The 17th Annual Meeting of Japan Society for the Study of Surgical Technique for Spine and Spinal Nerves (JPSSSTSS)

Program

17 ~ 18 September 2010

17 September (Fri.)

Main Hall 1

8 : 00  Registration

8 : 25 ~ 8 : 30

~ Opening Remarks  ~

President  Takeshi Uchida, M.D.

8 : 30 ~ 9 : 25 (55min.)

Main Theme 3-a

〈MISS-1〉

Chairpersons  Takeshi Uchida, M.D., Nobuyuki Shimokawa, M.D.

M3-a1

Accuracy of pedicle screw insertion in MIS-TLIF versus Traditional Open PLIF ........................................... 146

Go Yoshida, M.D., et al.
(Department of Orthopedic Surgery, Hamamatsu Medical Center, Hamamatsu, Shizuoka)

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(Department of Orthopedic Surgery, National Defense Medical College, Tokorozawa, Saitama)
Applications and pitfalls of percutaneous endoscopic lumbar discectomy
Fujio Ito, M.D., et al.
(Aichi Spine Institute, Niwa, Aichi)

Percutaneous vertebroplasty with hydroxyapatite under local anesthesia for the treatment of osteoporotic vertebral burst fractures
Shigeki Urayama, M.D., et al.
(Orthopedic Department, Takaoka City Hospital, Takaoka, Toyama)

Anterior and posterior foraminotomy in cervical spine lesion
Hidetoshi Murata, M.D., et al.
(Department of Neurosurgery, Yokohama City University, Graduate School of Medical Sciences and School of Medicine, Yokohama, Kanagawa)

New method to place the drain tube on the proper position for microendoscopic decompression
Kentaro Mizuno, M.D., et al.
(Department of Orthopaedics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Kyoto)

9:25 ~ 9:35 Break
9:35 ~ 10:30 (55min.)

Main Theme 2-a
〈LBP〉
Chairpersons Norio Kawahara, M.D., Hitoshi Hase, M.D.

Surgical results of anterior lumbar interbody fusion through the paramedian extraperitoneal approach in treatment of chronic discogenic low back pain at the lower lumbar spine: comparison between anterior interbody fusion alone and that associated with posterior fixation using pedicle screws
Tomoaki Kinoshita, M.D., et al.
(Division of Orthopedic Surgery, Narashino-Daiichi Hospital, Narashino, Chiba)

Novel surgical intervention for low back pain associated with degenerative lumbar scoliosis in the elderly
Kiyotaka Yamada, M.D., et al.
(Department of Orthopaedic Surgery, Hiroshima General Hospital, Hatsukaichi, Hiroshima)
Clinical results of Muscle-Preserving Interlaminar Decompression (MILD) for lumbar spinal canal stenosis (LSCS) with low back pain (LBP)  … 130
Shigeyuki Kitanaka, M.D., et al.
(Orthopedic Department, Maizuru Red Cross Hospital, Maizuru, Kyoto)

The study of discogenic low back pain treated by spinal instrumentation  ……………………………………… 132
Takeshi Umebayashi, M.D., et al.
(Shin-Yokoham Spine Clinic, Yokoham, Kanagawa)

Clinical results of microendoscopic decompression via midline approach for degenerative spondylolisthesis with low back pain  ………………… 134
Yasuo Mikami, M.D., et al.
(Department of Orthopaedics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Kyoto)

Clinical results of MIS-TLIF for lumbar disc lesion with Modic changes  ……………………………………… 136
Yasuhiro Kaneko, M.D., et al.
(Department of Orthopedic Surgery, Kawasaki Municipal Kawasaki Hospital, Kawasaki, Kanagawa)

10:30~10:45 (15min.)

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Chairpersons  Makoto Taniguchi, M.D.

Two curative cases with lumbar disk hernia complicated with ring apophysis fracture  ……………………………………………………………… 270
Eiichiro Honda, M.D., et al.
(Department of Neuropinal Surgery, Shiroishi Kyoritsu Hospital, Kishima, Saga)

Surgical strategy of far lateral lumbar disc herniation and foraminal stenosis  ……………………………………… 272
Yohei Kudo, M.D., et al.
(Department of Neurosurgery, Nishijima Hospital, Numazu, Shizuoka)

10:45~11:00  Break  15min.
11:00～12:10 (70min.)

**Spine Leader’s Lecture A (Postgraduate Lecture of JOA)**

11:00～11:17 (17min.)
Chairperson  Takanori Saito, M.D.

**SLL-I**  Koji Sato, M.D.
(Department of Orthopedic and Spine Surgery, Nagoya Daini Red Cross Hospital, Nagoya, Aichi)
Percutaneous spine implant VIPER system and Seminar for minimally invasive spine stabilization 78
(Johnson & Johnson Co. DePuy Spine)

11:17～11:34 (17min.)
Chairperson  Takashi Yamazaki, M.D.

**SLL-II**  Junichi Kunogi, M.D. (Japanese Red Cross Medical Center Dept. of Spine and Orthop. Surg. Spine Center, Shibuya-ku, Tokyo)
Hybrid type spinal stabilization and fusion system (UFS system: Universal Fusion and Stabilization system) for the treatment of degenerative lumbar spinal disease 80
(Century Medical Inc.)

11:34～11:51 (17min.)
Chairperson  Shigeru Hirabayashi, M.D.

**SLL-III**  Ryuichi Takemasa, M.D. (Department of Orthopaedic Surgery, Kochi Medical School, Nankoku, Kochi)
Recent advances of calcium phosphate cement vertebroplasty 82
(Hoya Co.)

11:51～12:08 (17min.)
Chairperson  Daisuke Togawa, M.D.

**SLL-IV**  Chun-Kun Park, M.D., Ph.D. (Spine Center and Department of Neurosurgery, Seoul St. Mary’s Hospital, The Catholic University of Korea, Seoul, Korea)
Percutaneous vertebral augmentations in acute osteoporotic vertebral fractures: Therapeutic role of "balloone-kyphoplasty" 84
(Medtronic Sofamor-Danek Japan Co.)

12:10～12:20          Break  10min.
12:20～13:20          (Hands-on Session A  53 page)
13:20～13:30          Break  10min.
13 : 30～14 : 30 (60min.)

Special Lecture I (Postgraduate Lecture of JOA)

Chairpersons  Takeshi Uchida, M.D.

[SL-I] Jeffrey C. Wang, M.D. (Professor of Orthopedic and Neurosurgery UCLA School of Medicine UCLA Spine Center, CA, USA)
Minimally Invasive Spine Surgery Update  70
(Cosponsored by Synthes Co.)

14 : 30～14 : 40  Break  10min.

14 : 40～15 : 15 (35min.)

Spine Leader’s Lecture B-1

Chairperson  Yasushi Iwashita, M.D.

[SLL-V] Jean Paul Steib, M.D. (Professor, Department of Spinal Surgery Hip and Fool Surgery, Strasbourg University Hospital, Cedex, France)
In situ contouring technique for spine surgery  86
(Tokibo Co.)

15 : 15～15 : 40  Booth Viewing Time  25min.

15 : 40～16 : 45 (65min.)

Main Theme 1-a
Spinal deformity-1

Chairpersons  Shigeo Sano, M.D., Masashi Saitou, M.D.

[S1-a1] Surgical outcomes of posterior spinal fusion with PLIF for adult spinal deformity  104
Masayuki Ishikawa, M.D., et al.
(Spine and Spinal Cord Center, International University of Health and Welfare, Mita Hospital, Minato-ku, Tokyo)

[S1-a2] Spinal osteotomy using sublaminar wire or cable for kyphosis associated with osteoporosis  106
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(Orthopedic Department, Gifu Prefectural General Medical Center, Gifu, Gifu)
Modified derotation correction maneuver for scoliosis .......................... 108
Masafumi Machida, M.D., et al.
(Department of Orthopaedic Surgery, Higashimurayama, Tokyo)

Pedicle subtraction osteotomy by multi-dimensional method for aged kyphoscoliosis ................................................................. 110
Hiromi Matsuzaki, M.D., et al.
(Nihon University Research Center, Chiyoda-ku, Tokyo)

Corrective spinal fixation by spinal instrumentation for degenerative lumbar scoliosis with a high deformity ........................................ 112
Takeshi Uchida, M.D., et al.
(Orthopedic, Takeshi Uchida Clinic, Kawasaki, Kanagawa)

Dorsal ventral dorsal three stage correction surgery for lumbar kyphosis .......................................................... 114
Kazuyuki Otani, M.D., et al.
(Department of Orthopaedic Surgery, Kudanzaka Hospital, Chiyoda-ku, Tokyo)

A study of the correction angle and complications after correction of kyphosis using the method of PSO (Pedicle Subtraction Osteotomy) ... 116
Yujiro Hirao, M.D., et al.
(Department of Orthopaedic Surgery, Sanraku Hospital, Chiyoda-ku, Tokyo)

16:45 ~ 17:35 (50min.)

Main Theme 4-a
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Chairpersons Kimihiko Mii, M.D., Macondo Mochizuki, M.D.

Diagnosis and treatment of cervical compression myelopathy mimicking intramedullary lesions ........................................ 196
Minoru Hoshimaru, M.D., et al.
(Department of Neurosurgery, Ohtsu Municipal Hospital, Ohtsu, Shiga)

Selective anterior decompression and fusion for cervical OPLL .... 198
Atsuomi Aiba, M.D., et al.
(Orthopedic Department, Numazu City Hospital, Numazu, Shizuoka)

Technical important points in staged decompression surgery via posterior approach for thoracic OPLL ........................................ 200
Shigeru Hirabayashi, M.D., et al.
(Department of Orthopaedic Surgery, Teikyo University Hospital, Itabashi-ku, Tokyo)
Clinical results of undercutting laminectomy via a unilateral spinous process-splitting approach compared with conventional laminoplasty

Takuya Kawai, M.D., et al.
(Orthopaedic Department, Yokohama City University Hospital, Yokohama, Kanagawa)

The clinical study of anterior spinal body fusion for thoracic spinal myelopathy

Hitoshi Kono, M.D., et al.
(Keiyu Orthopaedic Hospital, Keiyu Spine Center, Tatebayashi, Gunma)

17:35 ~ 17:45 Break 10min.

17:45 ~ 18:35 (50min.)

Main Theme 5-a

Chairpersons Yuuichirou Nishijima, M.D., Eiichirou Honda, M.D.

Antero-lateral partial vertebrectomy using b-TCP for continuous OPLL in the narrowed cervical canal-decompression followed by expansion canalplasty of the cervical spine

Fumiyuki Momma, M.D., et al.
(Neurosurgical Service, Yamagata Tokushukai Hospital, Yamagata, Yamagata)

Technique for the pedicle screw insertion in posterior cervical fusion

Nobuyuki Shimokawa, M.D., et al.
(Department of Neurosurgery, Tsukazaki Hospital, Himeji, Hyogo)

Occipital trans-condylar fossa approach to a large cystic mass at the retro-odontoid region associated with AAD

Mikinobu Takeuchi, M.D., et al.
(Department of Neurosurgery, Aichi Medical University Hospital, Aichi, Aich)

Clinical outcome and video presentation of OPLL extirpation from posterior in thoracic OPLL

Macondo Mochizuki, M.D., et al.
(Department of Orthopaedic Surgery, Numazu City Hospital, Numazu, Shizuoka)

Video observation of extradural root in the microcervical foraminotomy — A C6 ventral root tear case and MCF for the C5 paralysis prevention —

Keisuke Fukuda, M.D., et al.
(Orthopedic Moriokayuuai Hospital, Morioka, Iwate)
18:35 ~ 18:50 (15 min.)

**Free Papers h**

\*T-OYL*

**Chairpersons** Shigeru Hirabayashi, M.D.

**F-b1**

A case of circumspinal decompression for thoracic myelopathy due to ossification of the posterior longitudinal ligament

Yosuke Kobayashi, M.D., et al.

(Orthopedic Department, Yokohama City University, Yokohama, Kanagawa)

18:50 ~ 19:00

Break 10 min.

19:00 ~ 20:00

Banquet (4th Floor 419)
8:00  Registration

8:35~9:10 (35min.)

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Chairpersons  Hitoshi Hase, M.D., Minoru Hoshimaru, M.D.

F-b1  Clinical outcome of spinous process splitting approach for lumbar spinal canal stenosis  ................................................................. 254  
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(Orthopaedic Department, Kobe Rosai Hospital, Kobe, Hyogo)

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Tatsuya Yasuda, M.D., et al.  
(Department of Orthopaedic Surgery, Hamamatsu University School of Medicine, Hamamatsu, Shizuoka)

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(Department of Orthopedic Surgery, Ito Orthopedic & Internal Clinic, Niwa, Aichi)

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Takashi Yamazaki, M.D., et al.  
(Department of Orthopedics, Musashino Red Cross Hospital, Musashino, Tokyo)
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Chairpersons Yutaka Hiraizumi, M.D., Koji Sato, M.D.

**M3-b1**

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Norihiko Minami, M.D., et al.
(Orthopedic Department, Kashiwa City Hospital, Kashiwa, Chiba)

**M3-b2**

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Takahisa Kaneko, M.D., et al.
(Department of Neurosurgery, Sapporo Medical University School of Medicine, Sapporo, Hokkaido)

**M3-b3**

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Yusuke Takeda, M.D., et al.
(Orthopedic Department, Toranomon Hospital, Minato-ku, Tokyo)

**M3-b4**

Delayed spinal cord paralysis after percutaneous vertebroplasty of osteoporotic vertebral fractures: A case report .............................. 164
Takatoshi Shimomura, M.D., et al.
(Neurosurgery Department, Ohtsu Municipal Hospital, Ohtsu, Shiga)

**M3-b5**

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Masahiro Joko, M.D., et al.
(Department of Neurological Surgery, Aichi Medical University, Aichi, Aichi)

**M3-b6**

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Takanori Saito, M.D., et al.
(Orthopedic Department, Kansai Medical University Takii Hospital, Moriguchi, Osaka)

10:05 ~ 10:10  Break  5min.
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Chairpersons  Izumi Koyanagi, M.D., Motoo Kubota, M.D.

Surgery of spinal intramedullary tumors: tumor exposure and dissection plane  .................................................. 224
Toshihiro Takami, M.D., et al.
(Department of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Osaka)

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(Department of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Osaka)

The use of split laminoplasty and plated bayonet in surgery of intramedullary spinal cord — tumors technical notes —  ..................... 228
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(Department of Neurosurgery, Juntendo University Urayasu Hospital, Urayasu, Chiba)

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(Department of Spinal Surgery, Kameda Medical Center, Kamogawa, Chiba)

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(Department of Neurosurgery, Shinshu University School of Medicine, Matsumoto, Nagano)

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(Department of Neurosurgery, Kurume University School of Medicine, Kurume, Fukuoka)

10:55～11:00  Break  5min.
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12:10～12:20  Break  10min.

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Hands-on Session A

**Main Hall 2 (502)**
Chairperson Takanori Saito, M.D.
Percutaneous spine implant VIPER system and Seminar for minimally invasive spine stabilization
by Koji Sato, M.D. [Johnson & Johnson Co. DePuy Spine]

**511 - 512**
Chairperson Shigeo Sano, M.D.
Hybrid Type Spinal Stabilization and Fusion System (UFS system: Universal Fusion and Stabilization system) for the Treatment of Degenerative Lumbar Spinal Disease
by Junichi Kunogi, M.D. [Century Medical Inc.]

**411 - 412**
Surgical techniques of the CPC-specific vertebroplasty for osteoporotic vertebral collapse —Knack & Pitfalls—
by Ryuichi Takemasa, M.D. [Hoya, Co.]

**413**
Chairperson Daisuke Togawa, M.D.
Percutaneous vertebral augmentations in acute osteoporotic vertebral fractures: Therapeutic role of "balloon-kyphoplasty"
by Chun Kun Park, M.D., Ph.D. [Medtronic Sofamor-Danek Japan Co.]

13:20 ~ 13:30  Break  10min.
13:30 ~ 14:30  (Special Lecture 1 at Main Hall 1)
14:30 ~ 14:40  Break  10min.
14:40 ~ 15:35 (55min.)

Spine Leader’s Lecture B-2

14:40 ~ 14:57 (17min.)
Chairperson Masashi Saitou, M.D.

**SLL-VI**
Eiji Abe, M.D. [Department of Orthopaedic Surgery, Akita Kumiai General Hospital, Akita, Akita]
Correction of Degenerative Kypho-scoliosis(LDKS) by Multi-level Posterior Lumbar Interbody Fusion(PLIF)- Surgical Technique
[Japan Medical Dynamic Marketing, INC.]
14:57 ~ 15:14 (17min.)
Chairperson  Hiromi Matsuzaki, M.D.

Shigeo Sano, M.D. [Orthopaedic Department, Sanraku Hospital, Chiyoda-ku, Tokyo]
**Pedicle Subtraction Osteotomy - Technique, Complication and Prevention** ........................................... 90
(JPSTSS)

15:14 ~ 15:31 (17min.)
Chairperson  Ken Ishi, M.D.

Kenji Fukaya, M.D. [Department of Neurosurgery, Ayabe Renaiss Hospital, Ayabe, Kyoto]
Experience of percutaneous pedicle screwing for osteoporotic vertebra using Tetracalcium Phosphate Cement (PRIMAFIX®) .... 92
(Japan MDM Inc.)

15:35 ~ 15:45  Break  10min.

15:45 ~ 16:20 (35min.)

Free Papers c

**C-Plasty**

Chairpersons  Youichi Aota, M.D., Masato Hara, M.D.

Dome-like expansion of the caudal half of the lamina for cervical spondylotic myelopathy to minimize damage to posterior extensor mechanism of the cervical spine ........................................... 262
Ryoma Aoyama, M.D., et al.
[Orthopedic Department, Tokyo Dental College Ichikawa General Hospital, Ichikawa, Chiba]

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Shun-Ichi Kihara, M.D., et al.
(Department of Neurosurgery, Ohtsu Municipal Hospital, Ohtsu, Shiga)

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Yoshifumi Kawanabe, M.D., et al.
(Department of Neurosurgery, Ohtsu Municipal Hospital, Ohtsu, Shiga)
New threads that can be passed easily through the laminae in double-door laminoplasty ........................................ 268
Tsukasa Nishiura, M.D., et al.
(Department of Neurosurgery, National Hospital Organization Iwakuni Clinical Center, Iwakuni, Yamaguchi)

16:20 ~ 16:55 (35min.)

Free Papers e
〈C-PS〉

Chairpersons Masashi Neo, M.D., Tatsuo Takahashi, M.D.

Study on cervical pedicle screw displacement in CT-based navigation system .................................................. 274
Shiro Imagama, M.D., et al.
(Department of Orthopaedic Surgery, Nagoya University, Nagoya, Aichi)

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Akira Itoi, M.D., et al.
(Orthopaedic Surgery, Juntendo University Shizuoka Hospital, Izunokuni, Shizuoka)

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(Orthopedic Department, Yokohama City University, Yokohama, Kanagawa)

The usefulness of double C-arms in the percutaneous transpedicular approach................................................. 280
Masayuki Nakahar, M.D., et al.
(Department of Spine Surgery, Shinkomonji Hospital, Kitakyushu, Fukuoka)

16:55 ~ 17:30 (35min.)

Free Papers g
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Chairpersons Masanori Ito, M.D., Hideo Hosoe, M.D.

Usefulness of posterior spinous process plate fixation in addition to long anterior cervical fusion — To avoid halo-vest immobilization — ................ 292
Kei Watanabe, M.D., et al.
(Department of Orthopaedic Surgery, Osaka Red Cross Hospital, Osaka, Osaka)
Finite element analysis (FEA) of subsidence of cervical cages after anterior cervical interbody fusion surgery ........................................ 294
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(Hisada Computational Biomechanics Laboratory, The University of Tokyo, Bunkyo-ku, Tokyo)

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Takeshi Takenouchi, M.D., et al.
(Department of Orthopaedic Surgery, Kagoshima Graduate School of Medical and Dental Sciences, Kagoshima, Kagoshima)

Cervical locked facet: analysis of 8 cases ........................................ 298
Masahiko Akiyama, M.D., et al.
(Division of Neurosurgery, Fuji City General Hospital, Fuji, Shizuoka)

17:30~17:40  Break 10min.

17:40~18:50 (70min.)

Free Papers a

< C1/C2 >

Chairpersons Naoki Asami, M.D., Masashi Neo, M.D.

Posterior instrumented C1-2 fusion: complication avoidance and management ......................................................... 236
Toru Yamagata, M.D., et al.
(Department of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Osaka)

Utility of wiring with local anesthesia for cervical dislocation fracture (Allen DF type) ......................................................... 238
Akira Ito, M.D., et al.
(Orthopaedic Surgery, Juntendo University Shizuoka Hospital, Izunokuni, Shizuoka)

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Tatsuya Tanaka, M.D., et al.
(Department of Neurosurgery, Arita Kyoritsu Hospital, Nishimatsuura, Saga)

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Naoki Asami, M.D.
(Spine Surgery Ikeda hospital, Kobayashi, Miyazaki)
Surgical result of FMD for Chiari malformation: a retrospective study on re-operation cases ................................................................. 244
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(Department of Spinal Surgery, Kameda Medical Center, Kamogawa, Chiba)

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Masashi Neo, M.D., et al.
(Department of Orthopaedic Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Kyoto)

The surgical outcome for the treatment of Chiari malformation type 1 with or without syringomyelia ........................................ 248
Tomohiro Murakami, M.D., et al.
(Department of Neurosurgery, Sapporo Medical University School of Medicine, Sapporo, Hokkaido)

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(Keiyu Spine Center, Keiyu Orthopedic Hospital, Tatebayashi, Gunma)

The surgical management of upper cervical fracture & dislocation in Hochimim City, Vietnam ....................................................... 252
Von Van Thanh, M.D.
(Spinal Surgery Department A, Hospital for Trauma-Orthopedics Hochimim City, Vietnam)

18:50 ~ 19:00 Break 10min.

19:00 ~ 20:00

Banquet (4th Floor 419)
8:30 Registration

9:00~9:40 (40min.)

Main Theme 1-b
〈Spinal deformity-2〉
Chairpersons Osamu Nakai, M.D., Futoshi Suetsuna, M.D.

**M1-b1**

**Posterior cervical surgery for cervical spondylotic myelopathy associated with athetoid cerebral palsy**

Nobuyuki Shimokawa, M.D., et al.

(Department of Neurosurgery, Tsukazaki Hospital, Himeji, Hyogo)

**M1-b2**

**Long fusion to the sacrum**

Tetsuya Ohara, M.D., et al.

(Orthopaedic Surgery and Spine Center, Meijo Hospital, Nagoya, Aichi)

**M1-b3**

**Complications and indications of posterior lumbosacral fixation with iliac screws**

Juichi Tonosu, M.D., et al.

(Department of Orthopaedic Surgery, Kantoh Rousai Hospital, Kawasaki, Kanagawa)

**M1-b4**

**Posterolateral lumbar interbody fusion (PLIF) combined with indirect claw fixation and dynamization rod for the treatment of osteoporotic vertebral collapse in aged patients**

Masayuki Ishihara, M.D., et al.

(Department of Orthopedic Surgery, Kansai Medical University Takii Hospital, Moriguchi, Osaka)
9:40~9:55 (15min.)

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< Monitoring >
Chairpersons Masafumi Machida, M.D.

Intraoperative spinal cord monitoring using double-train transcranial electrical stimulation ........................................ 304
Sho Kobayashi, M.D., et al.
(Department of Orthopedic Surgery, Hamamatsu University School of Medicine, Hamamatsu, Shizuoka)

Intraoperative MEP for lumbar surgery .......................... 306
Muneyoshi Yasuda, M.D., et al.
(Department of Neurological Surgery, Aichi Medical University, Aichi, Aichi)

9:55~10:05 Break 10min.

10:05~10:22 (17min.)

Spine Leader's Lecture C-1

Chairperson Takanori Saito, M.D.

New challenges in MIS-TLIF with the aim of safe spread .......... 94
(Biomet Japan, Co.)

10:25~10:30 Break 5min.

10:30~11:15 (45min.)

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Chairpersons Shigeo Sano, M.D.

The effectiveness of corrective spinal fusion for spinal deformity ... 72
(JPSTSS)

11:15~11:20 Break 5min.
11 : 20~12 : 30 (70min.)

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

11 : 20~11 : 37 (17min.)
Chairperson Masahiro Kanayama, M.D.

\[\text{SLL-XI} \]
Yasushi Sugawara, M.D. (Department of Plastic Surgery, Jichi Medical University, Shimotsuke, Tochigi)
Seeking wound closure best practice ........................................ 96
[Johnson & Johnson Co. Ethicon]

11 : 37~11 : 54 (17min.)
Chairperson Ken Ishii, M.D.

\[\text{SLL-XII} \]
Jeffrey C. Wang, M.D. (Professor of Orthopedic and Neurosurgery UCLA School of Medicine UCLA Spine Center, CA, USA)
Dynamic MRI for spinal disorders ........................................... 98
[Synthes Co.]

11 : 54~12 : 11 (17min.)
Chairperson Futoshi Suetsuna, M.D.

\[\text{SLL-XIII} \]
Shigeo Sano, M.D. (Orthopedic Department, Sanraku Hospital, Chiyoda-ku, Tokyo)
Technique and results of the Corrective TLIF/PLIF in lumbar spinal canal stenosis with deformity ........................................ 100
[Peter Brehm Japan Inc.]

12 : 11~12 : 28 (17min.)
Chairperson Hiromi Matsuzaki, M.D.

\[\text{SLL-XIV} \]
John P. Kostuik, M.D. (Prof. Emeritus Dept. Orthopaedics/Neurosurgery Johns Hopkins University, VA, USA)
Innovative Zero-torque, Low Profile Fixation in the Treatment of Spinal Deformity ............................................................ 102
[Surgical Spine Inc.]

12 : 30~12 : 40 Break 10min.
12 : 40~13 : 40 (Hands-on Session B 66 page)
13 : 40~13 : 50 Break 10min.
13:50~14:05 (15min.)

General Assembly (Report of board meeting and finance)
President Takeshi Uchida, M.D.

Announcement of President-elect
Masanori Ito, M.D.

14:05~14:20 (15min.)

The First Prize Winner at the 14th International ArgoSpine Symposium 2010
Chairperson Shigeo Sano, M.D.

Angel Escamez-Perez, M.D. (Orthopaedic Dept. Spine Section, Hospital dela Vega Lorenzo Buirao, Spain)
Burst Fracture after an Extreme Lateral Interbody Fusion (XLIF) in a L4-L5 Spondylolisthesis ................................. 76
(Showa Ika Kogyo Co. Ltd.)

14:20~15:20 (60min.)

Special Lecture III (Postgraduate Lecture of JOA)
Chairpersons Youichi Shimada, M.D.

Jeffrey B. Neustadt, M.D. (University of South Florida College of Medicine, Affiliate associate Professor, Department of Surgery and Pediatrics, Florida, USA)
Past, Present, and Future for Treating Lumbar Scoliosis ................... 74
(Cosponsored by Alphatec Pacific, INC.)

15:20~15:30 Break 10min.

15:30~16:10 (40min.)

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Chairpersons Masatoshi Sumi, M.D., Motoo Kubota, M.D.

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Yuichiro Nishijima, M.D.
(Nishijima Spine Clinic, Chofu, Tokyo)
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Satoshi Tanaka, M.D., et al.
(Department of Neurosurgery, Kensei General Hospital, Sakuragawa, Ibaraki)

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Yoichi Aota, M.D., et al.
(Orthopedic Department, Yokohama City University, Yokohama, Kanagawa)

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Hideo Hosoe, M.D., et al.
(Orthopaedic Department, Gifu Prefectural General Medical Center, Gifu, Gifu)

Circumspinal decompression with dekyphosis stabilization for thoracic myelopathy due to OPLL .................................................. 212
Norio Kawahara, M.D., et al.
(Department of Orthopaedic Surgery, Kanazawa Medical University, Kahoku, Ishikawa)

16 : 10 ~ 16 : 50 (40min.)

Main Theme 4-b
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(Arita Kyoritsu Hospital, Department of Neurosurgery, Nishimatsuura, Saga)

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Shinjiro Tomita, M.D., et al.
(Orthopedic Department, Nagasaki Kamitomachi Hospital, Nagasaki, Nagasaki)

16 : 50 ~ 17 : 00  Break  10min.

16 : 10 ~ 16 : 50 (40min.)
Free Papers f
⟨ PLIF ⟩

Chairpersons  Jyunichi Kunogi, M.D., Naoki Asami, M.D.

F-f1  Packing technique of massive bone graft in PLIF/TLIF  282
(Orthopaedic Department, Sanraku Hospital, Chiyoda-ku, Tokyo)

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for symptomatic ASD after L4/5 PLIF?  284
Tomohiro Hikata, M.D., et al.
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F-f3  Strategy for salvage pedicle screw placement  286
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(Department of Orthopaedic Surgery, Graduate School of Medicine, Kyoto University,
Kyoto, Kyoto)

F-f4  Posteolateral fixation with transverse connector via paramedian interferascial approach for thoracolumbar burst fracture  288
Tetsuryu Mitsuyama, M.D., et al.
(Department of Spinal Surgery, Kameda Medical Center, Kamogawa, Chiba)

F-f5  A case of lumbar juxta-facet cyst in a aged patient treated
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Masahito Yuzurihara, M.D., et al.
(Department of Spinal Surgery, Kameda Medical Center, Kamogawa, Chiba)

17:40～17:45

～ Closing Remarks ～

President  Takeshi Uchida, M.D.

(Please understand the content of the program may be changed on the day.)
18 September (Sat.)
Main Hall 2

8:30 Registration

9:00 ~ 9:55 (55min.)

Main Theme 3-c
<MISS-3>
Chairpersons Yuuichirou Nishijima, M.D., Nobuyuki Shimokawa, M.D.

**M3-c1**
Decompressive surgery without fusion for cervical and lumbar radiculopathy
Masahito Hara, M.D., et al.
(Department of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Aichi)

**M3-c2**
Accident and pitfall for percutaneous vertebroplasty with bone-cement, and suggestion
(Department of Orthopaedic Surgery, Nishijima Hospital, Numazu, Shizuoka)

**M3-c3**
Retrojugular approach for anterior cervical keyhole surgery
Masaaki Nakajima, M.D., et al.
(Department of Neurosurgery, Okayama Saiseikai General Hospital, Okayama, Okayama)

**M3-c4**
Cervical operation using percutaneous endoscopic discectomy (PED) system
Sumito Shimizu, M.D., et al.
(Spine and Spinal Cord Center, Omigawa General Hospital, Katori, Chiba)

**M3-c5**
Anterior discectomy of thoracic disc herniation by percutaneous endoscopic discectomy (VATS-PED)
Sumito Shimizu, M.D., et al.
(Spine and Spinal Cord Center, Omigawa General Hospital, Katori, Chiba)

**M3-c6**
Surgical technique of PELD for lumbar disc herniation
Kiyoshi Yoshihara, M.D.
(Orthopedic Department, Sangenijyaya Daiichi Hospital, Setagaya-ku, Tokyo)
### Spine Leader's Lecture C-2

**Chairperson**  
Yukihiro Matsuyama, M.D.

**Oheneba Boachie-Adjei, M.D.**  
(Professor of Orthopedic Surgery  
Weill Cornell Medical College  
Chief of Scoliosis Service  
Hospital for Special Surgery,  
New York, USA)

**Surgical Treatment in Adult Lumbar Scoliosis**  
(Surgical Spine Inc.)

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<td>09:55 - 10:05</td>
<td>Break 10min.</td>
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<td>10:05 - 10:22</td>
<td>(17min.)</td>
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<td>10:25 - 10:30</td>
<td>Break 5min.</td>
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<td>10:30 - 11:15</td>
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<td>11:15 - 11:20</td>
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<td>11:20 - 12:30</td>
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<td>12:30 - 12:40</td>
<td>Break 10min.</td>
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#### Hands-on Session B

**Room**

- **Main Hall 2**  
  (502)

  *Seeking wound closure best practice*  
  by Yasushi Sugawara, M.D.  
  (Johnson & Johnson Co. Ethicon)

- **511-512**

  *Minimally Invasive TLIF*  
  by Jeffrey C. Wang, M.D.  
  (Synthes Co.)

- **411-412**

  *Technique and results of the Corrective TLIF/PLIF in lumbar spinal canal stenosis with deformity*  
  by Shigeo Sano, M.D.  
  (Peter Brehm Japan Inc.)

- **413**

  *A New Pedicle Screw System - MESA Spinal System*  
  by Hiromi Matsuzaki, M.D.  
  (Surgical Spine Inc.)

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<td>15:20 ~ 15:30</td>
<td>Break 10min.</td>
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<td>15:30 ~ 16:35</td>
<td>(65min.)</td>
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**Main Theme 3-d**

〈MISS-4〉

**Chairpersons**
Yutaka Hiraizumi, M.D., Ken Ishii, M.D.

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<tr>
<td>M3-d1</td>
<td>New approaching method (SPICS) in microendoscopic lumbar decompression</td>
<td>Shu Nakamura, M.D., et al. (Department of Orthopedic Surgery, Ito Orthopedic &amp; Internal Clinic, Niwa, Aichi)</td>
</tr>
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<td>M3-d2</td>
<td>The microscopic translaminar approach to lumbar disc herniation</td>
<td>Masayoshi Ohi, M.D., et al. (Fuji Toranomon Orthopaedic Hospital, Spine Center, Gotemba, Shizuoka)</td>
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<td>M3-d3</td>
<td>Lumbar discectomy using muscle-preserving interlaminar decompression (MILD) approach</td>
<td>Yoichiro Hatta, M.D., et al. (Department of Orthopaedic Surgery, Japanese Red Cross Kyoto Daini Hospital, Kyoto)</td>
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<tr>
<td>M3-d4</td>
<td>Newly developed minimally invasive lumbar disc percutaneous nucleotomy (Dekompressor)our preliminary results</td>
<td>Toru Koizumi, M.D., et al. (Department of Neurosurgery, Ohtsu Municipal Hospital, Ohtsu, Shiga)</td>
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<tr>
<td>M3-d5</td>
<td>Surgeon radiation exposure in minimally invasive transthoracic lumbar interbody fusion</td>
<td>Haruki Funao, M.D., et al. (Department of Orthopedic Surgery, Nerima General Hospital, Nerima-ku, Tokyo)</td>
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<td>M3-d6</td>
<td>Early complications of unilateral laminotomy for lumbar canal stenosis; analysis of risk factors in 100 consecutive cases</td>
<td>Dong Yeob Lee, M.D., et al. (Department of Neurosurgery, Wooridul Spine Hospital, Seoul, R.O.K., Seoul, Korea)</td>
</tr>
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</table>
Perioperative complications of sing-level instrumented mini-open transforaminal lumbar interbody fusion for degenerative spondylolisthesis: analysis of risk factors in consecutive 207 patients

Dong Yeob Lee, M.D., et al.
(Department of Neurosurgery, Wooridul Spine Hospital, Seoul, R.O.K., Seoul, Korea)

16:35~16:45  Break  10min.

16:45~17:25 (40min.)

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Chairpersons  Masanori Ito, M.D., Takashi Yamazaki, M.D.

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Tomohiko Hasegawa, M.D., et al.
(Department of Orthopaedic Surgery, Hamamatsu University School of Medicine, Hamamatsu, Shizuoka)

17:25~17:40  Break  15min.

17:40~17:45  (Closing Remarks at Main Hall 1)

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