

The 46th Annual Meeting of the Japanese Society for Spine Surgery and Related Research
The First Day—April 13 (Thursday)

Venue		8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00
Gei Sapporo Ro ynton Sapporo	Room 1 Nitori Culture Hall (1F)	Opening Remarks	Symposium 1 Current status and future view of Lateral Lumbar Interbody Fusion 1-1-S1-1~6 P.181~183		Video Session Know the tips of expert 1-1-VS-1~5 P.184~186		Luncheon Seminar 1 Junichi Kunogi 1-1-LS1 P.186	Business Meeting	Presidential Address Yoichi Shimada 1-1-PA P.187	Plenary Lecture 1 Kuniyoshi Abumi 1-1-PL1 P.187	Debate 1 Correction surgery for adult spinal deformity: LLIF vs Osteotomy 1-1-DB1-1~2 P.188	Debate 2 Spondylodiscitis: Fusion vs Endoscopic surgery 1-1-DB2-1~2 P.189	Evening Seminar 1 Hirotsuka Haro 1-1-ES1 P.190
	Room 2 Royton Hall B+C (3F)		Main Theme 1 Verification of the assessment tools for spinal disorders (JOACMEQ, JOABPEQ) 1-2-M1-1~6 P.190~193	Main Theme 2 Current status and future of spinal cord regeneration 1-2-M2-1~6 P.193~196	Main Theme 3 Advances of imaging in the diagnosis of spinal diseases 1-2-M3-1~6 P.196~199		Luncheon Seminar 2 Satoshi Soen 1-2-LS2 P.199						19:30~ 21:00 Welcome Reception
	Room 3 Royton Hall D (3F)		Invited Lecture 1 Shih-Tien Wang 1-3-IL1 P.200	Invited Lecture 2 Ram Chaddha 1-3-IL2 P.201	Invited Lecture 3 Whoan Jeang Kim 1-3-IL3 P.202		Luncheon Seminar 3 Eiji Abe 1-3-LS3 P.202						
	Room 4 Empress Hall (2F)		Free Papers 1 Ossification of spinal ligaments 1 1-4-F1-1~6 P.203~205	English Presentation Session 1 Infection 1-4-EPS1-1~5 P.206~208	English Presentation Session 2 Infection & Trauma 1-4-EPS2-1~5 P.208~210	English Presentation Session 3 Trauma 1-4-EPS3-1~5 P.211~213		Luncheon Seminar 4 Hirotsuka Chikuda 1-4-LS4 P.213		English Presentation Award Infection & Trauma 1-4-EPA-1~9 P.214~218			Evening Seminar 2 Tokumi Kanemura 1-4-ES2 P.218
	Room 5 Regent Hall (2F)		Free Papers 2 Cervical spine 1-5-F2-1~6 P.219~221	Free Papers 3 Cervical spine: Radiological diagnosis 1-5-F3-1~6 P.222~224	Free Papers 4 Cervical spinal alignment 1-5-F4-1~6 P.225~227	Free Papers 5 Cervical myelopathy 1-5-F5-1~6 P.228~230		Luncheon Seminar 5 Shunsuke Fujibayashi Toshiaki Kotani 1-5-LS5-1~2 P.231		Main Theme 4 Treatment of chronic pain derived from spine 1-5-M4-1~6 P.232~234	Free Papers 6 Dialysis associated spondylosis 1-5-F6-1~5 P.235~237		Evening Seminar 3 Hiroaki Konishi 1-5-ES3 P.237
	Room 6 Highness Hall (2F)		Free Papers 7 Lumbar spine: Epidemiology 1-6-F7-1~6 P.238~240	Free Papers 8 Lumbar spine: Diagnosis, evaluation 1-6-F8-1~6 P.241~243	Free Papers 9 LIF: Anatomy 1-6-F9-1~6 P.244~246	Free Papers 10 LIF: Complication 1-6-F10-1~6 P.247~249		Luncheon Seminar 6 Tomoaki Toyone 1-6-LS6 P.250		Free Papers 11 Osteoporotic vertebral fracture: Evaluation 1-6-F11-1~6 P.250~253	Free Papers 12 Scoliosis: Surgery 1 1-6-F12-1~6 P.253~256		Evening Seminar 4 Seiji Ohtori 1-6-ES4 P.256
	Room 7 Castle (1F)		Free Papers 13 Diagnostic imaging 1 1-7-F13-1~6 P.257~259	Free Papers 14 Diagnostic imaging 2 1-7-F14-1~6 P.260~262	Free Papers 15 Ankylosing spinal disorders 1-7-F15-1~6 P.263~265	Free Papers 16 Ankylosing spinal hyperostosis, thoracic spine 1-7-F16-1~6 P.266~268		Luncheon Seminar 7 Toshinori Sakai 1-7-LS7 P.269		Free Papers 17 Upper cervical 1 1-7-F17-1~6 P.269~272	Free Papers 18 Upper cervical 2 1-7-F18-1~6 P.272~275		Evening Seminar 5 Masashi Neo 1-7-ES5 P.275
	Room 8 Pearl Hall AB (20F)		Free Papers 19 Pyogenic spondylitis 1 1-8-F19-1~6 P.276~278	Free Papers 20 Pyogenic spondylitis 2 1-8-F20-1~6 P.279~281	Free Papers 21 Scoliosis: Basic research 1-8-F21-1~6 P.282~284	Free Papers 22 Scoliosis: Assessment 1-8-F22-1~6 P.285~287		Luncheon Seminar 8 Kevin Tschöke 1-8-LS8 P.288		Free Papers 23 Spinal cord tumor 1-8-F23-1~6 P.288~291	Free Papers 24 Spinal tumor and spinal cord tumor 1-8-F24-1~6 P.291~294		Evening Seminar 6 Ken Ishii Shizuko Kosugi 1-8-ES6 P.294
Poster Room Horai+Zuisetsu, Gyokuyo Reimei, Seiryu, Suzuran (3F)		Poster Preparation				Poster Display		Poster Display		Poster Presentation			

The Second Day—April 14(Friday)

Venue		7:00	8:00	9:00	10:00	11:00	12:00	
Royton Sapporo	Room 1 Nitori Culture Hall (1F)			40 Symposium 2 Frontline of correction surgery for cervical deformity 2-1-S2-1~6 P.431~433	10 30 Panel Discussion Current status and future challenge for spinal biomechanics by medical-biological engineering collaboration 2-1-PD-1~6 P.434~436	15 Luncheon Seminar 9 Osamu Honmou 2-1-LS9 P.437		
	Room 2 Royton Hall B+C (3F)		30 50 Main Theme 5 Strategy for the treatment of vertebral fractures with severe osteoporosis 2-2-M5-1~6 P.441~444	40 00 Main Theme 6 Diagnosis and treatment of spinal cord tumor 2-2-M6-1~6 P.444~447	50 Main Theme 7 Pathology of the spine in Rheumatoid Arthritis 2-2-M7-1~6 P.447~450	15 Luncheon Seminar 10 Hiroshi Taneichi 2-2-LS10 P.450		
	Room 3 Royton Hall D (3F)		40 Invited Lecture 4 Gianluca Vadalà 2-3-IL4 P.460	50 Invited Lecture 5 Robert K. Eastlack 2-3-IL5 P.461	00 Invited Lecture 6 Michael Paul Grevitt 2-3-IL6 P.461	15 Luncheon Seminar 11 Yoshiharu Kawaguchi 2-3-LS11 P.462		
	Room 4 Empress Hall (2F)	30 Morning Seminar 1 Takashi Kaito 2-4-MS1 P.464	28 30 Free Papers 25 Adult deformity: Diagnosis 2-4-F25-1~6 P.465~467	18 20 Free Papers 26 Adult deformity: Assessment 2-4-F26-1~6 P.468~470	08 10 Free Papers 27 Adult deformity: Alignment, quality of life 2-4-F27-1~6 P.471~473	58 Free Papers 28 Adult deformity: Correction 1 2-4-F28-1~6 P.474~476	15 Luncheon Seminar 12 Masahito Kawatani 2-4-LS12 P.477	
	Room 5 Regent Hall (2F)	30 Morning Seminar 2 Masahiko Takahata 2-5-MS2 P.490	28 30 Free Papers 33 Minimally invasive decompression 1 2-5-F33-1~6 P.490~493	18 20 Free Papers 34 Minimally invasive decompression 2 2-5-F34-1~6 P.493~496	08 10 Free Papers 35 Minimally invasive fusion 1 2-5-F35-1~6 P.497~500	58 Free Papers 36 Minimally invasive fusion 2 2-5-F36-1~6 P.500~503	15 Luncheon Seminar 13 Kazuhiro Hasegawa 2-5-LS13 P.503	
	Room 6 Highness Hall (2F)		28 30 Free Papers 41 Scoliosis: Surgery 2 2-6-F41-1~6 P.516~518	18 20 Free Papers 42 Scoliosis: Surgery 3 2-6-F42-1~6 P.519~521	08 10 Free Papers 43 Posterior cervical surgery 1 2-6-F43-1~6 P.522~524	58 Free Papers 44 Posterior cervical surgery 2 2-6-F44-1~6 P.525~527	15 Luncheon Seminar 14 Jean-Paul Steib 2-6-LS14 P.528	
	Room 7 Castle (1F)	30 Morning Seminar 3 Toshihiro Imamura 2-7-MS3 P.540	28 30 Free Papers 49 Cervical spine trauma 1 2-7-F49-1~6 P.541~543	18 20 Free Papers 50 Cervical spine trauma 2 2-7-F50-1~6 P.544~546	08 10 Free Papers 51 Spinal trauma 2-7-F51-1~6 P.547~549	58 Free Papers 52 Surgical complication 1 2-7-F52-1~6 P.550~552	15 Luncheon Seminar 15 Naohisa Miyakoshi 2-7-LS15 P.553	
	Room 8 Pearl Hall AB (20F)		28 30 Free Papers 57 RA spine 2-8-F57-1~6 P.565~568	18 20 Free Papers 58 Lumbar spondylolysis 2-8-F58-1~6 P.568~571	08 10 Free Papers 59 Monitoring 2-8-F59-1~6 P.571~574	58 Free Papers 60 Monitoring and electrophysiological diagnosis 2-8-F60-1~6 P.574~577	15 Luncheon Seminar 16 Katsushi Takeshita 2-8-LS16 P.577	
Poster Room Horai+Zuisetsu, Gyokuyo Reimei, Seiryu, Suzuran (3F)		00	Poster Display					

Venue		13:00	14:00	15:00	16:00	17:00	18:00	19:00
Geibunkan	Room 1 Nitori Culture Hall (1F)	15 25 Plenary Lecture 2 Joji Mochida 2-1-PL2 P.437	25 Special Lecture Shin-ichi Kikuchi 2-1-SL P.438	55 05 Debate 3 Cervical OPLL : Anterior vs Posterior surgery 2-1-DB3-1~2 P.438~439	05 JSSR Project Report Report of socioeconomic evaluation of clinical pharmacology to chronic low back pain 2-1-PR-1~3 P.439~440	25 35 SV Evening Seminar Norio Kawahara 2-1-SVE P.441		
	Room 2 Royton Hall B+C (3F)			55 15 Main Theme 8 Surgical challenges for severe pediatric spinal deformity 2-2-M8-1~6 P.451~453	05 25 Main Theme 9 Scientific appraisal of minimally invasive spine surgery 2-2-M9-1~6 P.454~456	15 35 Main Theme 10 Pathophysiology and treatment of adult spinal deformity 2-2-M10-1~6 P.457~459	35 Evening Seminar 7 Sumihisa Orita 2-2-ES7 P.460	
	Room 3 Royton Hall D (3F)			05 Invited Lecture 7 Ziya L. Gokaslan 2-3-IL7 P.462	15 Invited Lecture 8 Claes Olerud 2-3-IL8 P.463	25 Invited Lecture 9 Brice Ilharreborde 2-3-IL9 P.463	35 Evening Seminar 8 Hiroshi Hashizume 2-3-ES8 P.464	
	Room 4 Empress Hall (2F)			53 55 Free Papers 29 Adult deformity: Correction 2 2-4-F29-1~6 P.477~480	43 45 Free Papers 30 Adult deformity: Pelvic fixation 2-4-F30-1~6 P.480~483	33 35 Free Papers 31 Metastatic spinal tumor 2-4-F31-1~6 P.483~486	23 Free Papers 32 Surgery for metastatic spinal tumor 2-4-F32-1~6 P.486~489	35 Evening Seminar 9 Hiroshi Kawaguchi 2-4-ES9 P.489
	Room 5 Regent Hall (2F)			28 30 Free Papers 37 LIF: Indirect decompression, correction 2-5-F37-1~6 P.504~506	43 45 Free Papers 38 Lumbar spinal stenosis 2-5-F38-1~6 P.507~509	33 35 Free Papers 39 Spinal alignment 1 2-5-F39-1~6 P.510~512	23 Free Papers 40 Spinal alignment 2 2-5-F40-1~6 P.513~515	
	Room 6 Highness Hall (2F)			28 30 Free Papers 45 Osteoporotic vertebral fractures: Diagnosis 2-6-F45-1~6 P.528~531	43 45 Free Papers 46 Osteoporotic vertebral fractures: Vertebroplasty, kyphoplasty 2-6-F46-1~6 P.531~534	33 35 Free Papers 47 Osteoporotic vertebral fractures: Management 2-6-F47-1~6 P.534~537	23 Free Papers 48 Cervical OPLL 2-6-F48-1~6 P.537~540	
	Room 7 Castle (1F)			28 30 Free Papers 53 Surgical complication 2 2-7-F53-1~6 P.553~556	43 45 Free Papers 54 Surgical site infection: Risk factors 2-7-F54-1~6 P.556~559	33 35 Free Papers 55 Surgical site infection: Examination 2-7-F55-1~6 P.559~562	23 Free Papers 56 Surgical site infection: Prevention 2-7-F56-1~6 P.562~565	
	Room 8 Pearl Hall AB (20F)			28 30 Free Papers 61 Spinal cord regeneration 1 2-8-F61-1~6 P.578~580	43 45 Free Papers 62 Spinal cord regeneration 2 2-8-F62-1~6 P.581~583	33 35 Free Papers 63 Basic research 2-8-F63-1~6 P.584~586	23 Free Papers 64 Basic research of intervertebral disc 2-8-F64-1~6 P.587~589	
	Poster Room Horai+Zuisetsu, Gyokuyo Reimei, Seiryu, Suzuran (3F)		20	Poster Display		50	Poster Presentation	

The Third Day-April 15(Saturday)

Venue		7 : 00	8 : 00	9 : 00	10 : 00	11 : 00	12 : 00
Geibukkan Sapporo	Room 1 Nitori Culture Hall (1F)		Symposium 3 Evaluation and application of health check for spinal disorders in normal population 3-1-S3-1~6 P.713~715			Debate 4 Pedicule screwing of lumbar spine: CBT vs Conventional procedure 3-1-DB4-1~2 P.716	Closing Remarks
	Room 2 Royton Hall B+C (3F)		Main Theme 11 Biomechanics of the spine 3-2-M11-1~6 P.717~719	Main Theme 12 Surgical management for octogenarian patients 3-2-M12-1~6 P.720~722		Main Theme 13 Current topics in cervical instrumentation surgery 3-2-M13-1~6 P.723~725	
	Room 3 Royton Hall D (3F)		Invited Lecture 10 Ki-Tack Kim 3-3-IL10 P.726	Invited Lecture 11 Yen-Mou Lu 3-3-IL11 P.726		Symposium 4 Current status for establishing the board certified spine surgeon 3-3-S4-1~2 P.727	
	Room 4 Empress Hall (2F)		Free Papers 65 Adult deformity: PJK 1 3-4-F65-1~6 P.728~730	Free Papers 66 Adult deformity: PJK 2 3-4-F66-1~6 P.731~733	Free Papers 67 Adult deformity: Complication 3-4-F67-1~6 P.734~736	Free Papers 68 Spinal alignment 3 3-4-F68-1~6 P.737~739	
	Room 5 Regent Hall (2F)		Free Papers 69 Cervical surgery 3-5-F69-1~6 P.740~742	Free Papers 70 Cervical fusion 3-5-F70-1~6 P.743~745	Free Papers 71 Ossification of spinal ligaments 2 3-5-F71-1~6 P.746~748	Free Papers 72 Medical situation and others 3-5-F72-1~6 P.749~751	
	Room 6 Highness Hall (2F)		Free Papers 73 Lumbar spinal fusion 1 3-6-F73-1~6 P.752~754	Free Papers 74 Lumbar spinal fusion 2 3-6-F74-1~6 P.755~757	Free Papers 75 Lumbar spine: Radiological diagnosis 3-6-F75-1~6 P.758~760	Free Papers 76 Lumbar surgery and others 3-6-F76-1~6 P.761~763	
	Room 7 Castle (1F)		Free Papers 77 Trunk muscles in sarcopenia 3-7-F77-1~6 P.764~766	Free Papers 78 Spinal alignment in sarcopenia 3-7-F78-1~6 P.767~769	Free Papers 79 Rehabilitation in sarcopenia 3-7-F79-1~6 P.770~772	Free Papers 80 Surgical management for octogenarian patients 3-7-F80-1~6 P.773~775	
	Room 8 Pearl Hall AB (20F)		Free Papers 81 Scoliosis: Radiological evaluation, conservative treatment 3-8-F81-1~6 P.776~778	Free Papers 82 Scoliosis: Neuromuscular, syndrome, complication 3-8-F82-1~6 P.779~781	Free Papers 83 Severe pediatric deformity 3-8-F83-1~6 P.782~784	Free Papers 84 Chronic pain 3-8-F84-1~6 P.785~787	
	Poster Room Horai+Zuisetsu, Gyokuyo Reimei, Seiryu, Suzuran (3F)		Poster Display				Poster Removal

Royton Sapporo

Geibukkan
Sapporo