

Abstract No.	Presentation No.	Style	Session title	Date	Session time		Venue		Order of Presentation	Abstract title
ANE002038	1-3-EPA2-1	Oral	English Presentation Award 2	Thursday, Apr. 18	9:10	10:14	Room 3	Conference Center 5F Meeting Room 501	1	3D Printing Technology Assisted Spinal Deformity Surgery
ANE002061	1-3-EPA3-6	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	6	Advanced Glycolysation End products (AGEs) in Hypertrophied Ligamentum Flavum of Diabetes Mellitus and Non Diabetes Mellitus
ANE002042	1-3-EPA2-8	Oral	English Presentation Award 2	Thursday, Apr. 18	9:10	10:14	Room 3	Conference Center 5F Meeting Room 501	6	Back Pain and Scoliosis Prevalence in Adolescent in Riyadh, A Cross Sectional Study
ANE002004	1-3-EPA6-3	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	3	Biportal Arthroscopic Discectomy for High-grade Migrated Lumbar Disc Herniation
ANE002036	1-3-EPA5-4	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	4	Can C7 slope substitute the T1 slope? An analysis using cervical radiographs and weight-bearing MRIs
ANE002060	1-3-EPA6-7	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	6	Can the conventional MRI substitute for the 3D-MRI to diagnose lumbar foraminal stenosis?
ANE002091	1-3-EPA4-8	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	7	Changes in Pelvic Incidence because of Rotatory Subluxation of the Sacroiliac Joint in Severe Adult Spinal Deformity
ANE002049	1-3-EPA6-5	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	5	Combination of minimally invasive spinal surgery: oblique lumbar interbody fusion and biportal endoscopic spinal surgery for lumbar spinal stenosis - Pilot Study
ANE002100	1-3-EPA5-5	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	5	Comparison between Functional Outcome (JOA Score) of Miniplate Laminoplasty and En Bloc / Bone Graft Laminoplasty for Cervical Myelopathy: A Sytematic Review
ANE002082	1-3-EPA1-7	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	7	Defining Two Subtypes of Lenke 5 Curves in Adolescent Idiopathic Scoliosis Patients Undergoing Posterior Spinal Fusion
ANE002067	1-3-EPA5-8	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	8	Deletion of endoplasmic reticulum stress transducer OASIS inhibits the glial scar formation after spinal cord injury
ANE002099	1-3-EPA6-8	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	7	Disaster Relief Effort in Orthopedics Field:A Medical and Epidemiology Review of Lombok and Palu Earthquakes in 2018
ANE002085	1-3-EPA1-5	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	5	Does Medial and Lateral Shoulder Discordance after Postoperative Shoulder Balance in Lenke Type 1 and 2 Adolescent Idiopathic Scoliosis Patients Following Posterior Spinal Fusion
ANE002040	1-3-EPA1-2	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	2	Effectiveness of Nighttime Brace in Preventing Progression of Idiopathic Scoliosis
ANE002089	1-3-EPA6-4	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	4	From MED to UBEST, A New Horizon of Minimally Invasive Spine Surgery
ANE002090	1-3-EPA4-4	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	4	How to Determine Distal Fusion Level in the Major Thoracolumbar and Lumbar Adolescent Idiopathic Scoliosis Treated by Rod Derotation and Direct Vertebral Rotation
ANE002018	1-3-EPA1-8	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	8	Hybrid versus total sublaminar wires in spinal muscular atrophy patients undergoing scoliosis surgery
ANE002077	1-3-EPA5-2	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	2	Impact of pelvic incidence on change in lumbo-pelvic sagittal alignment between sitting and standing position.
ANE002081	1-3-EPA3-7	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	7	Impact of the PVM on Osteoporotic Vertebral Fracture: a multicenter cohort study
ANE002084	1-3-EPA1-4	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	4	Is immediate postoperative shoulder imbalance related to distal adding-on phenomenon? Analysis of 107 Lenke 1 and 2 patients who underwent selective thoracic fusion with a minimum follow-up of 2 years
ANE002029	1-3-EPA2-2	Oral	English Presentation Award 2	Thursday, Apr. 18	9:10	10:14	Room 3	Conference Center 5F Meeting Room 501	2	Medical Malpractice Litigation in Pediatric Scoliosis: A Comprehensive, Nationwide Analysis For The Last Three Decades
ANE002043	1-3-EPA6-1	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	1	Minimally invasive surgery for adolescent idiopathic scoliosis - A retrospective case series of 84 patients
ANE002039	1-3-EPA3-1	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	1	MRI findings in painful cemented vertebrae of failed vertebroplasty

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ANE002033	1-3-EPA3-4	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	4	Multi-Center Trial Revealing the Presence of Bacterial Contamination on Pedicle Screws during Spinal Fusion and Prevention Method
ANE002050	1-3-EPA3-8	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	8	Pedicle morphology of Dorsolumbar spine in Nepalese population in relation to transpedicular screw fixation
ANE002057	1-3-EPA4-7	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	6	Perioperative Complications of Posterior Three-column Osteotomy in 408 adult spinal deformity patients
ANE002037	1-3-EPA1-6	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	6	Posterior Multiple Vertebral Crack Osteotomy for the Treatment of Severe Spinal Deformities in Pediatric Patients: A Retrospective Case Series of 53 patients
ANE002028	1-3-EPA1-1	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	1	Predictors of Extended Length of Hospital Stay in Adolescent Idiopathic Scoliosis Patients Undergoing Posterior Segmental Instrumented Fusion: An Analysis of 407 Surgeries Performed at a Large Academic Center
ANE002059	1-3-EPA3-5	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	5	Radiological study after microscopic decompression surgery for lumbar canal stenosis with degenerative spondylolisthesis (LCSDS) -A single institute study of 527 consecutive cases-
ANE002006	1-3-EPA4-6	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	5	Relevance of appearance and pain relief among HRQoL subdomains for satisfaction after adult spinal deformity surgery
ANE002030	1-3-EPA3-3	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	3	Removal of a urinary catheter prior to discontinuation of epidural analgesia is associated with an increased risk of post-operative urinary retention in patients undergoing surgical correction for adolescent idiopathic scoliosis
ANE002001	1-3-EPA2-3	Oral	English Presentation Award 2	Thursday, Apr. 18	9:10	10:14	Room 3	Conference Center 5F Meeting Room 501	3	Repeat surgeries after decompression and fusion surgeries for degenerative spinal diseases depending on cervical and lumbar regions: National population-based cohort study
ANE002017	1-3-EPA5-3	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	3	Risk factors and progression rate of sacroiliac joint degeneration in asymptomatic subjects
ANE002048	1-3-EPA6-2	Oral	English Presentation Award 6	Thursday, Apr. 18	17:15	18:19	Room 3	Conference Center 5F Meeting Room 501	2	Stability of biportal arthroscopic lumbar discectomy from the change of cervical epidural pressure : A cross-sectional cohort study
ANE002071	1-3-EPA4-3	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	3	The flexibility of scoliosis in Prader-Willi syndrome (PWS)
ANE002063	1-3-EPA4-2	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	2	The Impact of Lumbar Lordosis on Surgical Results of Long Adult Deformity Fusion to L5 - minimum 2 years -
ANE002062	1-3-EPA4-1	Oral	English Presentation Award 4	Thursday, Apr. 18	14:40	15:44	Room 3	Conference Center 5F Meeting Room 501	1	The Importance of Combined Anterior Column Realignment Compared to PSO only for Severe Rigid Sagittal Plane Deformity
ANE002083	1-3-EPA2-5	Oral	English Presentation Award 2	Thursday, Apr. 18	9:10	10:14	Room 3	Conference Center 5F Meeting Room 501	5	The position and distance of the aorta from the vertebra in relation with the magnitude of the Lenke 1 & 2 scoliotic curve.
ANE002032	1-3-EPA1-3	Oral	English Presentation Award 1	Thursday, Apr. 18	8:00	9:04	Room 3	Conference Center 5F Meeting Room 501	3	The risk factors of radiographic adjacent segment degeneration in patients with adolescent idiopathic scoliosis received posterior spinal fusion: A minimum of 10-year follow-up
ANE002054	1-3-EPA5-1	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	1	The Severity of Cervical Disc Degeneration does not impact on the improvement after Laminoplasty for the patient with Cervical Spondylotic Myelopathy
ANE002020	1-3-EPA5-6	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	6	Transforming growth factor beta promotes proliferation of microglia in injured ganglions.
ANE002064	1-3-EPA5-7	Oral	English Presentation Award 5	Thursday, Apr. 18	16:00	17:04	Room 3	Conference Center 5F Meeting Room 501	7	Transplantation of Neural Stem/Progenitor Cell Derived from Human iPS cells with a Gamma-secretase Inhibitor Treatment Promotes Motor Functional Recovery and Axonal Regrowth after Chronic Spinal Cord Injury
ANE002086	1-3-EPA3-2	Oral	English Presentation Award 3	Thursday, Apr. 18	10:20	11:24	Room 3	Conference Center 5F Meeting Room 501	2	Treatment of complex basilar invagination and irreducible atlantoaxial dislocation: A 5-year follow-up study
ANE002065	1-3-EPA2-4	Oral	English Presentation Award 2	Thursday, Apr. 18	9:10	10:14	Room 3	Conference Center 5F Meeting Room 501	4	Uniplanar pedicle screw for vertebral derotation of scoliosis - a biomechanical study