

19th Annual Baltimore Limb Deformity Post-Course

Osteomyelitis and Segmental Bone Defects

September 10–11, 2009

(Finalized August 31, 2009)

Marriott Waterfront Hotel
Baltimore, Maryland, United States of America



COURSE DIRECTOR

Janet D. Conway, MD

Faculty

<i>Christopher E. Attinger, MD</i>	Washington, District of Columbia
<i>James Binski, MD</i>	Dayton, Ohio
<i>Robert J. Brumback, MD</i>	Baltimore, Maryland
<i>Maurizio A. Catagni, MD</i>	Lecco, Italy
<i>Stuart A. Green, MD</i>	Long Beach, California
<i>Volkmar Heppert, MD</i>	Ludwigshafen, Germany
<i>Marco Innocenti, MD</i>	Florence, Italy
<i>Alan L. Jones, MD</i>	Dallas, Texas
<i>Ronald W. Lindsey, MD</i>	Galveston, Texas
<i>Richard P. Meinig, MD</i>	Colorado Springs, Colorado
<i>León Mora, MD</i>	Medellin, Colombia
<i>Javad Parvizi, MD</i>	Philadelphia, Pennsylvania
<i>Robin Patel, MD</i>	Rochester, Minnesota
<i>Michael Patzakis, MD</i>	Los Angeles, California
<i>S. Robert Rozbruch, MD</i>	New York, New York
<i>Edward M. Schwarz, PhD</i>	Rochester, New York
<i>Hiroyuki Tsuchiya, MD, PhD</i>	Kanazawa, Japan

Thursday, September 10, 2009

06:30–07:30 Registration and Continental Breakfast

Harborside Foyer

Basic Concepts: Treatment and Strategies

Harborside Salons D, E

07:30–07:50 Welcome and CME Pre-Test
Janet D. Conway, MD

07:50–08:10 Osteomyelitis: Etiology, Classification, and Clinical Presentation
Volkmar Heppert, MD

08:10–08:30 Osteomyelitis: Diagnostic Imaging and Laboratory Testing
S. Robert Rozbruch, MD

08:30–08:50 Osteomyelitis: Preoperative Management and Basic Strategy Considerations
Janet D. Conway, MD

08:50–09:10 Débridement Techniques for Osteomyelitis: How Much Is Enough?
Stuart A. Green, MD

09:10–09:20 Discussion

09:20–09:50 Health Break and Visit with Exhibitors

Harborside Foyer

Treatment Strategies Based on the Cierny-Mader Classification System

Harborside Salons D, E

09:50–10:20 Type 1 and Type 2 Osteomyelitis: Treatment Strategies
Janet D. Conway, MD

10:20–10:40 Type 3 Osteomyelitis: Treatment Strategies
Maurizio A. Catagni, MD

10:40–11:00 Type 4 Osteomyelitis: Treatment Strategies
James Binski, MD

11:00–11:20 The Infected Nonunion: Overview of Surgical Management—Femur
Michael Patzakis, MD

11:20–11:50 The Infected Nonunion: Overview of Surgical Management—Tibia
James Binski, MD

11:50–11:55 Discussion

11:55–12:05 Evaluation of Morning Session

- 12:05–13:30 Lunch on Own
- 13:30–13:50 Necrotizing Soft Tissue Infections *Harborside Salons D, E*
Michael Patzakis, MD
- 13:50–14:10 Update from the Clinical Microbiology Laboratory
Robin Patel, MD
- 14:10–14:30 Local Antibiotics for Osteomyelitis
Volkmar Heppert, MD
- 14:30–14:50 Strategies for Infection Prevention in the Operative Setting:
Avoiding Problems
Javad Parvizi, MD
- 14:50–15:20 Health Break and Visit with Exhibitors *Harborside Foyer*
- Emerging Technology in Bone Infection** *Harborside Salons D, E*
- 15:20–15:40 Update on the Diagnosis of Orthopedic Device-Related Infection
Robin Patel, MD
- 15:40–16:00 Emerging Technology in Treatment—Vaccine for Methicillin-Resistant
Staphylococcus aureus (MRSA)
Edward M. Schwarz, PhD
- 16:00–16:20 “Smart” Implant Technology: Controlled Release of Vancomycin from
Thin Sol-Gel Films on Implant Surfaces Successfully
Controls Osteomyelitis
Javad Parvizi, MD
- 16:20–16:40 Antibacterial Material: Antibiotic-Impregnated Calcium Phosphate Cement and
Iodine-Supported Titanium
Hiroyuki Tsuchiya, MD, PhD
- 16:40–16:50 Evaluation of Afternoon Session
- 16:50–18:00 Case Presentations: Decision Making in the Difficult Cases
Janet D. Conway, MD
- 18:00–19:00 Cocktail Reception *Harborside Foyer*

Friday, September 11, 2009

07:00–07:30 Continental Breakfast *Harborside Foyer*

07:30–07:40 Announcements *Harborside Salons D, E*
Janet D. Conway, MD

Segmental Defects: Basic Concepts

07:40–08:05 Basic Concepts in Diagnosing and Treating Segmental Defects
Volkmar Heppert, MD

Bone Grafting

08:05–08:30 Autograft, Allograft, and Synthetic Options in Bone Grafting
Segmental Defects
Alan L. Jones, MD

08:30–08:50 Management of Segmental Bone Defects Using Bioresorbable
Polymer Membranes
Richard P. Meinig, MD

08:50–09:10 The Masquelet Membrane
Richard P. Meinig, MD

09:10–09:35 The Bone Cage
Ronald W. Lindsey, MD

09:35–10:10 Health Break and Visit with Exhibitors *Harborside Foyer*

Distraction Osteogenesis *Harborside Salons D, E*

10:10–10:30 Acute Shortening for Bone Defects: Comparison of Acute Shortening with
Bone Transport
S. Robert Rozbruch, MD

10:30–10:50 When and How to Acutely Shorten and Secondarily Lengthen: Experience
with the Intramedullary Skeletal Kinetic Distractor
Janet D. Conway, MD

10:50–11:10 Tumor Reconstruction with Distraction Osteogenesis
Hiroyuki Tsuchiya, MD, PhD

11:10–11:30 Biological Reconstruction after Tumor Resection
Hiroyuki Tsuchiya, MD, PhD

11:30–11:50 Indications, Tips, and Tricks for Femoral and Tibial Bone Transport
James Binski, MD

11:50–12:10 Indications, Tips, and Tricks for Lengthening Over Nails (LON),
Lengthening and Then Nailing (LATN), and Lengthening and Then
Plating (LATP)
León Mora, MD

Segmental Allografts and the Fibula

12:10–12:30 Treatment of Massive Tibial Bone Loss Using the Ipsilateral Fibula and
Ilizarov Apparatus
Maurizio A. Catagni, MD

12:30–12:50 Discussion

12:50–13:00 Evaluation of Morning Session

13:00–14:00 Working Lunch (participant case presentations) *Harborside Salons D, E*

14:00–14:20 Vascularized Fibular Transplantation for Orthopedic Reconstruction
Marco Innocenti, MD

14:20–14:40 Management of Extreme Infected Defects with Allografts
Robert J. Brumback, MD

14:40–15:00 Revitalizing Massive Allografts
Edward M. Schwarz, PhD

The Soft Tissue Defect

15:00–15:15 Composite Bone and Soft Tissue Defects
Maurizio A. Catagni, MD

15:15–15:30 Soft Tissue Heal Thyselves: Wound Healing with Secondary Intention
Stuart A. Green, MD

15:30–15:45 Soft Tissue Reconstruction without the Plastic Surgeon: Tips and Tricks
León Mora, MD

15:45–16:00 Closure of Soft Tissue Defects by Transport and Shortening
S. Robert Rozbruch, MD

16:00–16:20 Soft Tissue Reconstruction for Osteomyelitis
Christopher E. Attinger, MD

- 16:20–16:25 Discussion
- 16:25–16:40 Health Break and Visit with Exhibitors *Harborside Foyer*
- 16:40–17:30 Case Presentations with Audience Response System *Harborside Salons D, E*
Entire Faculty
- 17:30–18:45 Lab Demonstrations
Ronald W. Lindsey, MD, James Binski, MD, and Janet D. Conway, MD
- 17:30–17:45 Titanium Bone Cage
Ronald W. Lindsey, MD
- 17:45–18:05 Bone Transport with Ilizarov Device
James Binski, MD
- 18:05–18:25 Reamer/Irrigator/Aspirator System
Janet D. Conway, MD
- 18:25–18:45 Femoral and Tibial Intramedullary Skeletal Kinetic Distractor
Janet D. Conway, MD
- 18:45–19:00 Evaluation of Afternoon Session and CME Post-Test
- 19:00 Participants can visit lab stations for additional hands-on training (*optional*).