

AOSpine Advanced Seminar in Spine Degeneration—Taipei
Saturday, 06 July 2019 - Sunday, 07 July 2019, Taipei, Taiwan

Learning objectives

- Degeneration - Analyze the patient history and physical examination findings
- Degeneration - Use appropriate diagnostic tools
- Degeneration - Use evidence-based decision making when recommending operative and nonoperative interventions
- Degeneration - Use appropriate nonoperative treatments
- Degeneration - Select and perform appropriate surgical procedures for specific indications
- Degeneration - Prevent/manage operative and postoperative complications
- Degeneration - Use outcome measures to assess the effectiveness of each intervention

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Saturday, 06 Jul 2019 (Day 1)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration
08:00	08:30	Other Registration		Courtyard by Marriott Taipei, Nangang	30
08:30	08:40	Opening remarks Welcome (Introduction of AOSpine)	Chiung Chyi Shen		10
08:40	10:15	Percutaneous Endoscopic Thoracic and Lumbar Spinal Surgery	Chien-Ming Chen; Jwo-Luen Pao		95
08:40	09:00	Lecture Physiology, biomechanics, and degeneration of lumbar spine	Jwo-Luen Pao		20
09:00	09:20	Lecture Uniportal inter-laminar vs transforaminal approach for discectomy and decompression for lumbar stenosis	Chien-Ming Chen		20
09:20	09:40	Lecture Biportal full endoscopic spine surgery for variety of degenerative lumbar diseases	Jwo-Luen Pao		20
09:40	10:00	Lecture Video-assisted thoracoscopic treatment of spinal lesions in the thoracolumbar junction	Tsung-Jen Huang		20
10:00	10:15	Discussion Case solution and interactive discussion (3 cases)	Chien-Ming Chen		15
10:15	10:25	Coffee break			10
10:25	12:20	MIS Spinal Fusion and Percutaneous Transpedicular Screws Fixation (pTPS)	Gabriel Liu; Chiung Chyi Shen		115

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10:25	10:45	Lecture Surgical options of lumbar fusion: (anterior, oblique, lateral, posterior) Indications, technical and limitation	Cheng-Hung Lee		20
10:45	11:05	Lecture Oblique lumbar interbody fusion (OLIF): Surgical techniques and common pitfalls and outcome	Cheng-Hung Lee		20
11:05	11:25	Lecture Transforaminal lumbar interbody fusion (TLIF): Surgical techniques, common pitfalls and outcome	Chiung Chyi Shen		20
11:25	11:45	Lecture MIS strategies for lumbar degenerative scoliosis	Gabriel Liu		20
11:45	12:05	Lecture Computer aided navigation and robotic spine surgery: Is it worthwhile?	Chien-Min Lin		20
12:05	12:20	Discussion Case solution and interactive discussion (3 cases)	Cheng-Hung Lee		15
12:20	13:00	Lunch Symposium	Rafael Bundoc; Kang Lu		40
12:20	12:40	Lecture Cortical Bone Trajectory (CBT): Evidence and tips surgical techniques and common pitfalls	Jau-Ching Wu		20
12:40	13:00	Lecture Utility of 3D printing in difficult spine surgeries	Rafael Bundoc		20
13:00	14:20	Dynamic Stasbilization	Rafael Bundoc; Kang Lu		80
		Pedicle Screw-based Dynamic Stabilization			

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13:00	13:20	Lecture Evidence and tips for pedicle screw based dynamic stabilization: Cons, complications and recent trends	Chien-Min Lin		20
		Interspinous Spacer-based Dynamic Stabilization Devices			
13:20	13:40	Lecture Evidence and tips for Interspinous spacer-based dynamic stabilization: Cons, complications and recent trends	Kang Lu		20
13:40	14:00	Lecture Dynamic stabilization vs fusion for treatment of symptomatic degenerative spine diseases	Rafael Bundoc		20
14:00	14:20	Discussion Case solution and interactive discussion (3 cases)	Rafael Bundoc		20
14:20	14:35	Coffee break			15
14:35	15:15	MIS Option	Yen-Jen Chen; Uei-Chyi Chuah		40
14:35	14:55	Lecture MIS percutaneous screw fixation in spinal trauma	Uei-Chyi Chuah		20
14:55	15:15	Lecture MIS options for lumbar degenerative disease	Tsung-Jen Huang		20
15:15	17:00	Lumbar Adjacent Segment Disease (ASD) and Other Complications	Yen-Jen Chen; Uei-Chyi Chuah		105

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15:15	15:35	Lecture Could the topping-off technique prevent ASD after pedicle screw-based fusion?	Kang Lu		20
15:35	16:05	Lecture Risks of ASD requiring surgery after lumbar fusion and how to treat it	Uei-Chyi Chuah		30
16:05	16:25	Lecture Evidence based medicine for degenerative lumbar spondylosis surgery: When a fusion is needed?	Yen-Jen Chen		20
16:25	16:45	Lecture Current strategy for determining sagittal spinal alignment and surgical correction	Gabriel Liu		20
16:45	17:00	Discussion Case solution and interactive discussion (3 cases)	Yen-Jen Chen		15

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Saturday, 06 July 2019 - Sunday, 07 July 2019, Taipei, Taiwan

Sunday, 07 Jul 2019 (Day 2)

Start	End	Title	Moderators/Faculty	Location/Documents	Duration
08:00	10:15	Degeneration of Cervical Diseases	Chih-Ju Chang; Jau-Ching Wu	Courtyard by Marriott Taipei, Nangang	135
08:00	08:20	Lecture Physiology, biomechanics, and degeneration of cervical diseases	Wen-Tien Wu		20
08:20	08:40	Lecture Anterior surgical treatment for multilevel CSM (corpectomy/fusion, multiple ACDF): Indication, limitations	Uei-Chyi Chuah		20
08:40	09:00	Lecture Multilevel CSM: How to choose between laminoplasty and instrumented cervical laminectomy	Gabriel Liu		20
09:00	09:20	Lecture Combined anterior-posterior approaches for CSR/CSM: Indications and outcome	Wen-Tien Wu		20
09:20	09:40	Lecture Critical review of multiple level cervical fusion, disc replacement and hybrid construct	Jau-Ching Wu		20
09:40	10:00	Lecture Adjacent segment degeneration - Can we avoid in cervical arthroplasty?	Chiung Chyi Shen		20
10:00	10:15	Discussion Case solution and interactive discussion (3 cases)	Jau-Ching Wu		15
10:15	10:30	Coffee break			15
10:30	12:30	OPLL and Other Cervical Spine Lesions	Chi-Chien Niu; Wen-Tien Wu		120

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Start	End	Title	Moderators/Faculty	Location/Documents	Duration
10:30	10:50	Lecture Genetics, heritability, etiology and natural history of OPLL and surgical strategy	Chi-Chien Niu		20
10:50	11:10	Lecture Multisegment laminoplasty or instrumented cervical laminectomies for the OPLL: Indications and outcome	Chi-Chien Niu		20
11:10	11:30	Lecture Anterior approaches for treatment of multilevel severe OPLL	Chih-Ju Chang		20
11:30	11:50	Lecture Anterior and/or posterior approach to treat cranio-cervical and upper cervical spine pathology	Wen-Tien Wu		20
11:50	12:10	Lecture Cervical sagittal balance: A biomechanical perspective can help clinical practice?	Chih-Ju Chang		20
12:10	12:25	Discussion Case solution and interactive discussion (3 cases)	Chiung Chyi Shen		15
12:25	12:30	Closing remarks Closing remark			5