8:00  Registration

8:25～8:30  
Main Hall 1 (Cosmos 1)

~  Opening Remarks  ~

President  Shigeo Sano, M.D.

8:30～9:10 (40min.)
Main Hall 1 (Cosmos 1)

Main Theme 1-A

< Spinal canal stenosis with spondylolisthesis >

Chairpersons  Yuichiro Nishijima, M.D. Masanori Ito, M.D.

Clinical results of the lumbar decompression for three level involvements
— a comparative study between the bilateral decompression through a
unilateral approach and the fenestration —

Hiroshi Takei, M.D., et al.

(Department of Orthopaedic Surgery, Yamagata University, School of Medicine, Yamagata, Yamagata)
Optimal surgical treatment for degenerative lumbar spondylolisthesis

Hidetoshi Murata, M.D., et al.
(Department of Neurosurgery, Yokohama City University, Graduate School of Medical Sciences and School of Medicine, Yokohama, Kanagawa)

Clinical results of microendoscopic laminotomy for lumbar degenerative spondylolisthesis

Munehito Yoshida, M.D.
(Department of Orthopaedic Surgery, Wakayama Medical University, Wakayama, Wakayama)

Myoarchitectonic Spinoplasty for Lumbar Stenosis and Listhesis

Phyo Kim, M.D.
(Neurosurgery, Dokkyo University School of Medicine, Shimotsuga, Tochigi)

Lumbar Canal Enlargement for Degenerative Spondylolisthesis

Hirotsugu Oda, M.D.
(Shunan City Shinnnanyo Hospital, Shunan, Yamaguchi)

Technique and results of the decompression correction fusion for a degenerative spondylolisthesis with spinal canal stenosis

Shigeo Sano, M.D.
(Orthopedic Department, Sanraku Hospital, Chiyoda-ku, Tokyo)

8:30 ~ 9:20 (50min.)

Main Hall 2 (Cosmos 2)

Free Papers 5-D

Chairpersons: Naoki Asaimi, M.D.  Hisaaki Uchikado, M.D.

A case of congenital osteodysplasty with atlanto-axial dislocation surgical management report

Yasuomi Nonaka, M.D., et al.
(Department of Neurosurgery, Juntendo University Urayasu Hospital, Urayasu, Chiba)

A case of synovial cyst at atlanto-axial joint

Eiichiro Honda, M.D., et al.
(Department of Neurosurgery, Shiroishikyouritsu Hospital, Kijima, Saga)

Tricks of C1 lateral mass exposure

Masahiko Akiyama, M.D., et al.
(Division of Neurosurgery, Fuji City General Hospital, Fuji, Shizuoka)
Main Theme 1-B

〈Spinal canal stenosis with degenerative lumbar scoliosis〉
Chairpersons  Kiyoshi Kumano, M.D.  Masashi Saitou, M.D.

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  Akiyoshi Yamazaki, M.D., et al.
  (Spine Center, Department of Orthopaedic Surgery, Niigata Central Hospital, Niigata, Niigata)
Corrective spinal fusion using spinal instrumentation for degenerative lumbar scoliosis over 25 degree of Cobb angle

Takeshi Uchida, M.D., et al.
(Department of Spinal Surgery, Kantoh Rousai Hospital, Kawasaki, Kanagawa)

Comparison between one-staged posterior approach versus combined approach for lumbar degenerative scoliosis

Cédric Barrey, M.D., et al.
(Hôpital Neurologique et Neurochirurgical Pierre WERTHEIMER Service de Neurochirurgie C Groupement Hospitalier Est, Lyon cedex, France)

9:20 ~ 9:50 (30min.)
Main Hall 2 (Cosmos 2)

Free Papers 5-E

Decompression in cervical spine

Chairpersons Shigeru Hirabayashi, M.D.

Osteoplastic vertebroplasty for cervical ossification of posterior longitudinal ligament

Shinnosuke Hattori, M.D., et al.
(Department of Neurosurgery, Nagoya University, Graduate School of Medicine, Nagoya, Aichi)

Modified open-door laminoplasty with ceramic spacer and suture anchor fixation for cervical myelopathy

Tomoyuki Ozawa, M.D., et al.
(Department of Orthopaedic Surgery, Teikyo University Chiba Medical Center, Ichihara, Chiba)

Initial surgical outcomes of less invasive cervical laminoplasty (K-method) performed by one surgeon

Shuntaro Tsuchida, M.D., et al.
(Spine Center, Fuji Toranomon Orthopaedic Hospital, Gotenba, Shizuoka)

C4-C6 Laminoplasty to preserve the C2 and C7 spinous process without detaching muscles

Tomoaki Toyone, M.D., et al.
(Department of Orthopaedic Surgery, Teikyo University Chiba Medical Center, Ichihara, Chiba)
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**< Tumors -Vascular >**

**Chairpersons** Eiichro Honda, M.D.

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### Main Theme 1-C

**< Spinal canal stenosis with kyphosis >**

**Chairpersons** Osamu Nakai, M.D.

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Guest Lecture
Chairperson Shigeo Sano, M.D.

Fusion versus arthroplasty
John P. Kostuik., M.D. (Former Chief, Spine Division Professor, The Johns Hopkins Hospital, USA)

10:55 ~ 11:55 (60min.)
Main Hall 1 (Cosmos 1)

Spine Leader's Lecture A (Postgraduate Lecture of JOA)

10:55 ~ 11:10 (15min.)
Chairperson Yoichi Aota, M.D.
I John G. Heller, M.D. (Dept. of Orthopedic Surgery, The Emory Spine Center)
Current Techniques for Posterior Cervical Reconstruction
(Medtronic Sofamor-Danek Japan Co.)

11:10 ~ 11:25 (15min.)
Chairperson Minoru Hoshimaru, M.D.
II Stefan-Nikolaus Kroppenstedt, M.D. (Assistant medical director, Campus Virchow-Klinikum, Charite University, Berlin, Germany)
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Chairperson Koji Sato, M.D.
III Yue Wai Mun, M.D. (Associate Consultant, Spine Service, Department of Orthopaedic Surgery, Singapore General Hospital, Outram Road, Singapore)
MIS TLIF with the viper System - Indication, Surgical Technique and Clinical Results, Study Design. Prospective Study 128
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Chairperson  Tomoaki Toyone, M.D.
IV Cédric Barrey, M.D. (Hôpital Neurologique et Neurochirurgical Pierre WERTHEIMER Service de Neurochirurgie C Groupement Hospitalier Est, Lyon cedex, France)
Biomechanical review of screw-based posterior dynamic stabilization devices .................................................. 130 (Senko Medical Instrument Mfg. Co.)

11 : 55 ～ 12 : 05  Transfer  10min.

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Hands-on Session A

ROOM

[ Cosmos 1 ]  Chairperson  Yoichi Aota, M.D.
Current Techniques for Posterior Cervical Reconstruction by John G. Heller, M.D. (Medtronic Sofamor-Danek Japan Co.)

[ 607 ・ 608 ]  Chairperson  Minoru Hoshimaru, M.D.
Practical aspects of anterior and posterior cervical fixation by Stefan-Nikolaus Kroppenstedt, M.D. (B, Braun Aesculap Japan, Co.)

[ 601 ]  Chairperson  Koji Sato, M.D.
MIS TLIF with the Viper System - Indication, Surgical Technique and Clinical Result by Yue Wai Mun, M.D. (Johnson & Johnson Co.)

13 : 05 ～ 13 : 15  Transfer  10min.

13 : 15 ～ 13 : 30 (15min.)
Main Hall 1 (Cosmos 1)

General Assembly (Report of board meeting and finance)
President  Shigeo Sano, M.D.

Announcement of President-elect
Takeshi Uchida, M.D.  [Spinal Surgery, Kanto Rosai Hospital]
Special Lecture I (Postgraduate Lecture of JOA)

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Chairperson  Yutaka Hiraizumi, M.D.

David Polly Jr., M.D. (Department of Orthopedic Surgery, University of Minnesota)
Improving the Accuracy of Surgery : Pedicle Screw Placement as a Model
(Cosponsored by Medtronic Sofamor-Danek Japan Co.)

Main Hall 1 (Cosmos 1)

13 : 30 ~ 14 : 15 (45min.)

Main Hall 1 (Cosmos 1)

14 : 15 ~ 15 : 00 (45min.)

Main Hall 1 (Cosmos 1)

15 : 00 ~ 15 : 10  Coffee Break    10min.

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15 : 00 ~ 15 : 05  Stretch Break    5min.

Main Hall 2 (Cosmos 2)

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Intraoperative spinal cord monitoring - Multi center study of Japanese
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Main Theme 3-B
< MED as MIS >

Chairpersons Munehito Yoshida, M.D.

Tips and Pitfalls of Endoscopic Lumbar Surgery – With my experience of 1,300 Endoscopic Lumbar Surgery –
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(Aichi Spine Institute, Niwa, Aichi)  
16:40~16:45  Stretch Break  5min.

Main Hall 1 (Cosmos 1)

Main Theme 2-C  
〈Vertebroplasty 1〉

Chairpersons  Masahumi Machida, M.D.  Toru Koizumi, M.D.

Is PVP under image-guided procedure truly safe?-Analysis by CT evaluation.  
Shinjiro Tomita, M.D., et al.  
(Department of Orthopedic Surgery, Nagasaki Kamitomachi Hospital, Nagasaki, Nagasaki)

Pulmonary embolism caused by calcium phosphate bone paste(CPC) after vertebroplasty: A case report
Kanzo Yokoo, M.D.  
(Department of Orthopaedic Surgery, Sanraku Hospital, Chiyoda-ku, Tokyo)

Percutaneous Vertebro Plasty(PVP) for Compression Fracture of Spine-effficacy and Complication
Naoaki Kasai, M.D., et al.  
(Shinyokohama Spine Clinic, Yokohama, Kanagawa)

Endoscopic percutaneous vertebroplasty and kyphoplasty using calcium phosphate cement for osteoporotic vertebral compression fractures
Yasuhiro Nanri, M.D., et al.  
(Department of Orthopaedic Surgery, Kouseiren Namerikawa Hospital, Namerikawa, Toyama)

Percutaneous Vertebroplasty; Our Experience in 1,000 Consecutive Cases
Nobuo Kobayashi, M.D.  
(Department of Radiology, St. Luke’s International Hospital, Chuo-ku, Tokyo)

A study of HA block for osteoporotic spine fracture
Hiromi Matsuzaki, M.D.  
(Nihon University Research Center, Chiyoda-ku, Tokyo)
Main Theme 4-B
<Resultant title>
Chairpersons Hiroshi Takei, M.D.

The rare complications of anterior cervical surgery: an issue of disclosure and apology to the patients
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(Department of Neurosurgery, Juntendo University Urayasu Hospital, Urayasu, Chiba)

Intraoperative cardiac arrest in spine surgeries
Tomoto Suzuki, M.D., et al.
(Department of Orthopaedic Surgery, Yamagata Saisei Hospital, Yamagata, Yamagata)

How treat extremely rare cases with unexpected clinical courses?
Motoo Kubota, M.D., et al.
(Department of Spinal Surgery, Kameda Medical Center, Kamogawa, Chiba)

Incidence and management of lethal cardiovascular complication following spinal surgery
Takeshi Okamoto, M.D., et al.
(Department of Orthopaedic Surgery, The Tazuke Kofukai Medical Research Institute, Kitano Hospital, Osaka, Osaka)

Free Papers 5-I
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Chairpersons Yuichiro Nishijima, M.D. Masahito Hara, M.D.

Acute Cauda Equina Syndrome Secondary to Lumbar Disc Herniation
Yoshifumi Kawanabe, M.D., et al.
(Department of Neurosurgery, Otsu Municipal Hospital, Ohtsu, Shiga)

Spontaneous absorption of recurrent lumbar disc herniation after microdiscectomy
Yuichiro Nishijima, M.D.
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(The Dai-Ichi Tokyo Bar Association)

Risk Management in Spine operation
Shigemi Oshida
(Division of Legal Medicine, Department of Social Medicine, Nihon University School of Medicine, Itabashi-ku, Tokyo)
18:30～20:00
5th Floor (Orion)

Banquet
8:10  Registration

8:35～9:20 (45min.)
Main Hall 1 (Cosmos 1)

**Spine Leader's Lecture B**

8:35～8:50 (15min.)
Chairperson  Naoki Asami, M.D.

V  Olivier Gille, M.D., Ph.D.  [Service Orthopedie, Pr. Vital Groupe hospitalier
Pellegrin - C.H.U. de Bordeaux, Bordeaux, France]
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VI Masashi Yamazaki, M.D.  [Department of Orthopaedic Surgery, Chiba
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12 September (Sat.)
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(Cosmos 1, Cosmos 2, Room601)

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**ROOM**

**Cosmos 1**
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Hybrid type spinal stabilization and fusion system for the
treatment of degenerative lumbar spinal disease
by Junichi Kunogi, M.D. (Showa Ika Kogyo Co. Ltd.)

**Cosmos 2**
Chairperson  Shigeru Hirabayashi, M.D.
Clinical Advantage of Synapse in Cervical Posterior Fixation
by Masashi Yamazaki, M.D. (Synthes K.K.)

**601**
Chairperson  Ken Ishii, M.D. Ph.D.
Minimally invasive PLIF using Vue pass System
by Shigeto Ebata, M.D. (Biomet Japan, Co.)

10:30~10:40  Transfer  10min.

10:40~11:45 (65min.)
Main Hall 1 (Cosmos 1)

**Main Theme 2-A**

*Thoracolumbar spine in the elderly*

Chairpersons  Takashi Yamazaki, M.D.  Satoshi Tani, M.D.

A sliding scale-a convenient tool for assessing the safety zone of an
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Shigeo Sano, M.D.  
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Resection of spinal cord tumor via MILD approach
Shigeyuki Kitanaka, M.D., et al.
(Orthopedic Department, Maizuru Red Cross Hospital, Maizuru, Kyoto)

Problems of the posterior lumbar approach technique that does not keep kissing spines
Akira Itoi, M.D., et al.
(Department of Orthopedic, Juntendo University Shizuoka Hospital, Izunokuni, Shizuoka)

Minimally invasive surgery for lumbar disc herniation Spinous process splitting, unilateral approach and discectomy (modified Love’s method) for lumbar disc herniation: a comparison with Love’s method
Masahiro Joko, M.D., et al.
(Department of Neurological Surgery, Aichi Medical University, Aichi, Aichi)

Yellow ligament floating method for lumbar canal stenosis-safety, less invasiveness to nerve, clinical results-
Takashi Yamazaki, M.D., et al.
(Orthopedic Department, Musashino Red Cross Hospital, Musashino, Tokyo)

11:30～12:05 (35min.)
Main Hall 2 (Cosmos 2)

Stretch Break 5min.

12:05～12:10

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Chairperson Takachika Shimizu, M.D.

Ⅷ Christian Mazel, M.D. [Department of Orthopaedic Surgery, Institut Mutualiste Montsouris, Paris, France]
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IX Stephané Ramaré, M.D. [Centre Hospitalier Régional de Rambouillet, Chirurgie Orthopédique, Rambouillet, France]
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Reduction of high grade spondylolisthesis with Oria Claris instrumentation
by Christian Mazel, M.D. (Tokibo Co.)

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Chairperson Eiichiro Honda, M.D.
Cambo System -New Concept of Pedicular Fusion-
by Stephané Ramaré, M.D. (Kisco DIR, Co.)

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Chairperson Naoki Asami, M.D.

Roberto Bassani, M.D. (Orthopaedic and Trauma Department Fondazione IRCCS Policlinico Universitario San Matteo, Pavia, Italy)
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(Hokkaido Orthopaedic Memorial Hospital, Sapporo, Hokkaido)

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**An operative case of vertebral plasmacytoma in the upper cervical region**

Keiichi Akatsuka, M.D., et al.
(Division of Neurosurgery, Institute of Neurological Science, Faculty of Medicine, Tottori University, Yonago, Tottori)

**Surgery of spinal nerve sheath tumors originating from C1 or C2 spinal level**

Toshihiro Takami, M.D., et al.
(Department of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Osaka)

**Reconstruction of the cervical spine following extirpation of giant spinal cord tumors in high cervical region**

Takahira Shimizu, M.D., et al.
(Gunma Spine Center (Harunaso Hospital), Takasaki, Gunma)

**Anterior approach to cervical intramedullary cord tumor**

Hidetoshi Murata, M.D., et al.
(Department of Neurosurgery, Yokohama City University, Graduate School of Medical Sciences and School of Medicine, Yokohama, Kanagawa)

**Two cases with retroodontoid pseudo tumor: successful resection by a posterior approach without dural incision**

Masayuki Ishihara, M.D., et al.
(Orthopedic Department, Kansai Medical University Takii Hospital, Moriguchi, Osaka)
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Closing Remarks

President Shigeo Sano, M.D.

(Please understand the content of the program may be changed on the day.)