TUESDAY, JANUARY 29, 2013  (DAY 1)
16:00-17:30  Registration

WEDNESDAY, JANUARY 30, 2013  (DAY 2)
7:00-17:00  Registration
7:00-7:30  Breakfast
7:15-7:30  Opening Remarks, Kiyohiro Houkin, M.D. & Hideyuki Ohnishi, M.D.
7:30-7:50  Vagus nerve stimulation -Mechanism of action-, Amami Kato, M.D.
7:50-8:10  Microvascular decompression for 580 patients with hemifacial spasm. - selection of approaches to root exit zone - Takamitsu Fujimaki, M.D.
8:10-8:30  Surgery of Medically Intractable Temporal Lobe Epilepsy, Tomokatsu Hori, M.D.
8:30-8:50  Japanese Multi-centre Clinical Study of Carmustine Wafers (Gliadel® Wafers) Placement for High-grade Glioma, Tetsuya Yamamoto, M.D.
8:50-9:05  Microvascular decompression for Trigeminal Neuralgia, Tariq Salah Uddin, M.D.

Scientific Session 1 - Epilepsy and functional surgery
Moderated by Takamitsu Fujimaki, M.D. & Kazuo Okuchi, M.D.
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Scientific Session 2- Ischemic cerebrovascular disease
Moderated by Yukitaka Ushio, M.D. & Yoshikazu Okada, M.D.
9:30-9:50  Clinical efficacy and controversy of carotid artery stenting: A systematic review and a author’s experience Yasshiko Akiyama, M.D.
9:50-10:10  Current outcome of the patients with subarachnoid hemorrhage in the single hospital, Tadayoshi Nakagomi, M.D.
10:10-10:30  A role of intraoperative ICG videography for CEA and STA-MCA anastomosis, Toru Inoue, M.D.
10:30-10:50  Surgical treatment of moyamoya disease ----- special reference to how to select the bypass procedures, Toshiro Matsushima, M.D.

Special Lecture 1  Moderated by Kiyohiro Houkin, M.D.
11:00-11:45  Spacer Distraction Of Joint Coupled With Extension As a Treatment Of Basilar Invagination And Atlanto-Axial Dislocation: A novel pilot technique In 65 Cases P Sarat Chandra, M.D.

Luncheon Seminar 1, Moderated by Kintomo Takakura, M.D.
12:00-12:50  MR-Guided Robotic Surgery, Garnette Sutherland, M.D.

General Session 1 - Surgical management of brain tumor
Moderated by Shunsuke Terasaka, M.D.
13:00-13:10  Identification of Venous Sinus, Tumor Location, and Pial Supply During Meningioma Surgery by Transdural Indocyanine Green Videography-The Eclipse sign, Tetsuya Ueba, M.D.
13:10-13:20  Intraoperative continuous monitoring of facial motor evoked potentials in acoustic neuroma surgery, Hiroshi Tokimura, M.D.
13:20-13:30  Our surgical strategy of vestibular schwannoma operation, Kaku Shougo, M.D.
13:30-13:40  Strategy of the Petroclival Meningioma--How to avoid the venous complications in the anterior trans-petrosal approach--, Shin Tanino, M.D.

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THURSDAY, JANUARY 31, 2013  (DAY3)

7:00-12:00  Registration  12:30-13:00  Exhibit and Poster Viewing
7:00-7:30  Breakfast

Scientific Session 4 – Spinal disorder
Moderated by Junya Hanakita, M.D. & Hiroshi Nakagawa, M.D.

7:30-7:45  Pathogenesis of syringomyelia associated with Chiari type 1
malformation: Possible role of vascular mechanisms,
Izumi Koyanagi, M.D.

7:45-8:05  Surgical strategy and management in the posterior stabilization
of upper cervical spine, Hiroyuki Nakase, M.D.

8:05-8:25  Recent advances of minimally spinal surgery in Japan with
emphasis on BKP (Balloon kyphoplasty) and PELD
(Percutaneous endoscopic lumbar discectomy),
Junichi Mizuno, M.D.

8:25-8:45  Surgical approach for spinal intramedullary tumors: Approach
selection and importance of the tumor-cord interface,
Toshiro Takami, M.D.

8:45-9:05  Techniques of Spinal Tumor Surgery, Basant Pant, M.D.

9:05-9:25  Microsurgery in large intramedullary ependymomas,
Vo Van Nho, M.D.

Round Table 1 – Beyond the ischemic penumbra
Moderated by Waro Taki, M.D. & Izumi Nagata, M.D.

9:30-9:50  Revascularization on acute cerebral ischemia –New horizon
beyond penumbra, Michiyasu Suzuki, M.D.

9:50-10:10  Current strategy of carotid artery stenting, Nobuyuki Sakai,
M.D.

10:10-10:30  Role of cerebral perfusion imaging for acute stroke patients,
Joji Nagakawara, M.D.

10:30-10:50  Usefulness of intraoperative mild hypothermia for vascular
disease, Teruyasu Hirayama, M.D.

Scientific Session 5 – AVM and CCM
Moderated by Kazuo Hashi, M.D., & Hiroshi Sano, M.D.

11:10-11:30  Treatment for cerebral vascular malformations,
Kazuhiko Nozaki, M.D.

11:30-11:50  Planning surgical strategy for brainstem lesions,
Nobuhito Saito, M.D.

11:50-12:10  Surgery for the cavernous malformation in the brainstem,
Kazuhiro Hongo, M.D.

12:10-12:30  Microsurgery for cerebellar arteriovenous malformations; Ideas
for the access windows to the feeding arteries,
Shinji Nagata, M.D.

13:00-  Golf Tournament for the 6th International Mt. BANDAI
Symposium for Neuroscience (at Waikoloa Beach Golf Course)

19:00-  Presidential Banquet for the 6th International Mt. BANDAI
Symposium for Neuroscience
FRIDAY, FEBRUARY 1, 2013  (DAY4)

7:00-17:00  Registration

7:00-7:30  Breakfast

Scientific Session 6 – Endoscopic Surgery
Moderated by Akio Morita, M.D.
7:30-7:50  The development of 3D lateral and straight view endoscopy and robotic surgical system for the surgery of malignant glioma, Yasukazu Kajita, M.D.
7:50-8:05  The advantages and limitations in endoscopic extended endonasal transphenoidal surgery of adult craniopharyngiomas, Tetsuya Nagatani, M.D.
8:05-8:25  Combined endoscopic and open approach to the skull base tumor with wide extracranial extension, Koji Fujita, M.D.
8:25-8:45  Surgery of Orbital Tumors: Operative Technique & Results in 85 cases, Takanori Fukushima, M.D.
8:45-9:05  Advantages and limitations in endoscopic extended endonasal transphenoidal surgery of adult craniopharyngiomas, Tetsuya Nagatani, M.D.

Scientific Session 7 – Cerebral Aneurysm
Moderated by Hiroki Kinouchi, M.D. & Hiroyasu Kamiyama, M.D.
9:05-9:25  Aneurysm surgery assisted by endoscope and intraoperative fluorescence angiography, Hiroki Kinouchi, M.D.
9:25-9:40  Accurate Bloodless Approaches and Vascular Reconstruction for Complex Aneurysms, Rokuya Tanigawa, M.D.
9:40-10:00  Various surgical strategies using vein graft bypass for complicated carotid aneurysmal lesions, Yoshikazu Okada, M.D.
10:00-10:15  Low wall shear stress is independently associated with the rupture status of MCA aneurysms: CFD analysis from 3D rotational angiography, Fujimaro Ishida, M.D.
10:15-10:35  , Geardo Legaspi, M.D.
10:35-10:55  Eyebrow Surgery for Anterior Circulation Aneurysms: Operative Nuances, Asa Al Fauzi, M.D.

Special Lecture 4, Moderated by Hiroshi Abe, M.D.
11:00-11:45  flow based revascularization strategies for complex aneurysms, Fady T. Charbel, M.D.

Luncheon Seminar 2, Moderated by Shigeaki Kobayashi, M.D.
12:00-12:50  Evolution of the Fukushima Bypass: Classification and Technical Pearls, Takanori Fukushima, M.D.

General Session 4 - Pathogenesis and diagnosis of CVD
Moderated by Hideyuki Ohnishi, M.D.
13:00-13:10  Aneurysmal formation at STA-MCA anastomotic site. Two case reports, Yoshinari Miyakwa, M.D.
13:10-13:20  Clinical presentation of intracranial artery stenosis with Graves’ disease, Hiroshi Tokimura, M.D.
13:20-13:30  The Use of susceptibility-weighted imaging as an indicator of retrograde leptomeningeal venous drainage and venous congestion with dual arteriovenous fistula: diagnosis and follow-up after treatment, Ichiro Nakagawa, M.D.
13:30-13:40  Pulse-gated cine MRI is useful for simulation of superficial temporal artery-middle cerebral artery anastomosis, Tora Inagaki, M.D.
13:40-13:50  Measurement of cerebral reserve capacity using acetazolamide loading Xenon CT CBF before carotid endarterectomy, Tetsuo Yamashita, M.D.

General Session 5 - Therapeutic variation for CVD
Moderated by Rokuya Tanigawa, M.D.
13:50-14:00  Stent-assisted coil embolization for ruptured vertebral artery dissection, Toshiaki Ueno, M.D.
14:00-14:07  Significance of the preventive bypass surgery against cerebral infarction due to cerebral vasospasm secondary to ruptured aneurysm patients with intracranial major trunk occlusion / severe stenosis, Katsuhiko Murawchi, M.D.

14:07-14:17  Effect of endoscopic evacuation of intracerebral hemorrhage, Hiroyuki Kon, M.D.
14:17-14:27  Graft selection and bypass procedures in cerebral revascularization, Yasushi Shin, M.D.
14:27-14:34  Evaluating the Efficacy of Intraoperative indocyanine green fluorescent angiography in carotid endarterectomy, Yoshimasa Niwa, M.D.
14:44-14:59  Management of intracranial high-flow arteriovenous shunts ---Role of endovascular treatment with ED coils--- Kenichi Murao, M.D.

General Session 6 – Adjuvant therapy for brain tumor
Moderated by Naoya Hashimoto, M.D.
15:10-15:20  Bevacizumab for progressive radiation necrosis, Motomasa Furuse, M.D.
15:20-15:30  Concomitant bevacizumab therapy for recurrent malignant glioma: a single-institution experience, Hiroki Uchida, M.D.
15:30-15:40  The role of gamma knife surgery following gross total removal of WHO grade 2 meningiomas, Hiroshi Goto, M.D.
15:40-15:50  Imaging of DNA synthesis rate of malignant brain tumor with newly developed PET molecular imaging probe 11C-4DST, Motoki Inaji, M.D.

Scientific Session 8 – Basic Science and new technology
Moderated by Kiyohiro Houkin, M.D.
15:50-16:05  WT1 peptide vaccination for malignant gliomas; basic findings and clinical trials, Naoya Hashimoto, M.D.
16:05-16:30  Imaging of DNA synthesis rate of malignant brain tumor with newly developed PET molecular imaging probe 11C-4DST, Motoki Inaji, M.D.
16:30-17:00  Role of Quantitative Flow Measurements in Cerebrovascular Disease, Sepideh Amin-Hanjani, M.D.
17:00-17:25  Intra-operative Imaging Solutions for Neurosurgery, Ivan Ng, M.D.

Special Lecture 5, Moderated by Tomio Sasaki, M.D.
17:50-18:25  , Ketan R. Bulsara, M.D.

Special Lecture 6, Moderated by Akinori Kondo, M.D.
18:25-19:10  Management of Anterior Fossa Meningiomas: Minimally Invasive & Skull Base Strategies, John Tew, M.D.
**SATURDAY, FEBRUARY 2, 2013  (DAY5)**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>7:00-12:00</td>
<td>Registration</td>
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<td>Golf Tournament for the 7th Pan-Pacific Neurosurgery Congress</td>
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<td>(at Waikoloa Beach Golf Course)</td>
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<td>7:00-7:30</td>
<td>Scientific Session 9 – Neuroimaging and monitoring</td>
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<td>7:30-7:50</td>
<td>The Clinical Importance of Functional Reorganizations, Yukihiko Fujii, M.D.</td>
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<td>7:50-8:10</td>
<td>Characteristics of vessel walls and blood flow by multi-modality imaging for vascular surgery, Kyosuke Kamada, M.D.</td>
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<td>8:10-8:30</td>
<td>CSF hydrodynamics assessed by curl and pressure gradients based on Magnetic Resonance velocity imaging, Mitsunori Matsumae, M.D.</td>
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<td>8:30-8:50</td>
<td>Update in intraoperative monitoring in cerebrovascular surgery, Tatsuya Sasaki, M.D.</td>
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<td>8:50-9:10</td>
<td>Fluorescence-guided neurosurgery for gliomas, Toshihiko Kuroiwa, M.D.</td>
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<td>9:10-9:30</td>
<td>Visualization of the diffusion characteristics of the human brain, Hitoshi Matsuoka, M.D.</td>
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<td>9:30-9:50</td>
<td>Round Table 2 – Novel concept and strategy for malignant brain tumors, Moderated by Shunsuke Terasaka, M.D., Toshihiko Wakabayashi, M.D.</td>
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<td>9:50-10:10</td>
<td>Boron neutron capture therapy for malignant brain tumors, current status and future prospects, Shin-Ichi Miyatake, M.D.</td>
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<td>10:10-10:30</td>
<td>Current Treatment Strategy for Malignant Brain Tumors, Toshihiko Wakabayashi, M.D.</td>
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<td>10:30-10:50</td>
<td>Skull Base Surgery: Beyond Approach, Eiji Kohmura, M.D.</td>
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<td>11:00-11:20</td>
<td>Scientific Session 10 – Emergent Neurosurgery</td>
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<td>11:20-11:40</td>
<td>Update of surgical technique on ruptured cerebral arteriovenous malformations, Hiroki Kurita, M.D.</td>
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<td>11:40-12:00</td>
<td>Current status of acute stroke intervention in Japan: findings from RESCUE-Japan Registry, Shinichi Yoshimura, M.D.</td>
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<td>12:00-12:20</td>
<td>Pathological findings of cerebral amyloid angiopathy (CAA) in patients with primary subcortical hemorrhage, Kenichi Kikuta, M.D.</td>
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<td>12:20-12:40</td>
<td>Feature of emergent surgery for subarachnoid hemorrhage in Japan, Fusao Ikawa, M.D.</td>
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<td>Toward Zero Mortality in Acute Epidural Hematoma : A review in 268 cases. Problems and Challenges in the Developing Country, Asra Al Fauzi, M.D.</td>
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SUNDAY, FEBRUARY 3, 2013 (DAY6)

7:00-12:00 Registration
7:00-7:30 Breakfast

Scientific Session 11 – Skull base Surgery
Moderated by Kiyoshi Saito, M.D. & Shinji Nagahiro, M.D.

8:00-8:20 Skull base surgery: present strategies and future prospect of histologically or clinically malignant skull base tumors, Kiyoshi Saito, M.D.

8:20-8:40 Purely endoscopic endonasal approach for giant pituitary tumors, Naoyuki Nakao, M.D.

8:40-9:00 Microsurgical Approaches and Techniques for Skull Base Meningiomas, Shinji Nagahiro, M.D.

9:00-9:20 Microsurgical treatment of acoustic neuroma, Chang Jin Kim, M.D.

Scientific Session 12 – Contemporary Topics in Neurosurgery
Moderated by Kazuo Watanabe, M.D. & Satoshi Kuroda, M.D.

10:00-10:20 Recent Advancements of the Neurovascular Surgery - the Maximum Flow Reduction Strategy for Partially Thrombosed Giant Aneurysms in the Posterior Circulation, Koji Iihara, M.D.


10:40-11:00 Transplantation of autologous bone marrow stromal cells (BMSC) for ischemic stroke – Strategy and tactics for clinical application, Satoshi Kuroda, M.D.

11:00-11:20 Patient Safety in Neurosurgical Care, Endro Basuki, M.D.

11:20-11:40 International Cooperation in Neurosurgery, Basant Pant, M.D.

General Session 7 – Surgical manegement of CVD
Moderated by Naoki Nakayama, M.D.

11:40-11:50 Treatment strategy for multiple aneurysms associated with subarachnoid hemorrhage, Atsushi Saito, M.D.

11:50-12:00 Surgery of recurrent intracranial aneurysms after neck clipping, Yosuke Ishii, M.D.

12:00- Closing Remarks, Kiyohiro Houkin, M.D. & Hideyuki Ohnishi, M.D.