



The EANS Advanced Course in Spinal Surgery

Part II: Revisions
and Complication Management

22-24 November 2021
Geneva, Switzerland

in cooperation with EUROSPINE

Course Organisers:
Andreas Demetriades and Enrico Tessitore

Course Programme

SCIENTIFIC COMMITTEE

Andreas Demetriades (UK)
Enrico Tessitore (Switzerland)
Florian Ringel (Germany)
Bernhard Meyer (Germany)
Claudius Thome (Austria)

FACULTY

Massimo Balsano (Italy)
Andreas Demetriades (UK)
Bart Depreitere (Belgium)
Dennis E. Dominguez (Switzerland)
John Duff (Switzerland)
Marisa Gandia (Spain)
Cumhur Kilincer (Turkey)
Nikolay Konovalov (Russia)
Jesus Lafuente (Spain)
Bernhard Meyer (Germany)
Wilco Peul (The Netherlands)
Florian Ringel (Germany)
Dominique A. Rothenfluh (UK)
Ehab Shiban (Germany)
Enrico Tessitore (Switzerland)
Claudius Thomé (Austria)

22 November 2021

07:30 07:45 Registration

07:45 08:00 Introduction & course welcome

**Demetriades,
Tessitore**

08:00 – 09:30 Minimally Invasive Surgery

08:00 08:15 MIS. Complications & management

Duff

08:15 09:30 Case-based discussion: Insufficient decompression after MIS

Duff (Mod.)

08:15 08:20 Case presentation

Shiban

08:20 08:35 Group discussion

All

08:35 08:50 Group presentation

All

08:50 08:55 Case Solution

Shiban

08:55 09:05 Expert opinion

Tessitore

09:05 09:30 Round table: "MIS. When & when not"

Thomé, Duff, Ringel

09:30 09:50 *Coffee break*

09:50- 12:15 Biomechanical Failure I

09:50 10:00 Basics of biomechanical failures

Dominguez

10:00 11:15 Case-based discussion: Post laminectomy kyphosis

Tessitore (Mod.)

10:00 10:05 Case presentation

Peul

10:05 10:20 Group discussion

All

10:20 10:35 Group presentation

All

10:35 10:40 Case solution

Peul

10:40 10:50 Expert opinion

Dominguez

10:50 11:15 Round table: "Spinal parameters. All cases or selected only"

**Meyer, Tessitore,
Kononov**

11:15 12:30 Case-based discussion: Management of pseudarthrosis

Gandia (Mod.)

11:15 11:20 Case presentation

Meyer

11:20 11:35 Group discussion

All

11:35 11:50 Group presentation

All

11:50 11:55 Case solution

Meyer

11:55 12:05 Expert opinion

Tessitore

12:05	12:15	Round table: How I diagnose pseudarthrosis and I when should I reoperate	Balsano, Gandia, Peul
12:15	13:15	Lunch break	

13:15 – 14:45 Biomechanical Failure II

13:15	13:30	Spinal Parameters. How I use it in my everyday practice?	Lafuente
13:30	13:45	Adjacent segment degeneration/disease	Konovalov
13:45	15:10	Case-based discussion: Proximal Junctional Failure	Ringel (Mod.)
13:45	13:50	Case presentation	Dominguez
13:50	14:05	Group discussion	All
14:05	14:20	Group presentation	All
14:20	14:25	Case solution	Dominguez
14:25	14:35	Expert opinion	Balsano
14:35	14:45	Round table: How high should I go?	Ringel, Rothenfluh, Lafuente
14:45	15:00	Coffee break	

15:00 – 16:15 Failed Back Surgery Syndrome

15:00	15:10	FBSS. Diagnosis & Treatment	Shiban
15:10	16:15	Case-based discussion: FBSS	Peul (Mod.)
15:10	15:15	Case presentation	Ringel
15:15	15:30	Group discussion	All
15:30	15:45	Group presentation	All
15:45	15:50	Case solution	Ringel
15:50	16:00	Expert opinion	Meyer
16:00	16:15	Round table: How I decide when to operate FBSS	Konovalov, Balsano, Lafuente

Dry Lab – GROUP 1 (20 participants)

16:15	18:30	1) Cranio-vertebral junction 2) Cervico-thoracic junction 3) Thoraco-lumbosacral junction	Duff, Shiban, Lafuente, Balsano, Thomé, Konovalov, Gandia, Demetriades
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23 November 2021

08:30 – 09:55 Biomechanical Failure III

08:30	08:45	Osteotomies	Balsano
08:45	09:55	Case-based discussion: Implant failure in osteoporosis	Duff (Mod.)
08:45	08:50	Case presentation	Demetriades
08:50	09:05	Group discussion	All
09:05	09:15	Group presentation	All
09:15	09:20	Case solution	Demetriades
09:20	09:30	Expert opinion	Ringel
09:30	09:55	Round table: Is there ever a simple solution in these cases?	Duff, Kilincer, Rothenfluh
09:55	10:30	Coffee break	

10:30 – 12:20 Biomechanical Failure IV

10:30	11:20	Case-based discussion: Implant failure in Parkinsons patients	Demetriades (Mod.)
10:30	10:35	Case presentation	Balsano
10:35	10:50	Group discussion	All
10:50	11:05	Group presentation	All
11:05	11:10	Case solution	Balsano
11:10	11:20	Expert opinion	Rothenfluh
11:20	12:10	Case-based discussion: Mechanical failure in the cervical spine	Depreitere (Mod.)
11:20	11:25	Case presentation	Duff
11:25	11:40	Group discussion	All
11:40	11:55	Group presentation	All
11:55	12:00	Case solution	Duff
12:00	12:10	Expert opinion	Peul
12:10	12:20	Round table: Role of spinal parameters in the cervical spine	Peul, Dominguez, Rothenfluh
12:20	13:15	Lunch break	

13:15 - 15:55 Surgical site infections & CSF fistula

13:15	13:30	Incidence, risk factors and avoidance strategies for surgical site infection	Kilincer
13:30	13:45	Incidence, risk factors and management of CSF fistulas	Thomé
13:45	14:35	Case-based discussion: Management of repeated CSF fistula	Lafuente (Mod.)
13:45	13:50	Case presentation	Kilincer
13:50	14:05	Group discussion	All
14:05	14:20	Group presentation	All
14:20	14:25	Case solution	Kilincer
14:25	14:35	Expert opinion	Depreitere
14:35	14:50	Coffee break	
14:50	15:40	Case-based discussion: Management of post-operative infections	Thomé (Moderator)
14:50	14:55	Case presentation	Depreitere
14:55	15:10	Group discussion	All
15:10	15:25	Group presentation	All
15:25	15:30	Case solution	Depreitere
15:30	15:40	Expert opinion	Demetriades
15:40	15:55	Roundtable: SSI & CSF Fistula complication management	Gandia, Kilincer, Depreitere

Dry Lab – GROUP 2 (20 participants)

15:55	18:15	1) Cranio-vertebral junction 2) Cervico-thoracic junction 3) Thoraco-lumbosacral junction	Kilincer, Peul, Depreitere, Ringel, Dominguez, Meyer, Rothenfluh, Tessitore
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24 November 2021

08:00 – 09:05 Revision Surgery

08:00	08:15	Complications and revisions in adult deformity surgery	Rothenfluh
08:15	09:30	Case-based discussion: Revision of an adult deformity case	Demetriades (Mod.)
08:15	08:20	Case presentation	Tessitore
08:20	08:35	Group discussion	All
08:35	08:50	Group presentation	All
08:50	08:55	Case solution	Tessitore
08:55	09:05	Expert opinion	Rothenfluh
09:05	09:20	Coffee break	

09:20 – 11:15 Iatrogenic neurological injury

09:20	09:35	Incidence & management of iatrogenic neurological injury	Depreitere
09:35	10:25	Case-based discussion: Iatrogenic neurological injury	Thomé (Mod.)
10:25	10:30	Case presentation	Shiban
10:30	10:45	Group discussion	All
10:45	11:00	Group presentation	All
11:00	11:05	Case solution	Shiban
11:05	11:15	Expert opinion	Lafuente

11:15 – 11:45 Visceral complications I

11:15	11:30	Visceral complications in cervical spine procedures	Lafuente
11:30	11:45	Visceral complications in thoraco-lumbar spine procedures	Meyer
11:45	12:30	Lunch break	
12:30	13:20	Case-based discussion: Esophageal injury/chylothorax	Demetriades (Mod.)
12:30	12:35	Case presentation	Thomé
12:35	12:50	Group discussion	All
12:50	13:05	Group presentation	All
13:05	13:10	Case solution	Thomé
13:10	13:20	Expert opinion	Kilincer
13:20	13:30	Closing remarks	Demetriades, Tessitore



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