



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.

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of **7.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Educational Objectives

Upon completion of this educational activity, the participant will be able to:

- Recognize the theory and basis for 3-D printing and its role in orthopaedics
- Understand the history of limb lengthening in Italy and the country's contributions to distraction osteogenesis, hip reconstruction, and pediatric deformity correction
- Appreciate the benefits and pitfalls of performing international orthopedic mission work.

8:00 am – 8:10 am Welcome and Introduction

Session I: 3D Modeling and 3D Printing in Limb Reconstruction: Current and Developing Applications

- 8:10 am – 8:25 am Introduction to 3D Modeling and Printing in Orthopaedic Surgery: Here and Now
Kevin Tetsworth, MD
- 8:25 am – 8:40 am 3D Modeling and 3D Printed Jigs/Guides: Hand and Wrist Applications
Randy Bindra, MD
- 8:40 am – 8:55 am Statistical Shape Modeling: Characterising Normal and Abnormal in Orthopaedics
Joyce Anthony, MD
- 8:55 am – 9:10 am 3D Modeling and 3D Printed Jigs/Guides: Further Orthopaedic Applications
Minoo Patel, MD
- 9:10 am – 9:25 am The Immediate Future of Biofabrication in Orthopaedics
Mia Woodruff, MD
- 9:25 am – 9:40 am Developing and Introducing a 3D Modeling Unit
Kevin Tetsworth, MD
- 9:40 am – 9:55 am Discussion
- 9:55 am – 10:05 am Refreshment Break

Session II: Tips and Tricks

- 10:05 am – 10:25 am Early Experience with the Hoffman LRF
David E. Lowenberg, MD
- 10:25 am – 10:45 am Technical Tips for Motorized Intramedullary Length and Deformity Correction
Mark T. Dahl, MD
- 10:45 am – 11:00 am Update on Biologics – What I am Using Now
J. Tracy Watson, MD
- 11:00 am – 11:15 am Things I wish Someone had told me when I started these Cases
Spence Reid
- 11:15 am – 11:30 am Discussion

Session III: Best Papers from ILLRS Congress

- 11:30 am – 12:15 pm Papers Selected from the ILLRS Congress in November 2015
- 12:15 pm – 12:30 pm Discussion
- 12:30 pm – 1:30 pm Lunch – On Your Own

Session IV: Featured International Update – Italy

- 1:30 pm – 1:45 pm The History of the Ilizarov Technique in Italy
Maurizio Catagni, MD
- 1:45 pm – 2:00 pm Distraction Osteogenesis
Maurizio Catagni, MD
- 2:00 pm – 2:15 pm Hip Reconstruction – 30 Years Later
Maurizio Catagni, MD
- 2:15 pm – 2:30 pm Techniques and Advancements of Deformity Correction in Pediatrics
Maurizio Catagni, MD
- 2:30 pm – 2:50 pm Discussion

Session V: International Mission Work

- 2:50 pm – 3:20 pm International Mission Work – The Dark Side of Doing Good
John E. Herzenberg, MD
- 3:20 pm – 3:45 pm Mission Work – Making the Right Choice in the Wrong Setting
Mark T. Dahl, MD
- 3:45 pm – 4:00 pm Limb Lengthening in the Wild
Scott Nelson, MD
- 4:00 pm – 4:10 pm Discussion
- 4:10 pm – 4:15 pm Announcements, Adjourn