WFNS/SPNC Training Course
29th september - 1st october 2022
Porto, Portugal

PROGRAM OVERVIEW

Thursday 29_9_2022

Hands-on short courses

Room 1 - Posterior Cervico-thoraccic instrumentation techniques

Room 2 - Thoraco-lumbar pedicle screw instrumentation

Room 3 - White matter anatomy with Augmented reality

Room 4 - Upsurgeon Simulation training - Pterional craniotomy

13h00-14h00 Lunch (Exclusive trainees courses)

Agenda		Tilte	Q&A
14h00	**10**	**Welcome and Course overview**	
14h10	**60**	**Session I: Surviving in Neurosurgery**	
	20	Decision-making in neurosurgery	10
	20	Integrating research with a busy clinical practice	10
15h10	**30**	**Industry-sponsored simposium**	
	25		**5**
15h40	**20**	**Coffee-break**	
16h00	**60**	**Session II: Anatomy and Surgical Technique**	
	20	Venous considerations in Skull base surgery	10
	20	Anatomy and role for the telo-vello-tonsillar approach	10
17h00	**15**	**Coffee-break**	
17h15	**4x30**	**Case discussion**	
		4 stations rotation	
19h15		**Adjourn**	
20h30		**Network Dinner**	

Friday 30_09_2022

Agenda		Title	Q&A
08h30	**60**	**Session II: Funcional / Epilepsy / Others**	
	20	DBS for parkinson disease - Anatomic targets and technical variants	10
	20	Amygdalohypocampectomy.- indications and surgical nuances	10
09h30	**60**	**Session III: Oncology and Cranial base**	
	20	Parasagittal meningiomas: a challenge managemnet	10
	20	Defining possible in deep seated tumor surgery	10
10h30	**20**	**Coffee-break**	
10h50	4x30	**Case discussion**	
		4 stations rotation	
12h50-14h00		**Lunch**	
14h00	**30**	**Industry-sponsored symposium**	
	25		5
14h30	**30**	**Conference: Petroclival meningiomas - approach selection**	
	20		10
15h00	**60**	**Session IV: Trauma**	
	20	Traumatic Intracranial hemorrahge in the elderly patient	10
	20	Cervical spine locked facets	10
16h00	**20**	**Coffee-break**	
16h20	30	**Video Session**	
	15		
	15		
16h50	**4x30**	**Case discussion**	
		4 stations rotation	
18h50		**Adjourn**	
20h00		**Network Dinner**	

Saturday 01_10_2022

Agenda		Title	Q&A
09h00	**60**	**Spine / Peripheral nerve**	
	20	Management of spinal tumors	10
	20	Cauda Equina Syndrome	10
10h00	**30**	**Industry-sponsored symposium**	
	25		5
10h30	**15**	**Coffee-break**	
10h45	30	**Video Session**	
	15	Endoscopic approach to pituitary tumors	
	15	Approach to posterior IIII Ventricle lesions	
11h15	**60**	**Session VI: Vascular**	
	20	The basics of AVM surgery	10
	20	Aneurysm surgery in an pro-coil environment	10
12h15	80	**Diifficult scenarios in Neurosurgery**	
	30	Challeging Cranial Cases	10
	30	Challenging Spinal Cases	10
13h25	10	**Wrap up and course evaluation**	
13h30		**End of course**	

Posterior Cervico-thoraccic instrumentation techniques

09:00 – Course introduction
09:05-09:25 –C1-C2 options for screw fixation
09:30-09:50 – Sub-axial instrun
09:55-10:15 – Thoraccic transpedicular screws - indication and technique

Sawbone training rotation
10:20 – 11:00 – Rotation 1:
C1-C2 screw fixation – group 1 e 2.
C3-C6 intrumentation – group 3 e 4.
Thoraccic transpedicular screws – group 5 e 6.

11:00-11:30 – Coffee-break

11:30-12:10 – Rotatio 2:
C1-C2 screw fixation – group 5 e 6
C3-C6 intrumentation – group 1 e 2
Thoraccic transpedicular screwsl – group 3 e 4

12:10-12:50 – Rotation 3:
C1-C2 screw fixation – group 3 e 4
IC3-C6 intrumentatio – group 5 e 6
Thoraccic transpedicular screw – group 1 e 2

12:50-13:00 – Wrap-up

Thoraco-lumbar instrumentation Workshop

09:00 –Course introduction
09:05-09:20– Anantomy and biomechanics of the toraco-lumbar spine
09:30-09:45 – Lumbar pedicle screws - Indications and technique
09:55-10:15 – IThoracic pedicle screws - Indications and technique

Sawbone training rotation
10:20 – 11:00 – Rotation 1:
High Thoraccic pedicle screws T1-T5 – group 1 e 2
Low thoraccic Pedicle Screws T8-T12 – group 3 e 4.
Lumbar pedicle screws – group 5 e 6.

11:00-11:30 – Coffee-break

11:30-12:10 – Rotation 2:
High Thoraccic pedicle screws T1-T5 – group 5 e 6
Instrumentação toraccica baixa– group 1 e 2
Lumbar pedicle screws – group 3 e 4

12:10-12:50 – Rotation 3:
High Thoraccic pedicle screws T1-T5 group 3 e 4
Low thoraccic Pedicle Screws T8-T12 group 5 e 6
Lumbar pedicle screws group 1 e 2

12:50-13:00 – Wrap-up

White matter / Gliomas Workshop

09:00 – 10:30- Fundamentals

09:00 – 09:30- White matter anatomy and basic intra-operative monitoring

09:30 – 10:00- Tractography (DTI) application in the preoperative planning

10:00 – 10:30- Pre and intraoperative mapping techniques in the surgical planning of glioma surgery

10-30- 11:00 – Coffee-break

11:00 – 13:00 – Practical Workshop
11:00- 11:30 – Clinical Cases presentation
. Left insular Tumor
. Left Opercular tumor
. Right Supplemental motor area tumor

Group A: 4 participants
11:30 – 12:15: Tractography planning - Workstation
12:15 - 13:00: Augmented-reality navugation

Grupo B: 4 participantes
11:30 – 12:15: Augmented-reality navugation
12:15 - 13:00: Tractography planning - Workstation "

Upsurgeon Simulation: Pterional approach and aneurysm clipping

09:00 – 09:10: Welcome and course overview

09:10 – 09:25: Pterional approach - indication, variants and surgical technique

09:25 – 09:40: Surgical anatomy of the anterior cranial base

09:40 – 10:30: Pterional craniotomy training – Upsurgeon AneurysmBox

10:30 – 11:00: Coffee-Break

11:00 – 11:45: Surgical anatomy training / anterior cranial base - Upsurgeon AneurysmBox

11:45 – 12:00: Aneurysms clipping

12:00 – 13:00: Aneurysms clipping training - Upsurgeon Aneurysm box