Martin M Mangupli, MD

Cordoba, Argentina

9:00 am Paper 6

**Avoiding Rotational Mismatch of Locking Distal Tibia Plates Depends on Proper Plate Position**

Kyu-Hyun Yang, MD

Yongdong Severance Hospital, Seoul, Korea

9:08 am

**Closed Tibia Interlocking Nails without Image Intensifier**

Innocent Chiedu Ikem, MD\*

Obafemi Awolowo University, Osun State, Nigeria

9:16 am Discussion

9:31 am Break

9:51 am Paper 7

**Coronal Mismatch of Femoral Locking Plates on Asian Femur: Probably an Insidious Trap Leading Valgus Malunion or Nonunion In Mid-Distal Femoral Fractures**

Jian Lin, MD; Qiu-gen Wang, MD;

Jian-hua Huang, MD; Jian-dong Wang, MD;

Xiao-feng Wu, MD; Jie Tao, MD; Wei Gao, MD;

Hao-qing Li, MD

Shanghai First People's Hospital, Shanghai

Jiaotong University Shanghai, China

9:58 am Paper 8

**Comparison of Anterior Position of Distal Femoral Nail End in Randomised Treatment of Trochanteric Fractures**

Nicholas Boyd Jorgensen, MBBS;

Cameron Cooke, MD

Princess Alexandra Hospital, Hamilton, Australia

10:06 am Paper 9

**Total Hip Arthroplasty for Failed Proximal Femoral Fracture Fixations**

Gunasekaran Kumar, MD; Viju Peter, MD;

Colin Dunlop, MD

Prenton, United Kingdom

\* 2013 OTA Sign Scholar Recipient

# International Orthopaedic Trauma Care Forum (cont.)

- 10:14 am **Paper 10**  
**Cementless Total Hip Replacement for Displaced Subcapital Femoral Fractures**  
*Diana Kennedy, MBBS; Cameron Cooke, MD; Lloyd (Doug) King, FRCS(Ortho); Mark Dekkers, FRCS(Ortho)*  
*Brisbane, Australia*

10:22 am Discussion

## 10:37 am–10:57 am Symposium 2

**Training Abroad for Orthopaedic Residents**  
Moderator: R Richard Coughlin, MD  
University of California San Francisco

## 10:57 am–12:16 pm Paper Session 2

**General Management of Musculoskeletal Injury**  
Moderators: Massimo M Morandi, MD;  
Patrick Yoon, MD

- 10:57 am **Paper 11**  
**Osseointegration as a Viable Treatment Option for Rehabilitation of Amputees**  
*Munjed Al Muderis, MBBS, FRACS, FRCS (ORTHO)*  
*Advanced Orthopaedics, Sydney, Australia*

- 11:05 am **Paper 12**  
**Blast Mediated Traumatic Amputation: Evidence Suggesting a New Injury Mechanism**  
*James Singleton, MBBS; Neil M Walker, MBBS, MRCS; Iain E Gibb, MBBS, FRCS(Ed), FRCR; Anthony M Bull, PhD, DIC, BEng, CEng; Jon C Clasper, MBA, DPhil, DM, FRCSEd(Orth)*  
*Ministry of Defence, Kingston Upon Thames, United Kingdom*

- 11:13 am **Paper 13**  
**Secondary Intramedullary Nailing Following External Fixation: A Novel Surgical Approach to “Nail” The Regenerated Bone for Reconstruction of Complex Fractures and Segmental Bone Defects in Severe Limb Trauma**  
*Gerald E Wozasek, MD; Markus Hofbauer, MD*  
*Clinic for Trauma Surgery, University of Vienna Medical School, Vienna, Austria*

11:21 am Discussion

- 11:29 am **Paper 14**  
**Ultrasonographic Monitoring of Fracture Healing: Is This the End of Radiography in Fracture Follow-Ups?**  
*Sourabh Chachan*  
*Barsha Tudu, MBBS, MS;*  
*Biswajit Sahu, MBBS, MS, M Ch*  
*Sambalpur, Odisha, India*

- 11:37 am **Paper 15**  
**Effect of Chronic Heavy Smoking on Ankle Fracture Healing**  
*Waseem Jerjes, MD, PhD;*  
*Hiang Boon Tan, MB, CHB; Peter V Giannoudis, MD;*  
*Leeds General Infirmary, London,*  
*United Kingdom*

- 11:45 am **Paper 16**  
**Impact of Intraoperative 3D-Fluoroscopy on Functional Outcomes and Health-Related Quality in Open Reduction and Internal Fixation of Displaced, Intra-Articular Calcaneal Fractures**  
*Dirk Stengel, MD; Nicolai Spranger, MD;*  
*Axel Ekkernkamp, MD; Kai Bauwens, MD;*  
*Michael Wich, MD*  
*Unfallkrankenhaus Berlin Klinik F. Unfallchirurgie, Berlin, Germany*

- 11:53 am **Paper 17**  
**Results and Functional Outcome of Traumatic Secondary Arthrosis of The Ankle Joint Treated by Internal Arthrodesis**  
*Marlon O Coulibaly, MD; Thomas A Schildhauer, MD;*  
*Dominik Seybold, MD; Sven Jung, MD;*  
*Jan Gessmann, MD*  
*University Hospital Bergmannsheil GMBH, Department of Traumatology, Ruhr-Univers, Bochum, Germany*

12:01 pm Discussion

12:16 pm Lunch

## 1:00 pm–2:19 pm Paper Session 3

**Fractures of the Upper Extremity and Hip**  
Moderators: Steven J Morgan, MD  
Jeffrey O Anglen, MD

- 1:00 pm **Paper 18**  
**Implantation of Carbon-Fibers-PEEK Intramedullary Humeral Nail for Trauma and Pathological Fracture Fixation – A Multicenter, International Retrospective Accumulated Experience**  
*Christoph Rangger, MD*  
*Krankenhaus Nordwest, Frankfurt, Germany*

- 1:08 pm **Paper 19**  
**A Clinical Comparison of Parallel Versus Orthogonal Anatomical Precontoured Plating for Intercondylar Humerus Fractures**  
*Ting Li, MD; Xieyuan Jiang, MD;*  
*Prof. Wang Manyi, MD*  
*Shanghai, China*

1:16 pm Discussion

- 1:24 pm **Paper 20**  
**A Simple Way to Improve Hospital Medical Care for Hip Fracture Patients: Testing Protein Levels**  
*Yael Sagy, MD; Ahuva Weiss-Meilik, MD;*  
*Shani Gershtein, MD; Moshe Salai, MD;*  
*Ely Liviu Steinberg, MD*  
*Rihon-Lezion, Israel*

- 1:32 pm **Paper 21**  
**An Investigation of 5563 Patients Aged Over 50 With Hip Fractures from Level 1 Trauma Center**  
*Yeming Wang, MD; Wanfu Wei, MD*  
*Tianjin Hospital, Tianjin, China*

- 1:40 pm **Paper 22**  
**Treatment of Pertrochanteric Fractures (AO / OTA 31-A1, A2 And A3): Without C-Arm Using Sign Hip**  
*Professor Shahab-Uddin, FCPS; Faseeh Shahab, MBBS; Lewis G Zirkle, Jr, MD; Peshawar, Pakistan*
- 1:48 pm **Paper 23**  
**Achieving Hip fracture Fixation Without Using Image Intensifier**  
*Billy Thomson Haonga, MD\* Muhimbili Orthopaedic Institute, Muhimbili Complex, Dar -se salaam, Tanzania*
- 1:56 pm **Paper 24**  
**Pelvic Hemorrhage at CT After Blunt High-Energy Pelvic Trauma: Extent and Significance**  
*Anna Totterman, MD; Narin Tiftikci, MD; Mats Beckman, MD; Anders Sundin, MD, Professor Karolinska University Hospital, Stockholm, Sweden*
- 2:04 Discussion
- 2:19 pm–3:25 pm Symposium 3 Guest Nation**  
**Moderator: William G De Long, Jr, MD**  
*Prof. Wang Manyi, MD Chinese Orthopaedic Association*  
**Assessment of BMD of the Femor Head with QCT?**  
*TBD*  
**Coping with Escalating Volumes of Road Crashes in a Maturing Industrial Environment in China**  
*TBD*
- 3:25 pm Break
- 3:45 pm–4:50 pm Symposium 4 Combined Session with Basic Science Focus Forum**  
**Building Networks: The Basics**  
**Moderators: Saam Morshed, MD, PhD; Paul Volberding, MD**
- 3:45 pm **Global Clinical Research: Why Do We Need It?**  
*Paul Volberding, MD*
- 4:00 pm **What Kind of Evidence is Needed to Change Practice or Policy?**  
*David Shearer, MD, MPH*
- 4:10 pm **Conducting International Clinical Research: What Resources are Necessary?**  
*Emil H Schemitsch, MD*
- 4:20 pm **Selecting the Right Study Design: Balancing Science and Resources**  
*Saam Morshed, MD, PhD*
- 4:30 pm **International Research Studies: How to Partner?**  
*Gerard P Slobogean, MD, MPH*
- 4:40 pm Discussion

**4:50 pm–5:30 pm Paper Session 4**

- International Research Studies**  
**Moderators: Saam Morshed, MD, PhD; Paul Volberding, MD**
- 4:50 pm **International Registries: INORMUS (Invited Paper)**  
**Research Fellow, McMaster**
- 4:56 pm–5:02 pm **Paper 20**  
**Management Of Closed Femur Fractures With The SIGN Intramedullary Nail In Two Developing African Countries (Multicenter Observational Study)**  
*Kyle R Stephens, DO; Daniel Galat, MD; Duane Anderson, MD; Kiprono G Koech, MD; Paul Whiting, MD; Michael Mwachiro, MD; Douglas W Lundy, MD*
- 5:02 pm–5:08 pm **Paper 21**  
**The Design Of A Prospective Observational Study To Evaluate The Outcomes Of Operatively Treated Femoral Shaft Fractures In Sub-Saharan Africa (Single-Center Observational Study)**  
*David Shearer, MD; MPH, Edmund Eliezer, MD; Billy Thomson Haonga, MD; Saam Morshed, MD, PhD*
- 5:08 pm–5:14 pm **International Randomized Control Trial: FLOW**  
*Kyle J Jeray, MD*
- 5:14 pm–5:30pm Discussion
- 5:30 pm **Adjourn**
- 5:30 pm–6:30 pm **International Poster Reception**  
 ALL International attendees are invited. Refreshments will be served.

\* 2013 OTA Sign Scholar Recipient



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