

The Third Day—April 18 (Saturday)

Room 1

Free Papers 69

9 : 00~ 9 : 50

Moderator : M. Doita

Minimally invasive spinal stabilization and fusion 1

- 3-1-F69-1 Post-operative neurological disorder due to the surgeries in OLIF/XLIF patients 629
S. Orita, et al., Dept. of Orthop. Surg., Chiba Univ. School of Medicine
- 3-1-F69-2 Risk factors in post-operative neurological disorders in OLIF/XLIF patients 629
S. Orita, et al., Dept. of Orthop. Surg., Chiba Univ. School of Medicine
- 3-1-F69-3 The morphometric study of L4-L5 lumbar spine in L4 spondylolisthesis.-Feasibility analysis for Oblique Lateral Interbody Fusion approach- 630
Y. Hori, et al., Dept. of Orthop. Surg., Shiraniwa Hosp.
- 3-1-F69-4 Comparison of psoas muscle injury between OLIF and XLIF 630
K. Nakamura, et al., Dept. of Orthop. Yoshikawa Hospital
- 3-1-F69-5 Learning curve of the surgical technique of XLIF 631
T. Nakajima, et al., Dept. of Orthopedic Surgery, Nippon Medical School, Chiba Hokusoh Hospital
- 3-1-F69-6 Physical characteristics of the difficult approach cases in Oblique Lateral Interbody Fusion 631
K. MANDAI, et al., Shiraniwa Hospital spine center

Free Papers 70

9 : 50~10 : 40

Moderator : S. Otori

Minimally invasive spinal stabilization and fusion 2

- 3-1-F70-1 The indirect decompression by extreme lateral interbody fusion (XLIF) 632
S. Okada, et al., Department of Orthopaedic Surgery, Wakayama medical University
- 3-1-F70-2 Accuracy of percutaneous pedicle screw fixations in lumbosacral fusion -Comparison between LICAP technique and open technique 632
Y. Tani, et al., Department of Orthopaedic Surgery Kansai Medical University
- 3-1-F70-3 Experience of 100 Consecutive Spine Reconstructions using Cortical Bone Trajectory (CBT) screws vs Traditional Pedicle Screws 633
G. Ivan, et al., Dept. of Orthop. Surg., Steel Memorial Muroran Hospital
- 3-1-F70-4 Evaluation of the bone fusion rate of posterior lumbar interbody fusion using cortical bone trajectory methods- Analysis of the risk factor for endplate cysts - 633
K. Nishizawa, et al., Dept. of Orthop. Surg., Shiga Univ. of Medical Science

3-1-F70-5	Comparison of one-level and two-level posterior lumbar interbody fusion performed with a cortical bone trajectory or a conventional posterior lumbar interbody fusion.....	634
	<i>K. Ninomiya, et al.</i> , Dept. of Orthop. Surg., Tokyo Dental College Ichikawa General Hospital	
3-1-F70-6	A trial study of the CBT-TLIF using the ME-MILD approach in the procedure of posterior lumbar fusion.....	634
	<i>Y. Yuzawa, et al.</i> , Iwai Orthopaedic Medical Hospital	

Break

Debate 3

11 : 00~12 : 20

Moderator : **N. Kawakami**

Adult spinal deformity : Conventional method vs. Minimum invasive surgery

3-1-DB3-1	Keys of successful surgical treatment for adult spinal deformities are aggressive deformity correction to obtain physiological spinal alignment and ergonomic balance.....	635
	<i>H. Taneichi</i> , Dept. of Orthop. Surg., Dokkyo Medical Univ. School of Medicine	
3-1-DB3-2	Correction surgery for adult spinal deformity : controversy and future direction	635
	<i>M. Iwasaki, et al.</i> , Dept. of Orthop. Surg., Osaka Rosai Hospital	
3-1-DB3-3	Spinal realignment of adult spinal deformity using MIS technique	636
	<i>T. Saito, et al.</i> , Dept. of Orthop. Surg., Kansai Medical Univ. Takii Hosp.	
3-1-DB3-4	Posterior-anterior fusion surgery for adult spinal kyphoscoliosis.....	636
	<i>S. Ohtori, et al.</i> , Dept. of Orthop. Surg., Chiba Univ. School of Medicine	

Room 2

Invited Lecture 9

9 : 00~10 : 00

Moderator : **M. Neo**

3-2-IL9	The Development and Evolving Concept in Minimally Invasive Spinal Surgery. Taiwan's Perspective.....	637
	<i>Tsung-Jen Huang</i> , Department of Orthopedic Surgery, Chang Gung Memorial Hospital, Chang Gung University, Taiwan	

Break

Main Theme 9

10 : 10~11 : 00

Moderator : Y. Tokuhashi

Recent treatment strategies and these results for metastatic spinal tumor

- 3-2-M9-1 Treatment for spinal metastasis of breast cancer using bone modifying agents 637
I. Baba, et al., Dept. of Orthop. Surg., Osaka Medical College
- 3-2-M9-2 Efficacy of zoledronate and posterior fusion against metastatic spinal tumors : evaluation of bone strength using finite element analysis 638
H. Takaishi, et al., Institute of Med. Sci., Tokyo Medical University
- 3-2-M9-3 Outcome of the less invasive palliative surgery for spinal metastases 638
H. Uei, et al., Dept. of Orthop. Surg., Nihon Univ. School of Medicine
- 3-2-M9-4 No local Recurrence from Frozen Tumor-bearing Autografts inside a cage after Total En bloc Spondylectomy 639
T. Igarashi, et al., Dept. of Orthopaedic Surgery, Kanazawa University Hospital
- 3-2-M9-5 Minimally Invasive spine Stabilization (MIS_t) for metastatic spinal tumor 639
T. Hikata, et al., Dept. of Orthop. Surg., Keio Univ. School of Medicine
- 3-2-M9-6 Clinical outcome of bone metastasis board 640
K. Kakutani, et al., Department of Orthopaedic Surgery, Kobe University Graduate School of Medicine

Main Theme 10

11 : 00~11 : 50

Moderator : M. Yamasaki

Pitfall and troubleshooting in spine surgery

- 3-2-M10-1 Pitfall and tips of cervical spine surgery using navigation system 640
N. Shimokawa, Spine Center, Tsukzaki Hospital, Himeji, Japan
- 3-2-M10-2 Misconception of operative level of spinal surgery 641
H. Nagahari, et al., Heiwa Hospital, Yokohama Spine Center
- 3-2-M10-3 Complication and precaution of microendoscopic spine surgery 641
Y. Nakagawa, et al., Dept. of Orthop. Surg., Wakayama Medical University
- 3-2-M10-4 Evacuation surgery for postoperative spinal epidural hematoma 642
H. Manabe, et al., Dept. of Orthop. Surg., Hiroshima City Asa Hospital
- 3-2-M10-5 Strategy for pneumothorax during extrapleural and retroperitoneal approach 642
T. Kotani, et al., Dept. of Orthop. Surg., Seirei Sakura Citizen Hosp.
- 3-2-M10-6 Pitfall in total en bloc spondylectomy after radiotherapy 643
N. Yokogawa, et al., Dept. of Orthop. Surg., Kanazawa Univ.

Room 3

Morning Seminar 3

7 : 50~8 : 50

Moderator : **Y. Fujimoto**

- 3-3-MS3 Problems of osteoporotic fractures 643
M. Matsushita, Dept. of Orthop. Surg., Kurashiki Central Hospital, Kurashiki city, Okayama, Japan

Break

Free Papers 71

9 : 00~9 : 50

Moderator : **T. Hasegawa**

Lumbar disc herniation

- 3-3-F71-1 Preoperation evaluation of lumbar stenosis in the lumbar disc herniation 644
F. Tanabe, et al., Dept. of Orthop. Surg., Graduate School of Medical and Dental Sciences, Kagoshima University
- 3-3-F71-2 Comparative study according to the approach in percutaneous endoscopic discectomy (PED) for L4/5 disc herniation 644
M. Sato, Dept. of Orthop. Surg., Atago Hospital, Kouchi, Japan
- 3-3-F71-3 Preoperative planning using 3-D MRI/CT fusion imaging for percutaneous endoscopic interlaminar discectomy 645
J. Hirayama, et al., Dept. of Orthop and Spine. Surg., Chiba Medical Center
- 3-3-F71-4 Surgical approach for cranially migrated lumbar disc herniation compressing the adjacent nerve root 645
Y. Ueda, et al., 1Department of Orthopaedic Surgery, Fukui Prefectural Hospital, Fukui-city
- 3-3-F71-5 A study of cases for canceled operation of lumbar disk herniation 646
Y. Kamba, et al., Dept. of Spine. Surg., JCHO Tamatsukuri hospital
- 3-3-F71-6 Reoperation following the lumbar microendoscopic discectomy and microendoscopic laminotomy 646
T. Aihara, et al., Department of orthopedic surgery, Funabashi Orthopedic Hospital, Funabashi-city, Japan

Free Papers 72

9 : 50~10 : 40

Moderator : **Y. Ito**

Cervical spinal anatomy/epidemiology

- 3-3-F72-1 Is anterior cervical approach on the right side safe? : Frequency of Nonrecurrent Inferior Laryngeal Nerve. 647
Y. Abe, et al., Dept. of Orthop. Surg., Eniwa Hospital

3-3-F72-2	Frequency of PICA end vertebral artery : variation which should be taken care during cervical surgery 647 <i>T. Aoyama, et al.</i> , Spine Center, Dept. of Orthop. Surg., Teine Keijinkai Hospital
3-3-F72-3	Evaluation of the deep cervical artery using the MRI 648 <i>A. Ono, et al.</i> , Dept. of Orthop. Surg, Hirosaki Memorial Hospital
3-3-F72-4	Vertebral Artery Injury associated with Cervical Spine Trauma 648 <i>H. Ohashi, et al.</i> , Dept. of Orthop. Surg., Kobe Red Cross Hospital
3-3-F72-5	Facetectomy can widen the foraminal diameter more than foraminotomy to prevent iatrogenic foraminal stenosis after cervical pedicle screw fixation 649 <i>A. Yamazaki, et al.</i> , Spine Center, Dept. of Orthop. Surg., Niigata Central Hospital
3-3-F72-6	Perforation rate of cervical pedicle screw among navigation system 649 <i>M. Uehara, et al.</i> , Dept. of Orthop. Surg., Shinshu Univ. School of Medicine

Free Papers 73

10 : 40~11 : 30

Moderator : **H. Hase**

Lumbar spinal surgery

3-3-F73-1	Microendoscopic posterior decompression via the smaller tubular retractor for lumbar spinal canal stenosis 650 <i>K. Nambu, et al.</i> , Dept. of Orthop. Surg., Toyama pref. Saiseikai Takaoka Hospital
3-3-F73-2	Preoperative risk factors of the deep vein thrombosis with lumbar spinal canal stenosis 650 <i>T. Mihara, et al.</i> , Dept. of Orthop. Surg., Tottori Univ. School of Medicine
3-3-F73-3	A clinical result of fenestration for lumbar canal stenosis 651 <i>K. Okamoto, et al.</i> , Dept. of Orthop. Surg., Kobe Century Memorial Hospital
3-3-F73-4	Prevalence of intraspinal facet cysts after decompression surgery for lumbar spinal stenosis 651 <i>K. Kiyasu, et al.</i> , Dept. of Orthop. Surg., Kochi Medical School
3-3-F73-5	Effect of tranexamic acid for intra-and-postoperative blood loss in PLIF 652 <i>J. Kushioka, et al.</i> , Department of Orthopaedic Surgery, Osaka Rosai Hospital, Osaka, Japan
3-3-F73-6	Analysis of facet violation by lumbar pedicle screw 652 <i>Y. Tamaki, et al.</i> , Dept. of Orthop Surg, Japanese Red Cross Society Wakayama Medical Center

Free Papers 74

11 : 30~12 : 20

Moderator : **Y. Aota**

Lumbar foraminal stenosis

3-3-F74-1	Physiological evaluation of lumbar nerve roots in the lumbar intervertebral foramen 653 <i>Y. Morishita, et al.</i> , Dept. of Orthop. Surg., Spinal Injuries Center
3-3-F74-2	Diagnosis for lumbar foraminal stenosis using oblique magnetic resonance imaging 653 <i>S. Shimizu, et al.</i> , Dept. of Orthop. Surg., Narita Memorial Hospital

3-3-F74-3	Nerve root image of Lumbar foraminal disturbance by 3D MRI (Curved Multi Planar Reconstruction method) 654 <i>T. Nemoto, et al.</i> , IZUMI Orthopaedics Hospital
3-3-F74-4	Complication of extraforaminal lesions using 3-D MRI in L4/5 decompression 654 <i>T. Kataoka, et al.</i> , Keiyu Orthopedic Hospital
3-3-F74-5	Differences of stenotic ratio between patients needed surgery and those succeeded conservative treatment for lumbar foraminal stenosis -A novel measurement technique of 3D-MRI using SPACE methods 655 <i>K. Yamada, et al.</i> , Dept. of Orthop. Surg., Eniwa Hospital
3-3-F74-6	Clinical outcomes of facetectomy and posterolateral fusion for L5-S1 foraminal stenosis evaluated using JOABPEQ 655 <i>H. Ataka, et al.</i> , Spine Center, Matsudo Orthopaedic Hospital

Room 4

Free Papers 75

9 : 00 ~ 9 : 50

Moderator : **M. Morishita**

Lumber Spinal fusion 1

3-4-F75-1	A mid-term evaluation of MIS-TLIF in patients with listhesis of lumbar spine 656 <i>T. Saito, et al.</i> , Dept. of Orthop. Surg., Kansai Medical Univ. Takii Hosp.
3-4-F75-2	Middle and long term follow-up results of MIS-TLIF for patients with degenerative lumbar disease 656 <i>A. Wada, et al.</i> , Dept. of Orthop. Surg., Toho Univ. School of Medicine
3-4-F75-3	Adjacent segment degeneration after PLIF 657 <i>S. Okuda, et al.</i> , Dept. of Orthop. Surg., Osaka Rosai Hospital
3-4-F75-4	Risk factors for adjacent segmental disease after MIS-TLIF 657 <i>K. Ono, et al.</i> , Center for Spinal Surg., Nippon Kokan Hospital
3-4-F75-5	Surgical results on adjacent segment disease after lumbar spinal fusion 658 <i>K. Yamasaki, et al.</i> , Sonoda medical institute tokyo spine center
3-4-F75-6	Examination of results due to differences in the insertion position of the cage in TLIF 658 <i>Y. Wakayama, et al.</i> , Dept. of Orthop. Surg., Yokosuka Kyousai Hospital

Free Papers 76

9 : 50 ~ 10 : 40

Moderator : **Y. Kawaguchi**

Lumber Spinal fusion 2

3-4-F76-1	Influence of cranial fusion segments for successful bone union of L5/S fusion 659 <i>Y. Murata, et al.</i> , Dept. of Orthop. Surg., Tokyo Women's Medical Univ. School of Medicine
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3-4-F76-2	Surgical results for PLIF with adjacent segment decompression 659 <i>H. Tobimatsu, et al.</i> , Dept. of Orthop. Surg., Osaka National Hospital
3-4-F76-3	A 5-year prospective study into whether pseudarthrosis after posterior lumbar interbody fusion (PLIF) causes lower back pain 660 <i>T. Kanemura, et al.</i> , Spine Center, Konan Kosei Hospital
3-4-F76-4	Bone graft using titanium spacer of minimally invasive transforaminal lumbar interbody fusion 660 <i>M. Tamura, et al.</i> , Heiwa Hospital, Yokohama Spine Center
3-4-F76-5	Comparison of bony fusion in PLIF with various intervertebral implants 661 <i>S. Tomita, et al.</i> , Dept. of Orthop. Surg., Saiseikai Ibaraki Hospital, Osaka, Japan
3-4-F76-6	Comparison of bone union rate in one intervertebral TLIF between diabetic patients and non-diabetic ones 661 <i>N. Akiyama, et al.</i> , Hino Memorial Hospital

Free Papers 77

10 : 40~11 : 30

Moderator : S. Fujibayashi

Lumber Spinal fusion 3

3-4-F77-1	Surgical results of anterior reconstruction surgery for osteoporotic vertebral fracture 662 <i>K. Utagawa, et al.</i> , Dept. of Orthop. Surg., Kudanzaka Hospital
3-4-F77-2	Long term follow-up study of mini-open anterior lumbar interbody fusion 662 <i>T. Takahata, et al.</i> , Okayama Medical Center
3-4-F77-3	Comparizon of radiographic and clinical outcome between befor and after Anterior Lumbar Interbody Fusion (indirect decompression) with OLIF 663 <i>J. Sato, et al.</i> , Dept.of Orthop.Surg. Graduate School of Medicine Chiba University
3-4-F77-4	Effect of the original muscle retractor for Oblique Lateral Interbody Fusion (OLIF) 663 <i>T. Sakamoto, et al.</i> , Dept. of Orthop. Surg., Osaka Red Cross Hospital
3-4-F77-5	Anatomical analysis regarding lumbar segmental artery in OLIF approach 664 <i>S. Orita, et al.</i> , Dept. of Orthop. Surg., Chiba Univ. School of Medicine
3-4-F77-6	Preoperative assessment of ureter using double-phase contrast enhanced CT 664 <i>S. Fujibayashi, et al.</i> , Dept. of Orthopaedic Surgery, Graduate School of Medicine, Kyoto University

Free Papers 78

11 : 30~12 : 20

Moderator : A. Yamazaki

Lumber Spinal fusion 4

3-4-F78-1	The relationship between JOA scoring system and patient-reported improvement 665 <i>T. Fujimori, et al.</i> , Dept. of Orthop. Surg., Sumitomo Hospital
3-4-F78-2	Lumbar inter-body fusion with micro-endoscope and 18 mm tubular retractor. More than 24 month follow-up 665 <i>H. Inanami, et al.</i> , Dept. of Orthop. Surg., Iwai Orthopaedic Medical Hospital

3-4-F78-3	Sagittal alignment of Pyramesh-LT cage for single level PLIF after 5 years. 666 <i>T. Izumi, et al.</i> , Spine Center, Dept. of Orthop. Surg., Niigata Central Hospital
3-4-F78-4	Indirect neural decompression for spondylolisthesis with lateral lumbar interbody fusion - comparison with direct decompression through PLIF - 666 <i>H. Yamaguchi, et al.</i> , Depart. of Spine & Orthop. Surg., Konan Kosei Hosp.
3-4-F78-5	Surgical outcome of multilevel posterior lumbar interbody fusion for adult degenerative kyphoscoliosis 667 <i>D. Ikegami, et al.</i> , Dept. of Orthop. Surg., Japanese Red Cross society Himeji Hospital
3-4-F78-6	Posterior lumbar Interbody fusion using Cortical bone trajectory (CBT)- Clinical outcome more than a year follow up. 667 <i>N. Shizu, et al.</i> , Dept. of Orthop. Surg., Fujita Health Univ. School of Medicine

Room 5

Morning Seminar 4

7 : 50~8 : 50

Moderator : **T. Hasegawa**

3-5-MS4	Practical pain treatment for spinal and spinal cord diseases 668 <i>N. Tanaka</i> , Dept. of Orthop. Surg., Hiroshima University
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Break

Free Papers 79

9 : 00~ 9 : 50

Moderator : **S. Kawabata**

Monitoring 1

3-5-F79-1	Evaluation of the alarm criteria for transcranial electrical stimulation muscle evoked potential in spinal deformity surgery depending on different clinical diagnoses : Multi-institution survey by the Spinal Cord Monitoring Working Group of the Japanese Society for Spine Surgery and Related Research 668 <i>K. Yamada, et al.</i> , Dept. of Orthop. Surg., Kurume Univ. School of Medicine
3-5-F79-2	Latency change of spinal cord monitoring with Br(E)-CMAP on compressive myelopathy due to OPLL 669 <i>N. Tadokoro, et al.</i> , Dept. of Orthop. Surg., Kochi Medical School
3-5-F79-3	The effectiveness of free run electromyography and triggered electromyography for intraoperative neuromonitoring 669 <i>Y. Nakamura, et al.</i> , Saitama Spine center, Higashisaitama general hospital
3-5-F79-4	Significance of free-running EMG with conventional intraoperative neuromonitoring 670 <i>T. Koike, et al.</i> , Niigata Spine Surgery Center

3-5-F79-5	Usefulness of the Free run EMG monitoring in spinal surgery 670 <i>S. Sumiya, et al.</i> , Department of Orthopaedic Surgery, Tokyo Medical and Dental University
3-5-F79-6	Efficacy of single-modal intraoperative monitoring with compound muscle action potentials (CMAP) in each preoperative diagnosis 671 <i>M. Takahashi, et al.</i> , Dept. of Orthop. Surg., Kyorin Univ. School of Medicine

Free Papers 80

9 : 50~10 : 40

Moderator : **S. Taniguchi**

Monitoring 2

3-5-F80-1	Significance of Intraoperative Spinal Cord Monitoring using the Br-MsEP 671 <i>R. Miyake, et al.</i> , Dept. of Orthop. Surg., Takamatsu Municipal Hospital
3-5-F80-2	Pitfall of intraoperative spinal cord monitoring using Br(E)-MsEP 672 <i>M. Ando, et al.</i> , Dept. of Orthop. Surg., Wakayama Rosai Hospital
3-5-F80-3	Efficacy of intraoperative motor-evoked potential monitoring of anterior decompression and fusion with floating method for compression myelopathy caused by lower cervical and upper thoracic ossification of posterior longitudinal ligament 672 <i>D. Ukegawa, et al.</i> , Dept of Orthop. Surg., Kudanzaka Hospital
3-5-F80-4	Clinical study of abnormal waveforms in free-run EMG in the cases suspected nerve root injury during insertion of pedicle screw 673 <i>Y. Yanagisawa, et al.</i> , Dept. of Orthop. Surg., Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital
3-5-F80-5	The characteristics of MEP wave between two stimulation methods 673 <i>H. Shigematsu, et al.</i> , Dept. of Orthop. Surg., Nara Medical Univ.
3-5-F80-6	Reduced variability of transcranial motor evoked potential responses using multi-train stimulation during spinal surgery 674 <i>S. Tsutsui, et al.</i> , Dept. of Orthop. Surg., Wakayama Med Univ.

Free Papers 81

10 : 40~11 : 30

Moderator : **N. Tanaka**

Monitoring/Electrophysiological diagnosis

3-5-F81-1	Intraoperative monitoring using somatosensory evoked potentials and motor evoked potentials .. 674 <i>T. Saito, et al.</i> , Dept. of Orthop. Surg., Kansai Medical Univ. Takii Hosp.
3-5-F81-2	Electrophysiological evaluation of cervical spondylotic amyotrophy 675 <i>T. Saito, et al.</i> , Dept. of Orthop. Surg., Kansai Medical Univ. Takii Hosp.
3-5-F81-3	Relationship between MEP findings during the surgery and muscle weakness after the surgery in cases with XLIF procedure 675 <i>R. Takatori, et al.</i> , Dept. of Orthop. Surg., Nishijin Hospital

3-5-F81-4	Study of postoperative deterioration in cases of cauda equina schwannoma 676 <i>K. Kobayashi, et al.</i> , Dept. of Orthopedic Surgery, School of Medicine, Nagoya University.
3-5-F81-5	Efficacy of free run electromyographic monitoring for the spinal surgery. 676 <i>S. Baba, et al.</i> , Dept. of Spinal Surgery., JCHO Tokyo Shinjuku Medical Center
3-5-F81-6	Can intra operative motor-evoked-potential predict the recovery of paralysis due to acute spinal injury? 677 <i>U. Nosaka, et al.</i> , Spine Center, Seirei Hamamatsu Hosp.

Free Papers 82

11 : 30~12 : 20

Moderator : **Y. Imajo**

Electrophysiological diagnosis

3-5-F82-1	Level diagnosis for cervical myelopathy using ascending spinal cord evoked potentials following stimulation of the ulnar nerve 677 <i>H. Ikeda, et al.</i> , Yamaguchi University Hospital, JPN
3-5-F82-2	Clinical and electrophysiological finding of the patients with C6/7 myelopathy 678 <i>M. Funaba, et al.</i> , Dept. of Orthop. Surg, Yamaguchi Rosai Hospital
3-5-F82-3	Intra-operative electrophysiological level diagnosis and post-operative clinical outcome in the ossification of the posterior longitudinal ligament of the cervical spine 678 <i>A. Hasegawa, et al.</i> , Dept. of Orthop. Surg., Kyorin Univ. School of Medicine
3-5-F82-4	Evaluation of cervical spondylotic myelopathy using latency of abductor digiti minimi in transcranial electrical stimulation of muscle evoked potential (Br-MsEP) monitoring. 679 <i>B. Izumi, et al.</i> , Dept. of Orthop. Surg., Hiroshima city Asa Hospital
3-5-F82-5	Churg–Strauss syndrome initially diagnosed as radiculopathy of spinal diseases– how to diagnose with laboratory data and nerve conduction study– 679 <i>K. Nagata, et al.</i> , Dept. of Orthop Surge., Yokohama Rosai Hospital
3-5-F82-6	Visualization of thoracispinal electrical activity by biomagnetometer 680 <i>S. Ushio, et al.</i> , Dept. of Orthop. Surg., Tokyo Medical and Dental Univ. School of Medicine

Room 6

Free Papers 83

9 : 00~ 9 : 50

Moderator : **Y. Tanaka**

Imaging diagnosis / functional diagnosis 2

3-6-F83-1	Sagittal spinopelvic alignment of rapidly destructive arthrosis of the hip joint 680 <i>T. Morimoto, et al.</i> , Dept.of Orthop. Surg., Faculty of Medicine, Saga University
3-6-F83-2	T1 radiculopathy and its features in symptomatology 681 <i>Y. Tanaka, et al.</i> , Dept. of Orthop. Surg., Tohoku Central Hospital

3-6-F83-3	Evaluation of cervical and lumbar JOA score in dialysis patients 681 <i>A. Yabu, et al.</i> , Dept. of Orthopaedic Surgery, Seikeikai Hospital, Osaka, Japan
3-6-F83-4	Lumbosacral transitional vertebrae misleads into a recognition of the wrong number of lumbar vertebra 682 <i>T. Nakagawa, et al.</i> , Department of Orthopaedic Surgery, Sumiya Orthopaedic Hospital, Wakayama, Japan
3-6-F83-5	Sacroiliac joint score as a simple clinical diagnostic support tool to identify patients with Sacroiliac joint dysfunction from with Lumbar disorders 682 <i>D. Kurosawa, et al.</i> , Dept. of Orthop. Surg., Low back pain and Sacroiliac Joint Center, JCHO Sendai Hospital
3-6-F83-6	Correlation between vacuum phenomenon of sacroiliac joint and lumbopelvic alignment 683 <i>M. Abe, et al.</i> , Department of Orthopedics, Tokushima University

Free Papers 84

9 : 50~10 : 40

Moderator : **Y. Mikami**

Imaging diagnosis / functional diagnosis 3

3-6-F84-1	The clinical evaluation using quantifiable parameter in cervical spondylotic myelopathy with/without diabetes 683 <i>M. Machino, et al.</i> , Dept. of Orthop. Surg., Nagoya University Graduate School of Medicine
3-6-F84-2	The NMatrix, a New Statistical Method for Presentation Using Plural Indexes at the Same Time, Displays Concisely and Obviously the Characteristics of Medicines With Similar Effects for the Treatment of Lumbar Spinal Canal Stenosis, and Leads to Easy Choice of Appropriate Medications 684 <i>M. Nakamura</i> , Dept. of Orthop.Surg., Mino Municipal Hospital
3-6-F84-3	Analysis for standard value of O-C1 angle-exploration for reliable radiographic diagnostic method of atlanto-occipital subluxation type 3- 684 <i>S. Kaneko, et al.</i> , Department of Orthopaedic Surgery, National Hospital Organization Murayama Medical Center
3-6-F84-4	Impact of cranio-cervical balance to neck pain of post laminoplasty 685 <i>K. Tamai, et al.</i> , Department of orthopedics surgery, Osaka City University Graduate School of Medicine, Osaka, Japan
3-6-F84-5	A trial of the diagnosis by MRI imaging for the tight filum terminale 685 <i>M. Komagata, et al.</i> , Dept. of Orthop. Surg., Kohsei Chuo General Hospital
3-6-F84-6	MR cerebrospinal fluid flow imaging with time-spatial labeling inversion pulses (Time-SLIP) for noninvasive assessment of cervical spine disease 686 <i>K. Takeuchi, et al.</i> , Dept. of Orthop. Surg., National Okayama Medical Center

Free Papers 85

10 : 40~11 : 30

Moderator : M. Miyamoto

Imaging diagnosis / functional diagnosis 4

- 3-6-F85-1 What is the factor in imaging which affects the disc degeneration?- Analysis of MRI and X-ray photography in 100 asymptomatic volunteers - 686
T. Iga, et al., Dept. of Orthopaedics, Tokyo Dental College Ichikawa General Hospital, Chiba, Japan
- 3-6-F85-2 Characteristic findings in imaging of cervical spondylolisthesis- Analysis of CT and X-ray photography in 101 spondylolisthesis patients 687
R. Aoyama, et al., Dept. of Orthopaedics, Tokyo Dental College Ichikawa General Hospital, Chiba, Japan
- 3-6-F85-3 Can angled sagittal MRI of neural foramen combined with neurological findings determine the affected nerve root in cervical radiculopathy? 687
K. Sugiura, et al., Dept. of Orthop. Surg., Mitoyo General Hospital, Kanonji, Kagawa, Japan
- 3-6-F85-4 The Effects of Cord Rotation to Neurological States and Surgical Results for Cervical Myelopathy Patients 688
M. Sato, et al., Dept.Spine Surg.,Yokohama Stroke and Brain Center
- 3-6-F85-5 The postoperative progress of static and dynamic balance test for cervical myelopathy 688
K. Tajima, et al., Saitama Spine Center, Higashi Saitama General Hospital
- 3-6-F85-6 Is the K-line useful to predict prognosis laminoplasty for the cervical spondylosis 689
T. Ikeda, et al., Dept. of Orthop. Surg., Kindai Univ.Faculty of Medicine

Free Papers 86

11 : 30~12 : 20

Moderator : Y. Morio

Imaging diagnosis / functional diagnosis 5

- 3-6-F86-1 Pathological and MR imaging Evaluation of Articular Cartilage Degeneration in the Human Lumbar Zygapophysial Joint 689
D. Yamabe, et al., Iwate Prefectural Kamaishi Hospital Kamaishi Japan
- 3-6-F86-2 Evaluation of Shock Absorber Function in Lumbar Intervertebral Disc using T2 Mapping 690
K. Choukan, et al., Dept. of Orthop. Surg., Iwate Medical Univ. School of Medicine
- 3-6-F86-3 A relationship between spinal alignment and gait in the patients with adult spinal deformity 690
K. Ishii, et al., Niigata Spine Surgery Center
- 3-6-F86-4 Application of diffusion-weighted image in spinal cord disease 691
Y. Ohtake, et al., Nakamura Memorial Hospital, Sapporo, Hokkaido, Japan
- 3-6-F86-5 Analysis of the risk factor of postoperative correction loss in thoracolumber burst fracture 691
T. Oshigiri, et al., Dept. of Orthop. Surg., Sapporo Medical Univ.
- 3-6-F86-6 Development of new scoring system for the differential diagnosis of malignant and benign spinal dumbbell tumors 692
Y. Matsumoto, et al., Dept. of Orthop. Surg., Kyushu Univ. School of Medicine

Poster Room

Poster 48

9 : 00 ~ 9 : 30

Moderator : Y. Nakagawa

Minimally invasive lateral interbody fusion

- 3-P48-1 Experience of extremelateral interbody fusion for lumbar degenerative disease 692
Y. Matsubara, et al., Dept. of Orthop. Surg., Kariya-Toyota General Hospital
- 3-P48-2 Comparison of indirect neural decompression for spondylolisthesis with XLIF and OLIF 693
H. Yamaguchi, et al., Dept. of Spine & Orthop. Surg., Konan Kosei Hosp.
- 3-P48-3 Indirect decompression effect of the XLIF for degenerative lumbar disorders 693
N. Sentsui, et al., Chiba Central Medical Center Chiba Japan
- 3-P48-4 Evaluation of decompressive effect of indirect decompression in lumbar spinal canal following XLIF approach : radiographic analysis 694
S. Otsuka, et al., Dept. of Orthop. Surg., Nagoya City Univ.
- 3-P48-5 Radiographic evaluation of subsidence of intervertebral cages in minimally invasive lateral retroperitoneal transposas lumbar interbody fusion 694
S. Tsutsui, et al., Dept. of Orthop. Surg., Wakayama Med Univ.
- 3-P48-6 Application of XLIF system for revision spine surgery 695
Y. Nakagawa, et al., Dept. of Orthop. Surg., Wakayama Medical University

Poster 49

9 : 30 ~ 10 : 00

Moderator : T. Asazuma

Cortical bone trajectory

- 3-P49-1 Lamina surface markers are useful for inserting CBT screws without imageintensifier 695
S. Ueda, et al., Dept. of Orthop. Surg., Saiseikai Yokohama-shi Nanbu Hospital
- 3-P49-2 The procedure of cortical bone trajectory screw insertion in our hospital 696
T. Ishikawa, et al., Orthopedic Surgery, Sanmu Medical Center, Chiba, Japan
- 3-P49-3 Incidence and risk factors for caudal screw loosening after PLIF with our CBT screwing method 696
H. Sakaura, et al., Dept. of Orthop. Surg., Kansai Rosai Hospital
- 3-P49-4 Biomechanical comparison of insertional technique of lumbar pedicle screw between cortical bone trajectory and traditional trajectory : A finite element study 697
K. Matsukawa, et al., Department of Orthopaedic Surgery, National Defense Medical College
- 3-P49-5 An evaluation of the fixation strength of pedicle screws using cortical bone trajectory : What is the optimal screw trajectory for sufficient fixation? 697
K. Matsukawa, et al., Department of Orthopaedic Surgery, National Defense Medical College
- 3-P49-6 Tapping insertional torque is the main predictor of fixation strength using cortical bone trajectory 698
K. Matsukawa, et al., Department of Orthopaedic Surgery, National Defense Medical College

Poster 50

9 : 00~ 9 : 30

Moderator : T. Doi

Ossification of spinal ligament 2

- 3-P50-1 Ossification of the posterior longitudinal ligament is inhibited by posterior instrumented fusion compared with laminoplasty 698
M. Ota, et al., Dept. of Orthop. Surg., Chiba Univ. Graduate School of Medicine
- 3-P50-2 Limitations of ADL accompanying reduced neck mobility after cervical posterior decompression and fusion on patients with the OPLL 699
K. Takeuchi, et al., Dept. of Orthop. Surg., Odate Municipal Hospital
- 3-P50-3 A retrospective imaging study of surgical outcomes in patients with cervical ossification of the posterior longitudinal ligament 699
S. Kanbara, et al., Dept. of Orthop. Surg., Chutoen General Medical Center
- 3-P50-4 Clinical Outcomes following Surgery for Cervical Myelopathy Caused by Ossification of the Posterior Longitudinal Ligament Focused on Cervical Sagittal Balance 700
K. Sakai, et al., Dept. of Orthop. Surg., Saiseikai Kawaguchi General Hospital
- 3-P50-5 Clinical outcome for cervical OPLL patients of the K-line (-) group : anterior versus posterior decompression and fusion 700
M. Aramomi, et al., Dept. of Orthop. Surg., Sanmu Medical Center
- 3-P50-6 Analysis of defining factors of K-line in cervical ossification of the longitudinal ligament 701
M. Koda, et al., Dept. of Orthop. Surg., Chiba Univ. Graduate School of Medicine, Chiba Japan

Poster 51

9 : 30~10 : 00

Moderator : Y. Sugimoto

RA

- 3-P51-1 Radiological cervical spine involvement and the related factor in patients with rheumatoid arthritis : A cross sectional study 701
H. Takaoka, et al., Dept. of Orthop. Surg. Kamagaya General Hospital
- 3-P51-2 Transition of surgical treatment for rheumatoid cervical disorders 702
T. Tanouchi, et al., Gunma Spine Center
- 3-P51-3 Cervical fixation for the patients with RA in the last decade 702
Y. Sugimoto, et al., Dept. of Orthop. Surg., Okayama Univ. Hospital
- 3-P51-4 Surgical outcome of lumbar fusion in patients with Rheumatoid arthritis 703
S. Matsumaru, et al., Dept. of Orthop. Surg. Keio Univ. School of Medicine, Tokyo, Japan
- 3-P51-5 Posterior lumbar fusion for rheumatoid arthritis 703
T. Matsumoto, et al., Dept. of Orthop. Surg., Chubu Rosai Hospital
- 3-P51-6 The usefulness of neutrophil CD64 expression in the diagnosis of infection in patients with rheumatoid arthritis underwent spinal surgery 704
S. Hirai, et al., Dept. of Orthop. Surg. National Sagamihara Hospital

Poster 52

9 : 00~ 9 : 30

Moderator : G. Inoue

Late-stage elderly

- 3-P52-1 Treatment results for odontoid fracture in late elderly patients704
K. Jimbo, et al., St.Mary's Hospital,Fukuoka,Japan
- 3-P52-2 Spinal surgery for elderly patients over 65 years old 705
K. Uno, et al., Dept. of Orthop.Surg. National Hospital Organization, Kobe Med. Centr.
- 3-P52-3 The evaluation of spinal surgeries for 80-years or older elderly patients - operative procedures, complications, postoperative results - 705
T. Kato, et al., Dept. of Orthop. Surg., Tokyo Medical and Dental Univ.
- 3-P52-4 Outcome of minimum invasive spine surgery for patients older than 85 years 706
N. Hoshi, et al., Aichi Spine Institute
- 3-P52-5 Surgical management of lumbar canal stenosis in elderly patients 706
A. Inada, et al., Dept.of Orthop.,NTT West Tokai Hosp.
- 3-P52-6 Evaluation of ADL before and after lumbar surgery in elderly patients 707
G. Inoue, et al., Dept. of Orthop. Surg., Kitasato Univ. School of Medicine

Poster 53

9 : 30~10 : 00

Moderator : T. Morimoto

Epidemiology

- 3-P53-1 Operation results of the lumbar disk hernia~Does the preoperative disease period affect operation results?~ 707
T. Kamanaka, et al., Dept. of Orthop. Surg.,Yodakubo Hospital, Chiisagata-gun, Nagano prefecture, Japan
- 3-P53-2 Characteristics of lumbar vertebral fracture in retrospective cohort study..... 708
K. Akeda, et al., Dept. of Orthop. Surg., Mie Univ. Graduate School of Medicine
- 3-P53-3 Lumbar degeneration after decompression for lumbar spinal stenosis 708
T. Mizuno, et al., Spine center,Seirei Hamamatsu Hospital
- 3-P53-4 The treatment actual situation of the osteoporosis for lumbar spinal stenosis operation case 709
O. Kojima, et al., Dept. of Orthop. Surg., Tokyo Medical Univ.
- 3-P53-5 Occurrence pattern of lumbar spinal canal stenosis -Retrospective case study of the surgical patients- 709
N. Takegami, et al., Dept. of Orthop. Surg., Mie Univ. Graduate School of Medicine
- 3-P53-6 Anticipated number of lumbar operations in the future according to the statistics from our clinical data of microendoscopic surgery for 15 years 710
K. Nomura, et al., Dept. of Orthop. Surg., Sumiya Orthopaedic Hospital, Wakayama, Japan

Poster 54

9 : 00~ 9 : 25

Moderator : E. Nakamura

Lumbar foraminal stenosis

- 3-P54-1 Bilateral foraminal stenosis of lumbar spine : a report of five cases 710
K. Takahashi, et al., Dept. of Ortho. Surg., Tohoku Central Hospital
- 3-P54-2 Foraminal stenosis in lumbar degenerative spondylolisthesis 711
S. Matsushita, et al., Dept. of Orthop. Surg. Narita Memorial Hospital
- 3-P54-3 Effects of lumbosacral sagittal alignment on the static and dynamic factor in lumbosacral foraminal stenosis 711
Y. Shinozaki, et al., Spine Center, Japanese Red Cross Shizuoka Hospital
- 3-P54-4 Pathognomonic radiological indicators using reconstructed computed tomography for the diagnosis of lumbosacral foraminal stenosis 712
Y. Shinozaki, et al., Spine Center, Japanese Red Cross Shizuoka Hospital
- 3-P54-5 A study of lumbo-sacral foraminal radiculopathy using MR neurography 712
H. Kobayashi, et al., Dept. of Orthop. Surg. & Spinal Surg., Ohara General Hospital

Poster 55

9 : 25~10 : 00

Moderator : K. Yamada

Infection 1

- 3-P55-1 Factors associated with treatment failure in vertebral osteomyelitis requiring spinal instrumentation 713
M. Akagawa, et al., Akita kousei medical center
- 3-P55-2 Efficacy and limitation of percutaneous suction aspiration and drainage for pyogenic spondylitis with severe comorbidity 713
K. Yamada, et al., Dept. of Orthop. Surg., Kurume Univ. School of Medicine
- 3-P55-3 Clinical results of the posterior instrumentation for the infectious spondylodiscitis -conventional pedicle screw system vs. percutaneous pedicle screw system- 714
F. Tanabe, et al., Dept. of Orthop. Surg., Graduate School of Medical and Dental Sciences, Kagoshima University
- 3-P55-4 Effectiveness of fusion with Percutaneous Pedicle screw for pyogenic spondylitis 714
A. Tagami, et al., Dept. of Orthop. Surg., Nagasaki Univ. School of Medicine
- 3-P55-5 PPSs for pyogenic spondylodiscitis is thought to enable early alleviation of pain and long-term rest is avoided 715
T. Ozawa, et al., Teikyo Chiba Medical Center
- 3-P55-6 Posterior instrumentation surgery for infectious spondylodiscitis 715
Y. Kudo, et al., Dept. of Orthop Surg, Showa Univ.

- 3-P55-7 Anterior spinal fusion combined with posterior bone graft for spinal tuberculosis in thoracolumbar junction 716
K. Izawa, et al., Dept. of Orthop. Surg., National Hospital Organization Toneyama Hospital

Poster 56

9 : 00~ 9 : 30

Moderator : **N. Arima**

Infection 2

- 3-P56-1 Does diluted povidone iodine irrigation reduce surgical site infection in spine surgery? 716
T. Tsutsimimoto, et al., Spine Center, Yodakubo Hospital
- 3-P56-2 Concentration of intrawound VCM dispersion in spinal surgery 717
Y. Okano, et al., Dept. of Orthop. Surg., Sitama Univ. of Medicine
- 3-P56-3 The effect of prophylactic intraoperative vancomycin powder in high-risk patients of spinal surgery 717
Y. Torii, et al., St.Marianna University School of Medicine Yokohama City Seibu Hospital
- 3-P56-4 The efficiency of intrawound Vancomycin powder in spinal instrumentation 718
H. Sato, et al., Department of Orthopaedic Surgery, University of Yamanashi
- 3-P56-5 Surgical site infection of spine surgery -device for early diagnosis- 718
H. Yoshihara, et al., Dept.of Spine Surg.Toyohashi Municipal Hospital
- 3-P56-6 Surgical site infection Database study for clean orthopaedic surgery 719
K. Yamada, et al., Dept. of Orthop. Surg., Kanto Rosai Hospital

Poster 57

9 : 30~10 : 00

Moderator : **H. Hamanaka**

Infection 3

- 3-P57-1 Deep surgical site infection after cervical laminoplasty 719
H. Kunizawa, et al., Dept. of Orthop. Surg., Japanese Red Cross Musashino Hospital
- 3-P57-2 Clinical results in spinal SSI after salvage surgery 720
Y. Sasao, et al., Dept.Orthop. Surg., St. Maranna Univ. School of Medicine
- 3-P57-3 The treatment for surgical site infection of posterior lumbar interbody fusion 720
I. Torigoe, et al., Dept. of Orthop. Surg., Saiseikai Kawaguchi General Hospital
- 3-P57-4 Investigative study of surgical site infection after spinal instrumentation surgery 721
A. Shimatani, et al., Dept. of Orthop. Surg., Osaka City General Hospital
- 3-P57-5 A study of pyogenic spondylitis between the people aged over 75 and the other 721
T. Kawano, et al., Dept. of Orthop. Surg., Akita Univ. School of Medicine
- 3-P57-6 The recent trends and treatment for pyogenic spondylitis 722
T. Osawa, et al., Dept. of Orthop. Surg., Japanese Red Cross Kyoto Daiichi Hospital

Poster 58

9 : 00 ~ 9 : 30

Moderator : Y. Oshiro

Complications 1

- 3-P58-1 Risk factors for incidental durotomy during posterior spine surgery for degenerative diseases in adults : a prospective multicenter study 722
H. Ishikura, et al., Dept. of Orthop. Surg., National Sagamihara Hospital
- 3-P58-2 Efficacy of TachoSil for lumbar major vessel injury 723
S. Ohtori, Dept. of Orthop. Surg., Chiba Univ. School of Medicine
- 3-P58-3 Influence of complications for clinical outcome in anterior cervical spine surgery with JOABPEQ 723
T. Shimokawa, et al., Department of Regional Medicine and Musculoskeletal Science, Gifu University Graduate School of Medicine, Gifu, Japan
- 3-P58-4 Prophylactic high-dose methylprednisolone therapy to prevent so-called C5 palsy following laminoplasty for cervical OPLL is effective 724
K. Hasegawa, et al., Niigata Spine Surgery Center
- 3-P58-5 The prevention of wrong level spine surgery 724
T. Yamazaki, Dept. of Orthop. Surg., Musashino Red Cross Hospital
- 3-P58-6 A method to significantly reduce the radiation exposure dose in endoscopic spine surgery 725
H. Inanami, et al., Dept. of Orthop. Surg., Iwai Orthopaedic Medical Hospital

Poster 59

9 : 30 ~ 10 : 00

Moderator : M. Koizumi

Complications 2

- 3-P59-1 Paralysis of the lower extremities without nerve compression after pedicle subtraction osteotomy 725
H. Suzuki, et al., Dept. of Orthop. Surg., Tokyo Med. Univ.
- 3-P59-2 Newly generated thigh pain and paresthesia after corrective long surgery for adult spinal deformity 726
Y. Mihara, et al., Kikugawa City Hospital
- 3-P59-3 Multisegmental posterior Instrumentation with corrective fusion for Degenerative lumbar scoliosis-Long-term clinical result affected by lumbo-sacral saggital alignment and other complications 726
Y. Iwamura, et al., Dept. of Orthop. & Spine Surg., Yokohama Ekisaikai Hospital
- 3-P59-4 Perforation rates of pedicle screws for spinal deformities under 11 years old 727
F. Isobe, et al., Dept. of Orthop. Surg., Shinshu Univ. School of Medicine
- 3-P59-5 Implant failure analysis focus on metal property after growing rod procedure 727
K. Shinohara, et al., Dept. of Orthop. Surg., Okayama Univ. School of Medicine
- 3-P59-6 Surgical complication report of spine surgery in Osaka University spine group 728
M. Kashii, et al., Dept. of Orthop. Surg., Osaka Univ Graduate School of Medicine

Poster 60

9 : 00 ~ 9 : 30

Moderator : H. Nohara

Complications 3

- 3-P60-1 Risk factors of postoperative complication for spinal disease in aged patients over 80 years old 728
M. Teppei, et al., Department of Orthopaedic Surgery, University of Occupational and Environmental Health, Kitakyushu, Japan.
- 3-P60-2 The consideration of perioperative complications in elderly spine surgery 729
H. Sato, et al., Department of Orthopaedic Surgery, University of Yamanashi
- 3-P60-3 Perioperative incidence and risk factors for deep vein thrombosis associated with spine surgery · 729
T. Imanishi, et al., Murase Hospital
- 3-P60-4 The deep venous thrombosis screening by the ultrasonography to vein of lower extremity 730
T. Inoue, Dept. of Orthop. Surg., Minamata City General Medical Center
- 3-P60-5 Risk factors for pulmonary embolism/deep vein thrombosis after spinal surgery 730
T. Maruyama, et al., Dept. of Orthop. Surg., Saitama Medical Center, Saitama Medical University
- 3-P60-6 The incidence of deep vein thrombosis and pulmonry embolism during spine surgery using multidetector computed tomography 731
H. Inoue, et al., Dept. of Orthop. Surg., Jichi Medical Univ.

Poster 61

9 : 30 ~ 10 : 00

Moderator : T. Ishibe

Complications 4

- 3-P61-1 Clinical features of postoperative symptomatic epidural hematoma after spinal surgery 731
M. Anno, et al., Department of Orthopaedic Surgery, Musashino Red Cross Hospital
- 3-P61-2 Examination of the case needed hematoma removal after spine surgery 732
H. Ishihama, et al., Dept. of Orthop. Surg., Sano Kosei General Hospital
- 3-P61-3 Evaluation of epidural hematoma after lumbar operation 732
J. Ochiai, et al., Dept. of Orthop. Surg., Showa Univ. Fujigaoka Hosp
- 3-P61-4 Comparison studies of suction drainage period after posterior lumbar decompression surgeries · 733
K. Iwazaki, et al., Dept. of Orthop. Surg., Nihonkai General Hospital
- 3-P61-5 Early Epidural Hematoma after Laminoplasty for Cervical Myelopathy 733
Y. Nishimura, Shimabara Orthopaedic Surgery Nishimura Clinic, Shimabara, Japan
- 3-P61-6 Efficacy of tranexamic acid for the perioperative blood loss in posterior lumbar spinal surgery 734
K. Ishibashi, et al., Dept. of Orthop. Surg., Keiyu Hospital

Poster 62

9 : 00~ 9 : 30

Moderator : H. Ozawa

Spinal trauma 1

- 3-P62-1 The surgical results for the lumbar vertebral fracture combined with Parkinson disease.....734
T. Yasuda, et al., Dept. of Orthop. Surg., Univ. of Toyama
- 3-P62-2 Surgical outcomes of posterior fusion for osteoporotic vertebral fracture at middle to lower lumbar spine..... 735
S. Suzuki, et al., Dept. of Orthop. Surg., Keio University
- 3-P62-3 Surgical results in patients associated with neurological disorder due to osteoporotic vertebral fractures in the middle or lower lumbar spine 735
M. Kohno, et al., Department of Orthopaedic Surgery, Yokohama Ekisaikai Hospital
- 3-P62-4 Efficacy of posterior dynamic stabilization for osteoporotic lumbar vertebral fracture 736
Y. Hirao, et al., Dept. of Spine and Orthopaedic Surg., Japanese Red Cross Medical Center
- 3-P62-5 Minimally invasive spinopelvic fixation using a modified Galveston technique 736
S. Osaki, et al., Dept. of Orthop. Surg., Japanese Red Cross Kobe Hospital
- 3-P62-6 Anterior reduction of pelvic ring injuries using spinal instrumentation : Initial four cases..... 737
K. Sawamura, et al., Department of Orthopaedics, Maizuru Red Cross Hospital

Poster 63

9 : 30~10 : 00

Moderator : H. Ota

Spinal trauma 2

- 3-P63-1 Treatment for spinal fracture associated with diffuse idiopathic skeletal hyperostosis 737
R. Kosaka, Dept of Orthop. Surg., Hirakata City Hospital
- 3-P63-2 The feature of sagittal balance and clinical study approach by JOABPEQ score in diffuse idiopathic skeletal hyperostosis 738
N. Kuramitsu, et al., Dept. of Orthop. Surg., Gifu Univ.
- 3-P63-3 Association of diffuse idiopathic skeletal hyperostosis with quality of life : population-based cohort 738
K. Ryohei, et al., Dept. of Orthopaedic Surgery, Wakayama Medical University
- 3-P63-4 Problems of a Diagnosis and Treatment for Patients with Ankylosing Spinal Disorders and Vertebral Fractures..... 739
K. Okuyama, et al., Shizuoka City Shimizu Hospital
- 3-P63-5 Clinical outcomes of spinal fractures in patients with ankylosing spinal disorders..... 739
M. Tanaka, et al., Department of Orthopaedic Surgery, Juntendo University Shizuoka Hospital, Shizuoka, Japan
- 3-P63-6 Clinical features and surgical outcomes of thoracic/lumbar vertebral fractures in patients with Ankylosing spinal disorders 740
R. Kikuchi, et al., Dept. of Orthop. Surg., Niigata Rousai Hospital

Poster 64

9 : 00~ 9 : 30

Moderator : K. Ishii

Cervical kyphosis

- 3-P64-1 Appropriate LIV based on the classification of idiopathic dropped head syndrome740
H. Suzuki, et al., Dept. of Orthop. Surg., Tokyo Med. Univ., Tokyo, Japan
- 3-P64-2 Cervical spinal sagittal alignment at neck flexion and extension in patients with dropped head syndrome 741
K. Endo, et al., Dept. of Orthop. Surg., Tokyo Medical Univ.
- 3-P64-3 The outcome and imaging studies of Isolated Neck Extensor Myopathy in Dropped Head Syndrome 741
T. Sato, et al., Department of Orthopaedic Surgery, Juntendo University School of Medicine
- 3-P64-4 Clinical significance of trapezoidal vertebra in the cervical spondylosis with kyphotic change. 742
H. Tanaka, et al., Dept. of Orthop. Surg., Tokyo Medical Univ. Tokyo, Japan.
- 3-P64-5 Long-term results of double-door laminoplasty for cervical myelopathy associated with ateloid cerebral palsy 742
K. Wada, et al., Dept. of Orthop. Surg., Hirosaki Univ. Graduate School of Medicine
- 3-P64-6 Finite element analysis of anterior release and pedicular screwing fixation for cervical kyphotic spondylotic myelopathy associated with athetoid cerebral palsy 743
H. Kouno, et al., Keiyu Orthopedic Hospital, Keiyu Spine Center

Poster 65

9 : 30~10 : 00

Moderator : S. Nakahara

Cervical anterior decompression and fusion

- 3-P65-1 Medium-term outcome of anterior cervical discectomy and fusion without plate fixation743
H. Igarashi, et al., Sonodak Medical Institute, Tokyo Spine Center
- 3-P65-2 Correlation between Cobb angle and local angle in cases with anterior fusion using 6 mm cage to be made by titanium 744
E. Honda, et al., Dept. of Neurospinal surgery Shiroishikyoritsu hospital
- 3-P65-3 Usefulness of porous hydroxyapatite collagen composites for anterior cervical decompression and fusion 744
Y. Arai, et al., Dept. of Orthop. Surg., Saiseikai Kawaguchi General Hosp.
- 3-P65-4 Usefulness of Anterior Cervical Decompression and Fusion using Hybrid Technique 745
Y. Ishihama, et al., Dept. of Orthop. Surg., Seirei Mikatahara General Hospital
- 3-P65-5 Effects of long fusion and decompression surgery of cervical spine evaluated by JOACMEQ 745
F. Nakajima, et al., Dept. of Orthop. Surg., Chiba Rosai Hospital, Ichihara, Japan
- 3-P65-6 Influence of cervical sagittal balance on the alignment of multilevel anterior cervical fusion 746
R. Kadota, et al., Dept. of Orthop. Surg., Numadu City Hosp.

Poster 66

9 : 00 ~ 9 : 30

Moderator : M. Matsusaki

Cervical posterior surgery 1

- 3-P66-1 Surgical results of double-door laminoplasty by midsagittal splitting method. 746
T. Mamada, et al., Dept. of Spine Surgery, Tokyo Yamate Medical Center
- 3-P66-2 Relationship between lateral gutters and clinical results for double door laminoplasty by midsagittal splitting method 747
G. Hayasaka, et al., Dept. of Spine Surg., Tokyo Yamate Medical Center
- 3-P66-3 The outcomes of the cervical spine operations for the young-old and the later-elderly people 747
Y. Dogaki, et al., National Hospital Organization Kobe Medical Center, Kobe, Japan
- 3-P66-4 Surgical results for cervical myelopathy in late elderly with depression 748
S. Ito, et al., Dept. of Orthop. Surg., National Center for Geriatrics and Gerontology
- 3-P66-5 Surgical outcome of the old old with cervical myelopathy evaluated by JOACMEQ 748
T. Kamatani, et al., Dept. of Orthop. Surg., Hoshigaoka Medical Center, Osaka, Japan
- 3-P66-6 Clinical results of French door laminoplasty and analyses of revision surgery for recurrent myelopathy 749
S. Oshima, et al., Dept. of Orthop. Surg., Hokkaido Orthopaedic Memorial Hospital, Sapporo

Poster 67

9 : 30 ~ 10 : 00

Moderator : M. Miyazaki

Cervical posterior surgery 2

- 3-P67-1 The mid-term result of modified Hirabayashi laminoplasty preserved posterior ligament complex 749
K. Otsuka, et al., Dept. of Orthop. Surg., Kagawa Prefectural Central Hosp.
- 3-P67-2 The evaluation of laminar closure after C3-6 open-door laminoplasty in patients with cervical myelopathy 750
T. Usui, et al., Dept. of Orthop. Surg., Osaka City General Hospital
- 3-P67-3 Comparison of surgical results for cervical myelopathy with anterior slip -Laminoplasty versus Posterior Decompression and Fusion 750
T. Kuniya, et al., Yokohama City University Medical Center, Dept of Orthopaedics, Kanagawa, Japan
- 3-P67-4 A prospective comparative study of the time-dependent change of the 10 seconds test, JOA score, and JOACMEQ between cervical OPLL and CSM after laminoplasty 751
H. Fujiwara, et al., Dept. of Orthop. Surg., National Hospital Organization Osaka Minami Medical Center
- 3-P67-5 Impact of axial pain on quality of life in patients undergoing cervical laminoplasty 751
A. Kimura, et al., Dept. of Orthop., Jichi Medical Univ.

- 3-P67-6 Study of the clinical course of postoperative axial symptoms of cervical laminoplasty with reconstruction of nuchal ligament by lifting up spinous processes..... 752
K. Ariga, et al., Dept. of Orthop. Surg., Osaka Police Hospital

Poster 68

9 : 00~ 9 : 30

Moderator : **M. Kato**

Cervical posterior surgery 3

- 3-P68-1 Clinical outcome of cervical laminoplasty and postoperative radiological change for cervical myelopathy with degenerative spondylolisthesis..... 752
A. Suzuki, et al., Dept. of Orthop. Surg., Osaka City University
- 3-P68-2 Clinical and imaging findings of posterior cervical spinal fusion 753
Y. Kasukawa, et al., Dept. of Orthop. Surg., Akita Univ. Graduate School of Medicine
- 3-P68-3 The cervical range of motion after anterior or posterior surgeries for cervical spondylotic myelopathy 753
H. Misawa, et al., Department of Orthopaedic Surgery, Okayama Medical Center
- 3-P68-4 Influence of fixation method on spinal canal area following cervical expansive open-door laminoplasty..... 754
K. Tamai, et al., Department of orthopedics surgery, Osaka City University Graduate School of Medicine, Osaka, Japan
- 3-P68-5 Does partial facetectomy of prophylactic C4-5 foraminotomy have relation to postoperative cervical instability? 754
T. Mizouchi, et al., Spine Center, Dept. of Orthop. Surg., Niigata Central Hospital
- 3-P68-6 Clinical outcomes after cervical foraminotomy for cervical radiculopathy 755
M. Hashimoto, et al., Dept. of Orthop. Surg., Chiba Rosai Hospital

Poster 69

9 : 30~10 : 00

Moderator : **N. Miyakoshi**

Lumbar spinal surgery 1

- 3-P69-1 A comparative study between sensory impairment alone and muscle weakness cases using JOABPEQ after decompression surgery for lumbar canal stenosis 755
K. Shimizu, et al., Dept. of Orthop. Surg., Tobata Kyoritsu Hosp.
- 3-P69-2 Outcome of decompression surgery for lumbar spinal canal stenosis and lumbar degenerative spondylolisthesis with JOABPEQ 756
O. Morita, et al., Dept. of Orthop. Surg., Nagaoka Red Cross Hospital
- 3-P69-3 Preoperative retrolisthesis is a risk factor of lumbar disc herniation after fenestration without discectomy 756
S. Takenaka, et al., Dept. of Orthop. Surg., Japan Community Health care Organization Osaka Hospital

- 3-P69-4 Pathology, incidence, and risk factors of additional spinal fusion after posterior lumbar decompression 757
T. Watanabe, et al., Hakodate Central General Hospital Spine Center
- 3-P69-5 Examining risk factor for retropulsion of cage after lumbar interbody fusion 757
T. Ainoya, et al., Dept.of Orthop. Surg., Tsukuba Memorial Hospital
- 3-P69-6 Risk factors of adjacent segment disease after PLIF, comparing with PLF 758
K. Kusano, et al., Dept. of Orthop. Surg., Suwa Central Hosp.

Poster 70

9 : 00~ 9 : 30

Moderator : **K. Aita**

Lumbar spinal surgery 2

- 3-P70-1 Vertebral collapse after lumbar surgery 758
K. Sasaki, et al., Spine Center Seirei Hamamatsu Hosp.
- 3-P70-2 Factors of Poor Surgical Results for lumbar degenerative disease with posterior lumbar interbody fusion 759
J. Hayashi, et al., Dept. of Orthop. Surg., Itami City Hospital
- 3-P70-3 What causes revision surgery after lumbar interbody fusion 759
K. Fujimoto, et al., Dept. of Orthop. Surg, Graduate School of Medicine, Chiba University
- 3-P70-4 Relationships between re-operation and segmental instability at adjacent segment to fusion 760
I. Yugue, et al., Dept of Orthopedic Surgery, Japan Labour Health and Welfare Organization Spinal Injuries Center
- 3-P70-5 The factors related to the domain of mental health in JOABPEQ in evaluation of surgical result of lumbar spinal stenosis 760
K. Yoshioka, et al., Dept of Orthop. Surg. Keio Univ. School of Medicine
- 3-P70-6 Time-dependent changes of the JOA score, JOABPEQ and VAS after single level PLIF and lumbar decompression surgery. An analysis of prospective study 761
H. Honda, et al., Dept. of Orthop. Surg., National Hospital Organization Osaka Minami Medical Center

Poster 71

9 : 30~10 : 00

Moderator : **Y. Aoki**

Lumbar spinal surgery 3

- 3-P71-1 Prospective controlled study of surgical outcome for degenerative lumbar spondylolisthesis - Comparison between the decompression and the decompression with the posterolateral fusion - · 761
A. Koh, et al., Department of Orthopaedic Surgery, Kobe Rosai Hospital, kobe, Japan
- 3-P71-2 Postoperative change of sagittal spinal alignment and clinical outcome after posterior decompression surgery for lumbar spinal canal stenosis 762
T. Hikata, et al., Dept. of Orthop. Surg., Keio Univ. School of Medicine

3-P71-3	Clinical result of minimally invasive laminoplasty via spinous process splitting approach for lumbar canal stenosis 762 <i>T. Ogura, et al.</i> , Spine Surgery and Related Research Center, Nantan General Hospital
3-P71-4	Relationship between the treatment results of decompression to the patients aged 65 and below with lumbar spinal canal stenosis (used JOABPEQ) and spinal sagittal alignment 763 <i>T. Takeuchi, et al.</i> , Keiyu orthopedic Hospital, Keiyu Spine center
3-P71-5	Early postoperative functional improvements evaluated by JOABPEQ in the patient underwent surgery for lumbar spinal canal stenosis 763 <i>N. Miyaji, et al.</i> , Dept. of Orthop. Surg., Kobe Century Memorial Hospital
3-P71-6	A clinical study on non-fusion stabilization for lumbar canal spinal stenosis 764 <i>F. Kugimiya, et al.</i> , Dept. of Orthop. Surg., Saitama Univ. School of Medicine