



**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