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NEURORADIOLOGY  
DIAGNOSTIC AND INTERVENTIONAL  
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MUSCULOSKELETAL  
RADIOLOGY  
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# European Course on Spine Radiology

## 1<sup>st</sup> Cycle Module 2 Programme

Jointly organised by ESNR and ESSR

**10–13 March 2021**



**ASK THE  
EXPERT!**

LIVE Q&A  
IN EACH  
SESSION



## Day One Wednesday, March 10

08:20–08:30

### Introduction/Welcome

*Antoine Feydy (FR), Luigi Manfré (IT)*

### Introduction to the Modular Examination

*Majda Thurnher (AT)*

08:30–11:35

### Inflammation

*Moderators: Majda Thurnher (AT), Filip Vanhoenacker (BE)*

08:30 Axial Spondylarthropathy SIJ and Spine  
*Lennart Jans (BE)*

08:55 Differential diagnosis and mimickers of Axial SpA:  
Pso, DISH, SIJ variants  
*Anne Cotten (FR)*

09:20 SAPHO/CRMO  
*James Teh (UK)*

09:45 Complications of the rigid spine  
*Filip Vanhoenacker (BE)*

10:10 Degenerative Disease with inflammatory changes:  
Modic Type 1, Facet Joint edema, etc.  
*Jean-Francois Budzik (FR)*

10:35 Multiple sclerosis  
*Majda Thurnher (AT)*

11:00 Other demyelinating disorders and differential  
diagnosis  
*Majda Thurnher (AT)*

11:20 Q & A

15 mins BREAK

11:50–13:15

### Infection-part I

*Moderators: Steven Wong (SG), Sönke Langner (DE)*

11:50 Tuberculous spinal infections  
*Steven Wong (SG)*

12:15 Non-TB spinal infections, diagnosis and follow-up  
*Guillaume Bierry (FR)*

12:40 Spine Infections  
*Mario Muto (IT)*

13:00 Q & A

35 mins BREAK

13:50–15:15

### Infection-part II

*Moderators: Luigi Manfré (IT), Richard Fawcett (UK)*

13:50 Disco-Vertebral Image guided biopsy  
*Sönke Langner (DE)*

14:15 Role of imaging in spondylodiscitis follow-up  
*Aurélien Dinh (FR)*

14:40 Postoperative imaging  
*Jan Vandevenne (BE)*

15:00 Q & A

15 mins BREAK

15:30–16:30

### Beyond the spine

*Moderators: Luigi Manfré (IT), Richard Fawcett (UK)*

15:30 Pelvic pathology mimicking spinal disease  
*Richard Fawcett (UK)*

15:55 The Sacroiliac Joint disease: Treatment  
*Luigi Manfré (IT)*

16:15 Q & A

15 mins BREAK

16:45–18:45

### Interactive Sessions Inflammation/Infection (Groin/Pelvic & Sacral Instability)

*Information: Delegates will follow 4 Sessions with Case Presentations with MCQ*

16:45 Session 1

17:15 Session 2

17:45 Session 3

18:15 Session 4

Speakers ESSR Sessions  
Guillaume Bierry (FR), Richard Fawcett (UK),  
Sönke Langner (DE), James Teh (UK)

Speakers ESNR Sessions  
Anne Cotten (FR), Luigi Manfré (IT), E. Turgut Tali (TR),  
Jan Vandevenne (BE)

INTERACTIVE  
CASE  
PRESENTATION  
SESSIONS



## Day Two Thursday, March 11

08:30–08:40

### Introduction to the topics of the day

*Eugene McNally (UK), Pia Sundgren (SE)*

08:40–10:55

### Metabolic diseases

*Moderators: Radhesh Lalam (UK), Alberto Bazzocchi (IT)*

08:40 Diagnosis of osteoporosis: Role of imaging  
*Jan Kirschke (DE)*

09:05 Vertebroplasty and alternatives  
*Nicolas Amoretti (FR)*

09:30 Besides the vertebra: Sacroplasty and around  
*Luigi Manfré (IT)*

09:55 Paget's disease  
*Radhesh Lalam (UK)*

10:20 Other metabolic disorders  
*Alberto Bazzocchi (IT)*

10:40 Q & A

15 mins BREAK

11:10–13:40

### Vascular diseases

*Moderators: Pedro Vilela, Naci Koçer*

11:10 Vascular anatomy of the spine and spinal cord  
*René van den Berg (NL)*

11:35 Vascular imaging of the spine and spinal cord –  
CTA, MRS, DSA and more  
*Seon Kyu Lee (US)*

12:15 Spinal cord ischemia  
*Pedro Vilela (PT)*

12:40 Spinal vascular malformations: How to study  
*Adam Flanders (US)*

13:05 Spinal vascular malformations: How to treat  
*Naci Koçer (TR)*

13:25 Q & A

20 mins BREAK

14:00–16:00

### Interactive Sessions Metabolic/Vascular

*Information: Delegates will follow 4 Sessions with Case Presentations with MCQ*

14:00 Session 1

14:30 Session 2

15:00 Session 3

15:30 Session 4

Speakers ESSR Sessions

*Nicolas Amoretti (FR), Alberto Bazzocchi (IT),  
Jan Kirschke (DE), Radhesh Lalam (UK)*

Speakers ESNR Sessions

*Naci Koçer (TR), Luigi Manfré (IT), René van den Berg (NL),  
Pedro Vilela (PT)*

**INTERACTIVE  
CASE  
PRESENTATION  
SESSIONS**



## Day Three Friday, March 12

08:30–08:40

### Introduction to the topics of the day

*Johan Van Goethem (BE), Maria Tzalonikou (GR)*

08:40–10:30

### Spinal trauma – Part 1

*Moderators: Johan Van Goethem (BE), Maria Tzalonikou (GR)*

08:40 Trauma of the craniocervical junction  
*Madeleine Sampson (UK)*

09:05 Trauma of cervical spine  
*Surabhi Choudhary (UK)*

09:30 Trauma of thoracolumbar spine  
*Gustav Andreisek (CH)*

09:55 Whiplash injuries  
*Johan Van Goethem (BE)*

10:15 Q & A

10 mins BREAK

10:40–12:00

### Spinal trauma – Part 2

*Moderators: Johan Van Goethem (BE), Maria Tzalonikou (GR)*

10:40 Spinal cord trauma  
*Pia Sundgren (SE)*

11:05 Treatment of traumatic fractures: When interventional  
*Matteo Bellini (IT)*

11:30 Treatment of traumatic fractures: When surgical  
*Birender Balain (UK)*

11:50 Q & A

30 mins BREAK

12:35–14:00

### Pediatric and adolescent spine – Part 1

*Moderators: Filip Vanhoenacker (BE), Andrea Rossi (IT)*

12:35 Embryology of the spine and spinal cord  
*Sven Dekeyzer (BE)*

13:00 Spinal dysraphism  
*Andrea Rossi (IT)*

13:25 Low back pain and neck pain in children  
*Nele Herregods (BE)*

13:45 Q & A

10 mins BREAK

14:10–15:35

### Pediatric and adolescent spine – Part 2

*Moderators: Filip Vanhoenacker (BE), Andrea Rossi (IT)*

14:10 Scoliosis  
*Antoine Feydy (FR)*

14:35 Spondylolysis/spondylolisthesis and differential diagnosis  
*Radhesh Lalam (UK)*

15:00 Pediatric spine and spinal cord trauma  
*Chen Hoffman (IL)*

15:20 Q & A

10 mins BREAK

15:45–17:45

### Interactive Sessions Trauma/Pediatric

*Information: Delegates will follow 4 Sessions with Case Presentations with MCQ*

15:45 Session 1

16:15 Session 2

16:45 Session 3

17:15 Session 4

Speakers ESSR Sessions  
*Gustav Andreisek (CH), Surabhi Choudhary (UK), Antoine Feydy (FR), Nele Herregods (BE),*

Speakers ESNR Sessions  
*Matteo Bellini (IT), Andrea Rossi (IT), Pia Sundgren (SE), Johan Van Goethem (BE)*

INTERACTIVE  
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## Day Four Saturday, March 13

08:50–09:00

### Introduction to the topics of the day

*Antoine Feydy (FR), Luigi Manfré (IT)*

09:00–11:00

### Interventional Session: US Guided procedures

09:00 Video demonstrations – ultrasound cervical plexus  
*Paolo Simoni (BE)*

10:00 Pain Management & Neurolysis:  
US/Fluoro/CT-guided procedures  
*Adrian Kastler (FR)*

11:00–17:00

### Interventional Session: Xray/CT Guided procedures – LIVE Cases

11:00 Vertebroplasty using DSA: Tips and tricks  
*Bassem Georgy (US)*

12:00 Vertebroplasty & Spacer implant using Fluoro:  
Tips and tricks  
*Nicolas Amoretti (FR)*

13:00 Vertebroplasty & Spacer implant using CT:  
Tips and tricks  
*Luigi Manfré (IT)*

14:00 Neuropathic pain: Neuromodulation, Spine pump &  
other treatments  
*Allan Brook (US)*

15:00 Percutaneous discectomy, VP and other  
percutaneous procedures  
*Joshua Adam Hirsch (US)*

16:00 Advanced percutaneous treatments in spine  
lesions  
*Alexis Kelekis (GR)*

17:00–17:15

### Closing Remarks

*Antoine Feydy (FR), Luigi Manfré (IT)*

### Modular Examination

The modular examination will take place on March 14, at 14.00 CET and will be held online by EBNR. Registration to the exam is not mandatory to attend the course but registration to the course is mandatory to attend the exam. Registration will be done on EBNR website.

Exam Fee (not mandatory): EUR 50