International Trauma Care Forum

Peter V. Giannoudis, MD, FACS, FRCS
International Committee Chair

Gaylord Palms in Kissimmee
(Orlando area), Florida

Wednesday - Thursday
October 17-18
2018

CME credits will be awarded for your participation at this activity.
International Trauma Care Forum

OVERVIEW
The International Trauma Care Forum is focused on gathering trauma surgeons from across the globe together to exchange ideas and knowledge on the differences in treatment from a global perspective. This one and a half day session is comprised of 35 papers and 6 symposia, one of which features presenters from the OTA 2018 Guest Nation, the Netherlands.

Attendees of the International Trauma Care Forum will collaborate with the attendees of the Basic Science Focus Forum and exchange ideas during the symposium titled, “The Science of Bone Grafting.” This combined session has proved to be a great way to come together to discuss ideas with basic science researchers.

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.

LEARNING OBJECTIVES
Upon successful completion of this course, participants will be able to:
- Discuss surgical techniques of elbow injuries
- Understand surgical management of pediatric hip and pelvic fractures
- Become familiar with the issues surrounding the treatment of atypical femoral fractures
- Appreciate differences in the treatment of distal tibial fractures reconstructed either with ORIF or fine wire fixators (Ilizarov)
- Become aware of the latest techniques in the management of femoral head fractures
- Gain knowledge on the differences of treatment of intertrochanteric fractures from a global perspective

INTERNATIONAL COMMITTEE
Peter V. Giannoudis, MD, FACS, FRCSC, Chair
Ney Amaral, MD
Fernando de la Huerta, MD
Theodore Toan Le, MD
Amir M. Matityahu, MD
Cyril Mauffrey, MD, FACS, FRCS
Hans-Christoph Pape, MD, FACS
Sara M. Putnam, MD
Thomas A. (Toney) Russell, MD

FEATURED SYMPOSIA
- Surgical Techniques: How I Do It: Elbow Injuries
- The Netherlands Guest Nation Symposium
- Atypical Fractures
- Femoral Head Fractures: An Update
- Intertrochanteric Fractures: Global Perspectives on an Expanding Problem
- THE SCIENCE OF BONE GRAFTING Combined Session with Basic Science

OTA Member
On/Before 10/1/18
OTA Member
After 10/1/18
Non-Member
On/Before 10/1/18
Non-Member
After 10/1/18
Course Fee:
$150
$200
$200
$250
COURSE AGENDA

Wednesday, October 17, 2018

7:30 AM  WELCOME INTRODUCTION
Peter V. Giannoudis, MD, FACS, FRCS

7:35–8:15 AM  SYMPOSIUM I
Surgical Techniques: How I Do It: Elbow Injuries
Moderators:  Thomas Higgins, MD
Peter V. Giannoudis, MD, FACS, FRCS

7:35 AM  Overview
Thomas Higgins, MD

7:37 AM  Radial Head Replacement: When and How?
Michael D. McKee, MD

7:47 AM  Coronoid Displaced Fractures: My Preferred Method of Reconstruction
Craig Roberts, MD

7:57 AM  Comminuted Distal Humeral Fractures in the Elderly: Total Elbow Replacement
Chad Myeroff, MD

8:07 AM  Discussion
All Faculty

8:15–9:37 AM  PAPER SESSION I
UPPER EXTREMITY
Moderators:  Florian T. Gebhard, MD
Henry Broekhuyse, MD

8:15 AM  Paper 30
Functional and Radiological Outcome in 4-Part Proximal Humeral Fractures Treated With the Affinis Fracture Hemiarthroplasty Using the Cap Technique
Sigurd Uyttebroek, MD;
Guy Putzeys, MD

8:21 AM  Paper 31
Comparison of the Clinical Effect of Internal Fixation Combined With Bone Graft and Replacement of the Humeral Head With the Semi-Shoulder Arthroplasty for the Treatment of Proximal Humerus Fracture
Shuang Han, MD; Shiming Wen, MD;
Yan Zhuang, MD

8:27 AM  Paper 32
Hinge External Fixator Combined With Internal Fixation in the Treatment of Complex Elbow Fractures
Lisong Heng, MD

8:33 AM  Paper 33
Infected Nonunion of the Forearm: The Masquelet Technique
Naseer Mir, MD

8:39 AM  Discussion

8:47–9:37 AM  HUMANITARIAN SCHOLAR
Kisitu Kyengera - Uganda

8:47 AM  Paper 34
The Feasibility of a Randomized Controlled Trial Comparing External Fixation Versus Intramedullary Nailing for Open Tibia Fractures at a Regional Hospital in Uganda
Kisitu Kyengera, MBBS;
David Stockton, MD; Nathan O’Hara, MPH;
Gerard Slobogean, MD MPH;
Andrea Howe, BS; D. Marinos, BS;
Piotr Blachut, MD;
Peter O’Brien, MD FRCPC

9:37 AM  BEST OF THE BEST

8:57–9:37 AM  PAPER SESSION II
BEST OF THE BEST
Moderators:  David C. Teague, MD
K.J. Ponsen, MD
Thomas A. (Toney) Russell, MD

8:57 AM  Paper 35
The Role of Video-Assisted Thoracoscopic Surgery in the Treatment of Flail Chest Injuries
Nicolaas Roozendaal, Doctoral Student;
Lori van Roozendaal, MD;
Matthijs van Gool, MD;
Antoinette Pijnenburg, MD;
Paul Hustinx, MD, PhD;
Raoul Van Vugt, MD PhD;
Berry Meesters, MD; Karel Hulsewe, MD PhD;
Yvonne Vissers, MD; Erik de Loos, MD

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Wednesday, October 17, 2018

9:03 AM  Paper 36  
**Treatment of Open Distal Tibia Intra-Articular Fractures (OTA/AO 43)**  
With Circular External Fixators: Multicenter Report of 57 Cases  
Ahmed Thabet Hagag, MD; Francesco Sala, MD; Giovanni Lovisetti, MD; Christopher Gerzina, BS; Gautham Prabhakar, BS; Thomas DeCoster, MD; Amr Abdelgawad, MD MBA

9:09 AM  Paper 37  
**Assessment of Polytraumatized Patients According to the Berlin Definition: Does the Addition of Physiological Data Really Improve Interobserver Reliability?**  
C. E. M. Pothmann, MD; Kai Jensen, MD; Ladislav Mica, MD; Georg Osterhoff, MD; H.-P. Simmen, MD; Kai Sprengel, MD

9:15 AM  Paper 38  
**Does the Use of Augmented Compression in Exchange Nailing for Femoral and Tibial Nonunion Accelerate Time to Radiographic Union?**  
Simon Weil, MRCS; Mark Middleton, FRCS; Myriam Guessoum, MRCS; Alex Trompeter, FRCS

9:21 AM  Paper 39  
**Dissecting the Mesenchymal Stem Cells Heterogeneity for Clinical Applications**  
Daisy Canepa, MSc; Elisa Casanova, PhD; Vinko Tosevski, PhD; Benjamin Eggerschwiler, MSc; Eirini Arvaniti, MSc; Manfred Claassen, PhD; Hans-Christoph Pape, MD; Paolo Cinelli, PhD

9:27 AM  Discussion  
All Faculty

9:37–9:52 AM  Refreshment Break

9:52 AM–10:42 AM  Guest Nation / Netherlands  
**Operative Treatment of Paediatric Pelvic Fractures: Indications and Clinical Results**  
Victor A. De Ridder, MD

9:52 AM–10:42 AM  **Pediatric Fractures: Current Insights**  
Moderators: William M. Ricci, MD Inger B. Schipper, MD, PhD

10:02 AM  **Operative Treatment of Acetabular Fractures: Indications and What Outcomes Should be Expected?**  
Steven A. Olson, MD

10:12 AM  **Femoral Shaft Fractures in the Age Group of 8-14 Years?**  
Jan Bernard Sintenie, MD

10:22 AM  **Femoral Neck Fractures in Children: Issues Challenges and Solutions**  
Daniel S. Horwitz, MD

10:32 AM  Discussion  
All Faculty

10:42–11:02 AM  **Double Dutch: Can Fracture Surgery be Incorporated in a General Trauma Surgery Curriculum?**  
Holland: K.J. Ponsen, MD, President NVT

11:02–11:32 AM  **Atypical Fractures**  
Moderators: K.J. Ponsen, MD Douglas W. Lundy, MD

11:02 AM  **Is the Healing Response Disturbed? What is the Evidence?**  
Peter Giannoudis, MD, FACS, FRCS

11:12 AM  **Treatment of Atypical Femoral Fracture Non-union**  
Ross K. Leighton, MD

11:22 AM  Discussion  
All Faculty

REGISTER TODAY at www.OTA.org
COURSE AGENDA, CONTINUED

Wednesday, October 17, 2018

11:32 AM Move down to Exhibit Hall D

11:40 AM–12:30 PM INTERNATIONAL INDUSTRY LUNCH SESSION

12:30 PM Return to Sun Ballroom C

12:40–1:27 PM PAPER SESSION III

1:27 PM Paper 42
A New Ex Vivo Murine Model for Evaluation of Adhesiveness of a Novel Biomimetic Bone Glue
Philip Procter, PhD;
Sune Larsson, MD PhD;
Gry Hulsart-Bilström, PhD;
Gerard Insley, PhD; Håkan Engqvist, PhD;
Michael Palmer, PhD

12:40 PM Paper 43
The Potential of Scaffolds Loaded With iPSC Extracellular Matrix in Treating Critical Size Bone Defects
Simon Tiziani, MD; Elisa Casanova, PhD;
Daisy Canepa, MSc;
Benjamin Eggerschwiler, MSc;
Hans-Christoph Pape, MD;
Paolo Cinelli, PhD

1:27 PM Paper 44
Does Immunosuppressive Therapy Influence Postoperative Fracture Healing After Organ Transplantation?
C. E. M. Pothmann, MD;
Hans-Christoph Pape, MD;
H.-P. Simmen, MD; V. Neuhaus, PD MD

12:46 PM Paper 41
Comparative Evaluation of Concentrates of Adult Stem Cell Resources Derived by an Innovative Indigenous Algorithm Based on Differential Centrifugation and Ficoll-Hypaque Method
Rajeshwar Srivastava, MS;
Ashok Agrahari, Doctoral Student;
Alka Singh, MSc; Saloni Raj, MBBS

1:27 PM Paper 45
Incidence and Complications of Fractures Managed by Traditional Bone Setters
Riaz Ahmed, MS; Muhammad Sohail, MS;
Junaid Khan, MBBS

12:40–1:12 PM BASIC SCIENCE RESEARCH
Moderators:
Hans-Christoph Pape, MD
Enrique Guerado, MD, PhD

1:12–1:27 PM Discussion
All Faculty

1:27 PM SPECIAL INTEREST LECTURE
“Scientific Output from a Small Country: The Secret of Success in RCT’s”
Dennis Den Hartog, MD, PhD

1:27 PM PAPER SESSION IV
GENERAL TRAUMA
Moderators:
David J. Hak, MD
Nirmal C. Tejwani, MD

1:33 PM Paper 45
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Riaz Ahmed, MS; Muhammad Sohail, MS;
Junaid Khan, MBBS

1:27 PM Paper 44
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Hans-Christoph Pape, MD;
H.-P. Simmen, MD; V. Neuhaus, PD MD

1:04 PM Paper 43
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Simon Tiziani, MD; Elisa Casanova, PhD;
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Hans-Christoph Pape, MD;
Paolo Cinelli, PhD

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Gerard Insley, PhD; Håkan Engqvist, PhD;
Michael Palmer, PhD

12:58 PM Paper 45
Incidence and Complications of Fractures Managed by Traditional Bone Setters
Riaz Ahmed, MS; Muhammad Sohail, MS;
Junaid Khan, MBBS
COURSE AGENDA, CONTINUED

Wednesday, October 17, 2018

1:39 PM | Paper 46 | The Incidence of Deep Venous Thrombosis and the Epidemiological Analysis of Patients With Lower Extremity Fracture in Different Age Groups in Northwest China
Shuang Han, MD; Shiming Wen, MD; Yan Zhuang, MD

1:45 PM | Discussion

1:51 PM | Paper 47 | Factors Associated With Deep Surgical Site Infection Following Fracture Treatment Using the SIGN Nail
Mamer Rosario, MD; Romer Ariel Santos, MD; Misael Jonathan Ticman, MD; Geoffrey Battad, MD; Lendell John Gatchalian, MD; Paul Christian Bejosa, MD

1:57 PM | Paper 48 | The Effect on the Stability of the Knee Joint for Patients With Type IV , V, and VI Tibial Plateau Fracture Through Posteromedial Approaches After the Separation of the Medial Collateral Ligament
Cheng Ren, MD; Han Zhong Xue, MD; Zhong Li, MD

2:03 PM | Paper 49 | Varus Mechanism Is Associated With High Incidence of Popliteal Artery Lesions in Multiligament Knee Injuries
Maximiliano Scheu, MD MS; Alan Garin, MD; Pedro Díaz, MD; Luis O’Connell, MD; Carolina Mellado, MD; Gonzalo Espinoza, MD

2:09 PM | Discussion

2:15– | SYMPOSIUM IV | Femoral Head Fractures: An Update
Moderators: Amir M. Mattityahu, MD; Sushrut Babhulkar, MS ORTH, MCh ORTH

2:25 PM | Which Lesions I Fix and How?
Cyril Mauffrey, MD

2:35 PM | When I Do THR and Why?
Timothy Chesser, MB, BS, FRCS

2:55 PM | Refreshment Break

3:10– | SYMPOSIUM V - DEBATE | Distal Tibia Fractures With or Without Articular Extension?
Moderators: Paul Duffy, MD; Takashi Matsushita, MD

3:20 PM | ORIF/Plating
R. Malcolm Smith, MD

3:30 PM | Discussion

3:40– | PAPER SESSION V | Pelvis and Hip Fractures
Moderators: Gregory J. Della Rocca, MD, PhD, FACS; Fernando de la Huerta, MD

3:46 PM | Paper 50 | Robotic-Assisted Fixation of Sacral Fractures: Initial Experience
Yoram Weil, MD; Meir Liebergall, MD; Rami Mosheiff, MD; Joshua Shroeder, MD; Amal Khoury, MD

3:46 PM | Paper 51 | The Clinical Application of Modified Stoppa Approach With Spring Plate for Posterior Column Acetabular Fractures
Cheng Ren, MD; Han Zhong Xue, MD; Zhong Li, MD

REGISTER TODAY at www.OTA.org
3:52 PM Paper 52
Minimally Invasive Stabilization of Posterior Pelvic Ring Instabilities With Pedicle Screw Connected to a Transverse Rod
Hu Wang, MD

3:58 PM Discussion

4:04 PM Paper 53
Operative Treatment of Intertrochanteric Femoral Fractures: Blade Versus Screw
Joost van Leur, MSc; Tijs Jakma, MD; Sten Willemsen, PhD; Bastiaan Punt, MD

4:10 PM Paper 54
Cemented Versus Cementless Femoral Stem Design and the Risk of Revision for Periprosthetic Femoral Fracture in Total Hip Arthroplasty
Tanvir Khan, MBBS; Brigitte Scammell, PhD; Andrew Manktelow, FRCS; Benjamin Ollivere, MD

4:16 PM Paper 55
Pattern of Hip Fractures Over a 10-Year Period in a Major Referral Center
Paa Baidoo, MD; Agbeko Ocloo, MD; Velarie Ansu, PhD Candidate

4:22 PM Discussion

4:30 PM Adjourn for the Day
INTERNATIONAL RECEPTION
Castillo Fort–St. Augustine Area (Atrium Level)

COURSE AGENDA
Thursday, October 18, 2018

7:30 AM INTRODUCTION (Exhibit Hall D - Room 2)
Edward J. Harvey, MD

7:35–8:35 AM JOINT SESSION (Exhibit Hall D - Room 2)
The Science of Bone Grafting
Moderators: Peter V. Giannoudis, MD, FACS, FRCS Edward J. Harvey, MD

7:35 AM Limitations of Autologous Bone Graft
Joseph Borrelli Jr., MD

7:45 AM Ant/Post iliac Crest Graft Harvesting: Tips / Tricks
Steven A. Olson, MD

7:55 AM Distal Femur: How I Do It
Paul Tornetta III, MD

8:05 AM RIA Grafting: Technique–Issues–Solutions
Brent L. Norris, MD

8:15 AM Composite Grafting: What I Do and Why?
Peter V. Giannoudis, MD, FACS, FRCS

8:25 AM Discussion
All Faculty

8:35 AM International Trauma Care Forum Attendees move to Sun Ballroom C

8:45–9:40 AM SYMPOSIUM VI – IOTA SYMPOSIUM
Intertrochanteric Fractures: Global Perspectives on an Expanding Problem
Moderators: Theodore Miclau III, MD (USA) Peter V. Giannoudis, MD, FACS, FRCS

8:45 AM Introduction
Peter V. Giannoudis, MD, FACS, FRCS

8:50 AM Intertrochanteric Fracture Reductions: Tips and Tricks
Etsuo Shoda, MD, Japanese Society for Fracture Repair

9:00 AM Hip Fracture Mortality: What is Preventable?
Yun Tian, MD, Chinese Academic Orthopaedic Society

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COURSE AGENDA, CONTINUED

Thursday, October 18, 2018

9:08 AM  Intertrochanteric Fracture Fixation: Are the Indications for a DHS Changing Worldwide?  
Fernando de la Huerta, MD,  
Mexican Federation of Colleges of Orthopaedics and Traumatology

9:16 AM  Osteoporotic Bone: When and How to Use Augmentation  
Florian Gebhard, MD,  
German Trauma Society

9:24 AM  Hip Fracture Registries: What Are the Benefits?  
Roger Bingham, MD,  
Australian Orthopaedic Association

9:32 AM  Discussion  
All Faculty

9:40 AM  Refreshment Break

9:50–10:14 AM  PAPER SESSION VI  
Femoral Fractures  
Moderators:  
Victor A. De Ridder, MD  
Raymond Malcolm Smith, MD

9:50 AM  Paper 56  
A Biomechanical Analysis About Fixing the Locking Compression Plate of Distal Femur Fractures  
Joon-Woo Kim, MD PhD;  
Chang-Wug Oh, MD PhD;  
Jin-Han Lee, PhD; Il-Hyung Park, MD PhD;  
Kyeong-Hyeon Park, MD;  
Tae-Seong Kim, MD; Il Seo, MD;  
Seong-Min Kim, MD

9:56 AM  Paper 57  
Satisfactory Postoperative Alignment Following Retrograde SIGN Fin Nailing for Femoral Shaft Fractures: A Case-Control Study  
Nathaniel Wilson, MD; Jordan Shaw, MD;  
Mbonisi Malaba, MD; Fasto Yugusuk, MD;  
Philemon Nyambati, MD;  
Alexander Siy, BS; Daniel Galat, MD;  
Kiprono Koech, MD; Dylan Nugent, MD;  
Paul Whiting, MD

10:02 AM  Paper 58  
Open Diaphyseal Femoral Fractures Treated With Intramedullary Nailing: Incidence of Complications and Health-Related Quality of Life Outcomes  
Hany Saleeb, MRCS;  
Theodoros Tosounidis, MD PhD;  
Paul Harwood, FRCS;  
Nikolaos Kanakaris, PhD MD;  
Peter Giannoudis, MD

10:08 AM  Discussion

10:14–10:38 AM  PAPER SESSION VII  
Foot and Ankle  
Moderators:  
Roy Sanders, MD  
J.B. Sintenie, MD

10:14 AM  Paper 59  
Outcome of Percutaneous Fixation of Calcaneal Fractures: A Prospective Analysis in an Indian Population  
Chirag Arora, MS; Anil Jain, MS

10:20 AM  Paper 60  
Outcomes of Neglected Bosworth Fracture-Dislocation  
Gisoo Lee, PhD, MD; Chan Kang, MD;  
Yougun Won, MD
COURSE AGENDA, CONTINUED

Thursday, October 18, 2018

10:26 AM  Paper 61  Soft-Tissue Complications and Timing of Surgery in Patients With a Tongue-Type Displaced Intra-Articular Calcaneal Fracture: An International Retrospective Cohort Study
           Siebe De Boer, MD;
           Esther M.M. Van Lieshout, PhD MSc;
           Freek Van ’t Land, BSc;
           Dominique Misselyn, MD;
           Tim Schepers, MD PhD;
           Dennis Den Hartog, MD PhD;
           Michael H.J. Verhofstad, MD PhD

10:32 AM  Discussion

10:38–11:02 AM  PAPER SESSION VIII
11:02 AM  General Trauma II
            Moderators: Cyril Mauffrey, MD
                        Nikolaos Kanakaris, MD, PhD

10:38 AM  Paper 62  Treatment of Infection Following Intramedullary Nailing of Tibial Shaft Fractures: Results of the ORS/ISFR Expert Group Survey
            Cyril Mauffrey, MD; David Hak, MD;
            Peter Giannoudis, MD; Volker Alt, MD;
            Christoph Nau, MD; Ingo Marzi, MD;
            Peter Augat, PhD; Jong-Keon Oh, MD PhD;
            Johannes Frank, MD;
            Andreas Mavrogenis, MD;
            Xavier Flecher, MD; Jean Argenson, MD;
            Ashok Gavaskar, MD; David Rojas, MD;
            Yehia Bedeir, MD; Raymond Wright, MD;
            Arun Aneja, MD PhD

10:44 AM  Paper 63  A Comparison of Knee Pain and Kneeling Pain in Suprapatellar Versus Infrapatellar Tibial Nailing
            Mark Middleton, FRCS;
            Simon Weil, MRCs; Tamer Ads, MScOT;
            Thomas Anderson, MBBS;
            Andreas Fontalis, MD;
            Alex Trompeter, FRCS

10:50 AM  Paper 64  Distal Radius Volar Plate Design Predicts Volar Prominence to Watershed Line in Clinical Practice: Comparison of Soong Grading of 2 Common Low-Profile Plates in 400 Patients
            Minke Bergsma, MD;
            Kimberly Brown, MD;
            Job Doornberg, MD PhD;
            Inger Sierveelt, MSc;
            Ruurd Jaarsma, MD PhD;
            Bhavin Jadav, FRCS

10:56 AM  Discussion

11:02 AM  Adjourn for the day to INDUSTRY SYMPOSIA