



# Masterclass

Complex Spine: Evolution of scoliosis with age and management of complications

*Skills Enhancement - Spine*

Eurostars Roma Aeterna  
Rome, Italy  
19-20 November 2018

 ZIMMER BIOMET  
Institute™

## Masterclass

Our continuum of education offers a vast range of opportunities to health care providers to learn, interact, understand and share knowledge about our products, services and about surgical philosophies through a variety of modalities.

We know you are good. And we know you are eager to become even better. Get those real-time problem-solving deep-dives with Skill Enhancement by the Zimmer Biomet Institute!

The specific course objectives include:

- Differentiate when to commit to surgery for Early Onset Scoliosis
- Review and evaluate proximal and distal fixation options and best practices in immature patients
- Determine to operate a mild AIS; now or later
- Assess the evolution of the treated and untreated AIS patient and his condition at the age of 40
- Recognize and debate how to avoid the main complications in AIS management
- Strategies to assist and anticipate how to avoid PJK
- Recognize and debate how to avoid the main complications in adult deformity management
- Illustrate VCR technique for treatment of severe scoliosis
- Assess the value of PSO, Interbody cages, hyperlordotic cages in the restoration of sagittal balance
- Review and value the options for sacropelvic fixation

The Zimmer Biomet Institute wishes you a valuable and enjoyable training with us.

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# Program

## Monday, November 19, 2018

12:00 *Welcome Lunch*

13:00 Course opening

### Introduction

13:10 Evolution of Scoliosis with Age

13:25 Q&A

### Immature Scoliosis

13:30 Management of Early Onset Scoliosis: Now or later?  
When do we perform surgery?

13:40 Q&A

13:45 Update on today's surgical options for treatment of immature scoliosis

14:00 Q&A

14:05 Proximal Fixation Options: Costotransversal Hooks,  
Traditional hooks, Bands or Screws? When, why and best practices.

14:20 Q&A

14:25 Fixation to the ilium in immature patients. When and how?

14:35 Case presentation

14:45 Case presentation

14:55 Debate

15:15 *Coffee break*

### Adolescent Idiopathic Scoliosis: Evolution with Age

15:45 Mild AIS (curve 40-50°): Treat now or later?

15:55 Discussion - Q&A

16:00 Patients operated for AIS, how are they when they are above 40?  
What we have learned?  
What can you expect?

16:10 Discussion - Q&A

16:15 Untreated AIS after 40 year old  
Natural evolution of untreated AIS  
How will the patient age?  
How will the patient be in 20y from now?

16:25 Discussion - Q&A

16:30 Debate

16:45 *Coffee break*

**AIS: Avoiding main complications**

17:05 How to restore balance in adolescent and young patients?

17:15 Q&A

17:20 How to avoid PJK?

Importance in adolescent and young patients

17:30 Q&A

17:35 How to avoid screw plow when performing DVR and VCM?

17:45 Q&A

17:50 Avoiding residual curve progression after fusion.

18:00 Q&A

18:05 Case presentation

18:15 Debate

*18:30 Closing - End of day 1*

*19:30 Dinner*

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## Tuesday, November 20, 2018

08:30 *Introduction day 2*

### Adult Deformity: Avoiding main complications

- 08:35 How far to extend the construct distally?
- 08:45 Q&A
- 08:50 Preventing rod breakage
- 09:00 Q&A
- 09:05 The adding on effect. How to prevent it?
- 09:15 Q&A
- 09:20 Case presentation
- 09:30 Case discussion
- 09:40 Debate

10:00 *Coffee break*

### Surgical Techniques for Managing Complex Spine

- 10:30 Restoring balance: The role of an Interbody cage  
Posterior vs other interbody fusion techniques.
- 10:45 Q&A
- 10:50 Vertebral Column Resection  
How do I perform my VCR surgery?
- 11:00 Q&A
- 11:05 The value of the hyperlordotic cages - Discussion
- 11:15 Q&A
- 11:20 Multi-Rod Construct : When is it needed?
- 11:30 Q&A
- 11:35 Sacropelvic Fixation
- 11:45 Q&A
- 11:50 Debate
- 12:20 Evaluation and certification

12:25 *Closure and farewell*

12:30 *Lunch and depart*

**Notes**

A series of horizontal lines for taking notes.

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## Notes

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## Faculty

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### Venue

Eurostars Roma Aeterna  
Via Casilina 125 / Piazza del Pigneto 9a  
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Italy

### Language

English

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## Course Fee

The fee for this course will be: 600 Euros

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