

Abstract Submission ID	Presentation No.	Session category	Session No.	Session theme	Venue	Date	Start of session	End of session	Order	Abstract title
id001	1-4-EPA1-2	English Presentation Award	1	Basic science	Room 4	April 21 (Thurs)	8:10	9:00	2	The muscle evoked potential after spinal cord stimulation as a monitor for the corticospinal tract: Studies by collision technique and double train stimulation
id003	1-4-EPA2-1	English Presentation Award	2	Cervical spine	Room 4	April 22 (Thurs)	9:20	10:10	1	Effects of diabetes on pain and patient-reported outcome measures one year after laminoplasty for cervical spondylotic myelopathy
id004	1-4-EPA2-3	English Presentation Award	2	Cervical spine	Room 4	April 23 (Thurs)	9:20	10:10	3	Retrospective comparison of anterior decompression and fusion and muscle-preserving selective laminectomy in patients with degenerative cervical myelopathy
id005	P32-4	Poster	32	English session-2	Poster Room	April 24 (Thurs)	16:00	16:30	4	Hidden blood loss following 2- to 3- level posterior lumbar fusion
id006	P32-5	Poster	32	English session-2	Poster Room	April 25 (Thurs)	16:00	16:30	5	Impact of sagittal spinopelvic alignment on patients undergoing decompression surgery for lumbar spinal stenosis
id007	P33-3	Poster	33	English session-3	Poster Room	April 26 (Thurs)	15:30	16:00	3	Lateral mass intra-pedicular screw fixation for subaxial cervical spines: An alternative surgical technique
id008	1-4-EPA1-4	English Presentation Award	1	Basic science	Room 4	April 27 (Thurs)	8:10	9:00	4	Expression and function of fibroblast growth factor 1 in the hypertrophied ligamentum flavum of lumbar spinal stenosis
id010	1-4-EPA4-3	English Presentation Award	4	Thoracolumbar spine	Room 4	April 28 (Thurs)	15:10	16:00	3	Morphological characteristics of DISH in patients with OPLL and its association with high-sensitivity CRP: Inflammatory DISH
id011	1-4-EPA1-6	English Presentation Award	1	Basic science	Room 4	April 29 (Thurs)	8:10	9:00	6	Ossified lesion progression reflected by serum periostin level in patients with ossification of the posterior longitudinal ligament
id012	P32-6	Poster	32	English session-2	Poster Room	April 30 (Thurs)	16:00	16:30	6	A prospective cohort study of en-block open door laminoplasty: Usage of a monocoque plate-spacer
id013	P32-3	Poster	32	English session-2	Poster Room	April 31 (Thurs)	16:00	16:30	3	Characteristics and methodological quality of frailty scales for spine patients use: A systematic review part 1
id014	P31-2	Poster	31	English session-1	Poster Room	April 32 (Thurs)	15:30	16:00	2	Which frailty scales are feasible and valid for patients with adult spinal deformity?: A systematic review part 2
id016	1-4-EPA1-3	English Presentation Award	1	Basic science	Room 4	April 33 (Thurs)	8:10	9:00	3	Do intra-operative neurophysiological changes during decompressive surgery for cervical myeloradiculopathy impact functional outcome?: A prospective study
id018	1-4-EPA3-4	English Presentation Award	3	Spinal deformity	Room 4	April 34 (Thurs)	10:30	11:20	4	Impact of coronal lower extremity deformity on degenerative lumbar scoliosis: A retrospective cohort study of community-dwelling adult volunteers
id020	1-4-EPA4-4	English Presentation Award	4	Thoracolumbar spine	Room 4	April 35 (Thurs)	15:10	16:00	4	Risk factors for residual back pain after balloon kyphoplasty for osteoporotic vertebral fracture
id021	1-4-EPA1-1	English Presentation Award	1	Basic science	Room 4	April 36 (Thurs)	8:10	9:00	1	Directly reprogrammed human neural progenitor cells promotes functional recovery for cervical spinal cord injury
id022	1-4-EPA4-1	English Presentation Award	4	Thoracolumbar spine	Room 4	April 37 (Thurs)	15:10	16:00	1	Life expectancy is poor in patients with diffuse idiopathic skeletal hyperostosis-related pyogenic vertebral osteomyelitis
id023	P33-5	Poster	33	English session-3	Poster Room	April 38 (Thurs)	15:30	16:00	5	Characteristics of cervical spinal injury with ossification of posterior longitudinal ligament
id024	1-4-EPA2-6	English Presentation Award	2	Cervical spine	Room 4	April 39 (Thurs)	9:20	10:10	6	The impact of craniocervical traction and helicopter emergency medical services on the early reduction of cervical spine dislocation in a rural area of Japan

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id026	P32-1	Poster	32	English session-2	Poster Room	April 40 (Thurs)	16:00	16:30	1	A novel radiological scoring system for the diagnosis of far-out syndrome
id027	1-4-EPA2-4	English Presentation Award	2	Cervical spine	Room 4	April 41 (Thurs)	9:20	10:10	4	Delirium risk score in elderly patients with cervical spinal cord injury and/or cervical fracture: JASA Multicenter study including 1506 cases
id028	P33-1	Poster	33	English session-3	Poster Room	April 42 (Thurs)	15:30	16:00	1	A novel method of selecting the upper instrumented vertebra for adolescent idiopathic scoliosis Lenke type 2 curves: The modified S-line
id029	1-4-EPA3-5	English Presentation Award	3	Spinal deformity	Room 4	April 43 (Thurs)	10:30	11:20	5	Impact of gelatin-thrombin matrix sealant on blood loss in adolescent idiopathic scoliosis undergoing posterior spinal fusion: An interrupted time series study
id031	1-4-EPA2-5	English Presentation Award	2	Cervical spine	Room 4	April 44 (Thurs)	9:20	10:10	5	Characteristics and prognosis of traumatic cervical spine injury in the elderly by injury mechanism: JASA multicenter study of 1,512 cases
id032	1-4-EPA4-2	English Presentation Award	4	Thoracolumbar spine	Room 4	April 45 (Thurs)	15:10	16:00	2	Age-related differences in lower extremity muscle tightness and low back pain in young baseball players: A cross-sectional study of 1228 players aged 6 to 16 years
id033	1-4-EPA3-2	English Presentation Award	3	Spinal deformity	Room 4	April 46 (Thurs)	10:30	11:20	2	Clinically significant changes in pain along the Pain Intensity Numerical Rating Scale in patients with chronic low back pain
id034	P33-6	Poster	33	English session-3	Poster Room	April 47 (Thurs)	15:30	16:00	6	Short term therapeutic effect of a novel condoliase injection treatment for lumbar disc herniation
id035	P31-6	Poster	31	English session-1	Poster Room	April 48 (Thurs)	15:30	16:00	6	A prospective multicenter study using magnetic resonance imaging at 3-months in patients with subsequent domino osteoporotic vertebral fracture
id037	P33-6	Poster	33	English session-3	Poster Room	April 49 (Thurs)	15:30	16:00	6	Impact of restriction of hip extension on whole-body sagittal alignment: Prospective analysis in case with hip arthroplasty
id038	P33-2	Poster	33	English session-3	Poster Room	April 50 (Thurs)	15:30	16:00	2	Complications and alignment change after implant removal in adolescent idiopathic scoliosis
id039	1-4-EPA3-6	English Presentation Award	3	Spinal deformity	Room 4	April 51 (Thurs)	10:30	11:20	6	Intraoperative blood loss in corrective surgery for adolescent idiopathic scoliosis is increased in thoracic kyphosis
id040	P32-2	Poster	32	English session-2	Poster Room	April 52 (Thurs)	16:00	16:30	2	The clinical outcomes and interbody fusion rate of Full-endoscopic KLIF for treating degenerative lumbar spondylolisthesis at one year postoperatively
id041	P31-5	Poster	31	English session-1	Poster Room	April 53 (Thurs)	15:30	16:00	5	Important findings for diagnosis of thoracolumbar vertebral fracture in patients with osteoporosis
id042	1-4-EPA3-3	English Presentation Award	3	Spinal deformity	Room 4	April 54 (Thurs)	10:30	11:20	3	Transforaminal epidural injection of Platelet rich plasma for lumbar disc herniation: A double-blinded Randomize controlled trial
id045	1-4-EPA1-5	English Presentation Award	1	Basic science	Room 4	April 55 (Thurs)	8:10	9:00	5	Loss of function in <i>Ank</i> gene causes aberrant mineralization and acquisition of osteoblast-like-phenotype in the cells of annulus fibrosus
id046	P31-3	Poster	31	English session-1	Poster Room	April 56 (Thurs)	15:30	16:00	3	Association of intraoperative factors and postoperative delirium in patients undergoing spinal surgery: A retrospective cohort study
id047	P31-4	Poster	31	English session-1	Poster Room	April 57 (Thurs)	15:30	16:00	4	Preoperative malnutrition is related to postoperative major complications in degenerative cervical myelopathy: A matched analysis using propensity scores
id048	1-4-EPA2-2	English Presentation Award	2	Cervical spine	Room 4	April 58 (Thurs)	9:20	10:10	2	Is blood loss greater in elderly patients under antiplatelet or anticoagulant medication for cervical spine injury surgery? Japanese multicenter study (JASA)

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id049	P31-1	Poster	31	English session-1	Poster Room	April 59 (Thurs)	15:30	16:00	1	Usefulness of 2 levels single-position LIF-PPS fixation using O-ram based navigation
id050	1-4-EPA3-1	English Presentation Award	3	Spinal deformity	Room 4	April 60 (Thurs)	10:30	11:20	1	Scoliosis in SMA: How common is the disease in India? Analysis of subtypes, functional status, impact of medical therapy and surgical management with QOL assessment
id051	1-4-EPA4-5	English Presentation Award	4	Thoracolumbar spine	Room 4	April 61 (Thurs)	15:10	16:00	5	Quadriceps motor power recovery after nerve root preservation dissection following L3 total en bloc spondylectomy
id064	1-4-EPA4-6	English Presentation Award	4	Thoracolumbar spine	Room 4	April 62 (Thurs)	15:10	16:00	6	Free hand technique for thoracolumbar pedicle screw insertion without c-arm in scoliotic surgery