

## Anterior Approaches to the Cervical and Thoracolumbar Spine

Room: 112

Moderator: Hossein Mehdiان, London, UK

Discussion Facilitator: Pedro Berjano, Milan, Italy

<b>13:00</b>	<b>Cervical Spine</b>	<b>Presenter</b>	<b>Educational Goals</b>
13.05-13.15 (10')	<b>Transnasal endoscopic approach to C0-C2</b>	Francesco Zenga, Torino, Italy	Providing an overview of indications and counterindications for the transnasal approach Informing about the limitations of the approach for wide oncological resection. Introducing to the main technical challenges and solutions
13.17-13.27 (10')	<b>Transoral approaches to C0-C2</b>	Dezső J. Jeszenszky, Zürich, Switzerland	Providing an overview of indications and counterindications Informing about the potential complications and risk-benefit evaluation
13.29-13.39 (10')	<b>Retropharyngeal approach to C0-C2</b>	Dezső J. Jeszenszky, Zürich, Switzerland	Providing an overview of indications and counterindications Describing the challenges related to accessibility to the levels. Describing the challenges related to variations of vertebral artery anatomy
13.39-13.54 (15')	<b>Discussion</b>		
13.55-14.05 (10')	<b>One step beyond in anterior approaches to C2-C7</b>	Luca Papavero , Hamburg, Germany	Providing an overview on the risk of injury of the vertebral artery in common cases and how to prevent it. Providing a description of how to handle previous laryngeal recurrent nerve palsy and esophageal adhesions in case of revision surgery Informing about less common injuries affecting phonation (superior laryngeal nerve) and how to prevent them. Demonstrating a strategy to improving the extensibility of the approach (what anatomical structures can be scarified and which one must be recognized and preserved)
14.07-14.17 (10')	<b>Anterior approaches to the cervicothoracic junction (sternotomy, manubriotomy)</b>	Benjamin Blondel, Marseille, France	To discuss the options to extend the approach into the thoracolumbar junction and their reach. To discuss anatomical nuances and how to prevent complications
14.17-14.32 (15')	Discussion		
<b>14.32-14.45</b>	<b>Coffee break</b>		

<b>Hands-on Demonstration section (parallel rotations in groups)</b>			
14.45 – 15.45	<p>2-3 Consecutive hands-on demonstrations by Faculty and Medical Technology Experts:</p> <p>To demonstrate tips and tricks for safe L5-S1 anterior approach in lateral decubitus anterior release and sagittal realignment via transpsoas approach</p> <p>L5-S1 anterior approach with low profile fixation options</p> <p>L5-S1 anterior fixation with hyperlordotic implants for sagittal correction</p> <p>thoracolumbar corpectomy with sagittal realignment</p> <p>cervical corpectomy including decompression and vertebral body replacement with sagittal realignment</p> <p>C1-C2 anterior fixation and its options</p>		
	<b>Thoracolumbar spine</b>	<b>Moderator: P. Berjano</b>	
15.45-15.55 (10')	Anterior approaches to the thoracic spine	Ciaran Bolger, Dublin, Ireland	<p>To inform about the options for less invasive anterior approach to the thoracic spine</p> <p>To discuss the options for a range of indications including tumor resection and spinal cord decompression.</p> <p>To present the steps to prevent and treat access related complications, including persistent pleural effusion, pleural CSF fistula and intercostal pain</p>
15.57-16.07 (10')	Thoracoabdominal approaches	Hossein Mehdian, London, UK	<p>To demonstrate anatomical nuances in the thoracolumbar junction and how to overcome them for combined approaches.</p> <p>To describe the potential complications related to extensile approaches in the thoracolumbar junction including diaphragm related complications</p>
16.09-16.19 (10')	MIS approach for thoracolumbar and lumbar corpectomy	Pedro Berjano, Milan, Italy	<p>To demonstrate the strategy to handle the diaphragmatic anatomy related to thoracolumbar junction corpectomy</p> <p>To demonstrate a strategy for effective correction and stable fixation in the treatment of post-traumatic angular deformities.</p>
16.19-16.40	Discussion		
16.40-16.50 (10')	MIS Transpsoas lumbar approach	Pedro Berjano, Milan, Italy	<p>To provide an overview of indications and counter-indications of trans-psoas approaches</p> <p>To provide an overview of potential access-related complications and how to prevent them in trans-psoas approaches</p>
16.52-17.02 (10')	MIS Ante-psoas lumbar approach	Gerd Bordon, Valencia, Spain	<p>To provide an overview of indications and counter-indications of ante-psoas approaches</p> <p>To provide an overview of potential access-related complications and how to prevent them in ante-psoas approaches</p>
17.04-17.14 (10')	Transperitoneal and retroperitoneal anterior approach to L3-S1	Roberto Bassani, Milano, Italy	<p>To provide an overview of indications and counter-indications of anterior retroperitoneal and transperitoneal approaches to the lower lumbar spine</p> <p>To provide an overview of potential access-related complications and how to prevent them in anterior retroperitoneal and transperitoneal approaches to the lower lumbar spine</p>
17.16-17.26 (10')	L5-S1 ALIF in the lateral position	Richard Assaker, Milano, Italy	<p>To provide an overview of the anatomical indications and counterindications for the approach and how to evaluate them preoperatively.</p> <p>To discuss the nuances of effective stable fixation in this approach.</p>
17.26-17.40	Discussion		
17.40-17.45	Adjourn		