

Saturday, March 18, 2017
San Diego Convention Center
Room: 31C
8:00 am – 4:00 pm



General Information

Educational Objectives

- Understand past contributions and current advances in the field of limb reconstruction from Japan
- Gain knowledge of the latest developments in biological 3D printing for bone and cartilage defects
- Recognize the current management and basic science of implant related musculoskeletal infection

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Limb Lengthening and Reconstruction Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

Credit Hours

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of **7 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Program Committee Leadership
Kevin Louie, MD and J. Spence Reid, MD

8:00 am – 8:05 am **Welcome and Introduction**
Karl E. Rathjen, MD and Kevin Louie, MD

Session I: Symposium Guest Nation Japan

8:05 am – 8:20 am **History**
Nobuyuku Takenaka, MD

8:20 am – 8:35 am **Pediatrics**
Natsuo Yasui, MD

8:35 am – 8:50 am **Tumor**
Hiroyuki Tsuchiya, MD, PhD

8:50 am – 9:05 am **Trauma**
Takashi Matsushita, MD

9:05 am – 9:15 am **Discussion**

Session II: Emerging Technologies

9:20 am – 9:40 am **3 – D Printing for Bone Defects**
Kevin Tetsworth, MD

9:40 am – 10:00 am **In – Situ Bioprinting of Composite Tissues**
Ibrahim Tarik Ozbolat, MD

10:00 am – 10:20 am **Intramedullary Lengthening Update**
John E. Herzenberg, MD

10:20 am – 10:40 am **Management of Bone Defects Update**
J. Tracy Watson, MD

10:40 am – 10:55 am **Discussion**

10:55 am – 11:05 am **Refreshment Break**

Session III: Best Papers from LLRS 25th Annual Scientific Meeting, July 2016

11:05 am – 11:15 am **Assessment of Bone Healing During Antegrade Intramedullary Rod Femur Lengthening Using Radiographic Pixel Density**
Ettore Vulcano, MD

11:15 am – 11:25 am **Limb Lengthening in Children with a Distraction Nail**
Rainer Baumgart, MD

11:25 am – 11:35 am **Mathematical Modeling for the Evaluation of Hexapod Frames Stability and Correction Path**
Alexander Cherkashin, MD

11:35 am – 11:45 am **Oxygen Consumption Testing and Self-Reported Outcomes Following Limb Salvage with Tibio-Calcaneal or Tibio-Talo-Calcaneal Fusion**
S. Robert Rozbruch, MD

11:45 am – 11:55 am **Discussion**

11:55 am – 12:45 pm **Lunch On Own**

The Evolving Care of Musculoskeletal Infection in Children
Combined Symposium with MSIS and POSNA

12:45 pm – 1:00 pm Welcome and Introduction
James J. McCarthy, MD and Vishwas R. Talwalkar, MD (POSNA)
Karl E. Rathjen, MD, Kevin Louie, MD, and J. Spence Reid, MD (LLRS)
Sandra Nelson, MD and Antonia F. Chen, MD, MBA (MSIS)

Infection Part I: Basic Science – What is New and How it Affects an Old Disease

Moderators: Jonathan Schoenecker, MD and Antonia F. Chen, MD, MBA

1:00 pm – 1:15 pm How Bacteria Hide: How Treating an Infection with Implants affects your Treatment Plan including the Protective Effects of a Biofilm
Alex C. McLaren, MD

1:15 pm – 1:30 pm Musculoskeletal Infections – A Multidisciplinary Team Approach
Sandra B. Nelson, MD

1:30 pm – 1:45 pm Changing Trends in Infections – Antibiotic Resistance and Patient Specific Factors
Aaron J. Tande, MD

1:45 pm – 2:00 pm Discussion

2:00 pm – 2:20 pm Refreshment Break

Infection Part II: Real World Problems – Real Solutions

Moderator: L. Reid Nichols, MD

2:20 pm – 2:30 pm Open Tibia – Open Physis: Where Are We Now?
Craig A. Robbins, MD

2:30 pm – 2:40 pm What is Old is New Again: The Use of External Fixation for the Treatment of Chronic Infection
Mark T. Dahl, MD

2:40 pm – 2:50 pm Preventing Infections in Children Undergoing Limb Deformity Correction: From Pins Sites to IM Rods after Lengthening
Christopher Iobst, MD

2:50 pm – 3:10 pm Discussion

3:10 pm – 3:20 pm SSI: How to Measure and Implement an Effective Program
Tony Scaduto, MD

3:20 pm – 3:30 pm There is a Child with a Swollen, Painful Joint: Aspiration, MRI – What is the Standard of Care?
Rick Bowen, MD

3:30 pm – 3:40 pm Post Op Spine Infection: Treatment Protocol and Results
Peter Sturm, MD

3:40 pm – 3:55 pm Discussion

3:55 pm – 4:00 pm Conclusion, Adjourn