### May 19 (Sat.)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:20</td>
<td><strong>Morning Seminars</strong> (Room 4-7)</td>
</tr>
<tr>
<td>8:20</td>
<td>The 32nd Microneurosurgical Anatomical Seminar “Preservation of Cranial Nerves”</td>
</tr>
<tr>
<td>8:30</td>
<td><strong>Special Program 1</strong> Up-to-Date Neurosciences</td>
</tr>
<tr>
<td>10:30</td>
<td>Moderators: Takashi Tamiya &amp; Toru Inoue &amp; Kiyoshi Saito</td>
</tr>
<tr>
<td>11:50</td>
<td><strong>Luncheon Seminars</strong> (Room 1-8)</td>
</tr>
<tr>
<td>12:00</td>
<td><strong>General Assembly</strong></td>
</tr>
<tr>
<td>13:00</td>
<td><strong>Special Lecture</strong></td>
</tr>
<tr>
<td>14:00</td>
<td>Tasuku Honjo</td>
</tr>
<tr>
<td>15:10</td>
<td><strong>Honored Guest Lecture</strong></td>
</tr>
<tr>
<td>15:50</td>
<td>Chang Wan Oh</td>
</tr>
<tr>
<td>16:00</td>
<td><strong>Special Program 2</strong> Challenges of Neurosurgical Subspecialties</td>
</tr>
<tr>
<td>18:20</td>
<td><strong>JNS President Lecture</strong></td>
</tr>
<tr>
<td>18:50</td>
<td><strong>Banquet</strong></td>
</tr>
</tbody>
</table>

### May 20 (Sun.)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:20</td>
<td><strong>Morning Seminars</strong> (Room 4-7)</td>
</tr>
<tr>
<td>8:20</td>
<td><strong>Special Program 1</strong> Benign Brain Tumors</td>
</tr>
<tr>
<td>10:10</td>
<td>Moderators: Kazunari Yoshida &amp; Kenji Ohata</td>
</tr>
<tr>
<td>11:50</td>
<td><strong>Luncheon Seminars</strong> (Room 1, 2, 4-7, 9)</td>
</tr>
<tr>
<td>13:00</td>
<td><strong>Ischemic Cerebrovascular Diseases</strong></td>
</tr>
<tr>
<td>14:50</td>
<td>Moderators: Satoshi Kuroda &amp; Koji Iihara</td>
</tr>
<tr>
<td>15:00</td>
<td><strong>Closing Remarks</strong></td>
</tr>
<tr>
<td></td>
<td>Congress President: Jun Takahashi</td>
</tr>
</tbody>
</table>
Day 1: Thursday, May 17, 2018

16:00-18:00

VS1  Video Educational Seminars 1

**Moderators**: Hidehiro Oka (Kitasato University Medical Center, Saitama)
Mitsuhito Mase (Nagoya City University, Aichi)
Toru Iwama (Gifu University, Gifu)

1. Craniotomy technique for deep-seated cerebral lesions: understanding of its indications and limitations
   - Soichi Oya (Saitama Medical Center, Saitama)

2. Endoscopic endonasal skull base surgery for clival tumors
   - Hiroyoshi Akutsu (University of Tsukuba, Ibaraki)

3. Endoscopic skull base surgery for parasellar lesions
   - Yudo Ishii (Jikei University, Tokyo)

4. Standard technique and pitfalls of endoscopic third ventriculostomy and endoscopic tumor biopsy
   - Nobuyuki Nakajima (Tokyo Medical University, Tokyo)

5. Surgical technique of lobectomy for frontal and temporal tumor
   - Takashi Maruyama (Tokyo Women’s Medical University, Tokyo)

6. Surgical nuances of microvascular decompression for trigeminal neuralgia, hemifacial spasm, and glossopharyngeal neuralgia
   - Hiroki Toda (Fukui Red Cross Hospital, Fukui)

18:00-20:00

VS2  Video Educational Seminars 2

**Moderators**: Minoru Hoshimaru (Shin-aikai Spine Center, Osaka)
Tatsuya Sasaki (Tohoku Medical and Pharmaceutical University, Miyagi)
Yuichi Murayama (Jikei University, Tokyo)

1. Anterior cervical spine surgery: basic concept and advanced techniques
   - Toru Yamagata (Osaka City General Hospital, Osaka)

2. Surgery of myelomeningocele and spinal lipoma
   - Akira Gomi (Jichi Children’s Medical Center Tochigi, Tochigi)

3. Three Souls for preservation of perforators in the aneurysmal clipping
   - Naoki Nakayama (Hokkaido University, Hokkaido)

4. EC–IC bypass toward 100% patency
   - Akitsugu Kawashima (Tokyo Women’s Medical University Yachiyo Medical Center, Chiba)

5. Coil embolization with the focus on highly curability
   - Takashi Izumi (Nagoya University, Aichi)

6. Transarterial embolization of cerebral AVMs warranting both safety and efficacy
   - Tetsu Satow (National Cerebral and Cardiovascular Center, Osaka)
Day 2: Friday, May 18, 2018

8:20–8:30  
Opening Remarks  
Jun Takahashi (National Cerebral and Cardiovascular Center, Osaka)

8:30–10:10  Plenary Session  
PS1  Hemorrhagic Cerebrovascular Diseases

Moderators:  
Tomohito Hishikawa (Okayama University, Okayama)  
Hiroki Kurita (International Medical Center, Saitama Medical University, Saitama)  
Hidenori Oishi (Juntendo University, Tokyo)  
Yasushi Takagi (Tokushima University, Tokushima)  
Takeshi Funaki (JAM Trial Group)

1. Natural history of unruptured cerebral aneurysms: cutting-edge knowledge and feedback to clinical decision  
Tomohito Hishikawa (Okayama University, Okayama)

2. Direct aneurysm surgery in multimodal treatment era  
Hiroki Kurita (International Medical Center, Saitama Medical University, Saitama)

3. Endovascular first policy for the management of intracranial aneurysms in the multimodality era  
Hidenori Oishi (Juntendo University, Tokyo)

4. Evidence and real world in the surgical treatment of brain arteriovenous malformations  
Yasushi Takagi (Tokushima University, Tokushima)

5. Treatment for hemorrhagic Moyamoya disease: Future prospects  
Takeshi Funaki (JAM Trial Group)

10:10–11:50  Plenary Session  
PS2  Gliomas and Metastatic Brain Tumors

Moderators:  
Naoya Hashimoto (Kyoto Prefectural University of Medicine, Kyoto)  
Mitsutoshi Nakada (Kanazawa University, Ishikawa)  
Akitake Mukasa (Kumamoto University, Kumamoto)  
Taiichi Saito (Tokyo Women’s Medical University, Tokyo)  
Toshihiko Iuchi (Chiba Cancer Center, Chiba)

1. The 2016 WHO classification of CNS tumors and molecular diagnosis  
Naoya Hashimoto (Kyoto Prefectural University of Medicine, Kyoto)

2. The standard care for glioblastoma and future prospective  
Mitsutoshi Nakada (Kanazawa University, Ishikawa)

3. Therapeutic strategies for grade II/III gliomas  
Akitake Mukasa (Kumamoto University, Kumamoto)

4. Intraoperative monitoring for glioma surgery  
Taiichi Saito (Tokyo Women’s Medical University, Tokyo)

5. The strategy for treating brain metastases in the era of molecular targeting therapy  
Toshihiko Iuchi (Chiba Cancer Center, Chiba)
13:10–13:40 CNS President Lecture

**Laser ablation for epilepsy: lessons learned**

*Moderator*: Nobuhiro Mikuni (Sapporo Medical University, Hokkaido)
*Speaker*: Ashwini D. Sharan (Professor of Neurological Surgery and Neurology at Sidney Kimmel Medical College, Division Chief of Functional and Epilepsy Surgery, Program Director of Residency Program, Thomas Jefferson University)

13:40–15:00 Plenary Session

**PS3** Epilepsy and Functional Neurosurgery

*Moderators*: Kensuke Kawai (Jichi Medical University, Tochigi)
Takaomi Taira (Tokyo Women’s Medical University, Tokyo)
Discussants: Takeharu Kunieda (Ehime University, Ehime)
Chikashi Fukaya (Nihon University, Tokyo)

1. **Accurate diagnosis of epileptic focus in epilepsy surgery: Update**
   
   Riki Matsumoto (Department of Neurology, Graduate School of Medicine, Kyoto University, Kyoto)

2. **Future perspective in epilepsy surgery in Japan**
   
   Masaki Iwasaki (National Center Hospital of Neurology and Psychiatry, Tokyo)

3. **Spinal cord stimulation for chronic intractable pain**
   
   Takashi Agari (Center of Neuromodulation, Kurashiki Heisei Hospital, Okayama)

4. **Deep brain stimulation for movement disorders**
   
   Yoshinori Higuchi (Chiba University, Chiba)

15:00–16:00 Plenary Session

**PS4** Neurotrauma

*Moderators*: Eiji Kohmura (Kobe University, Kobe)
Minoru Fujiki (Oita University, Oita)
Discussant: Akihiro Miyata (Chiba Emergency Medical Center, Chiba)

1. **Corresponding to geriatric traumatic brain injury in patients taking antithrombotic agent**
   
   Eiichi Suehiro (Yamaguchi University, Yamaguchi)

2. **ICU management strategies for severe traumatic brain injury**
   
   Kotaro Oshio (St. Marianna University School of Medicine, Kanagawa)

3. **Criteria for CT and follow up of mild head trauma**
   
   Naoto Shiomi (Emergency Medical Care Center, Saiseikai Shiga Hospital, Shiga)
Simultaneous interpretation

Program

The 38th Annual Meeting of The Japanese Congress of Neurological Surgeons

16:00—17:20

Plenary Session

**PS5**  Spinal Diseases

**Moderators:**  
Masakazu Takayasu (Aichi Medical University, Aichi)  
Hiroyuki Nakase (Nara Medical University, Nara)  

**Discussants:**  
Nobuyuki Shimokawa (Tsukazaki Hospital, Hyogo)  
Toshikiko Inui (Tominaga Hospital, Osaka)  

1. Complications related to spinal instrumentation in cervical fusion  
   Motohiro Takayama (Otsu City Hospital, Shiga)

2. Minimally invasive lumbar fusion surgery: current status and future challenges  
   Shigeo Ueda (Shin-ai kai Spine Center, Osaka)

3. Pitfalls of the preoperative diagnosis and the surgical strategy for spinal cord tumors  
   Kiyoshi Ito (Shinshu University, Nagano)

4. Safety management in spinal instrumentation surgery: importance of intraoperative image guidance  
   Kentaro Naito (Osaka City University, Osaka)

17:20—18:40

Plenary Session

**PS6**  Pediatric Neurosurgery

**Moderators:**  
Masakazu Miyajima (Juntendo Tokyo Koto Geriatric Medical Center, Tokyo)  
Reizo Shirane (Miyagi Children’s Hospital, Miyagi)  

**Discussants:**  
Kenichi Nishiyama (Niigata Medical Center, Niigata)  
Tetsuya Yamamoto (Yokohama City University, Kanagawa)  

1. The strategy and prognosis of implanting ventriculoperitoneal (VP) shunts for children on the basis of statistical analysis  
   Yuzuru Tashiro (Shizuoka Children’s Hospital, Shizuoka)

2. Diagnosis and treatment of craniosynostosis—Current status and task—  
   Takuya Akai (University of Toyama, Toyama)

3. Fetal surgery for myelomeningocele  
   Masayuki Endo (Department of Obstetrics and Gynecology, Osaka University, Osaka)

4. The management of pediatric brain tumors based on recent evidences and strategies  
   Akihide Kondo (Juntendo University, Tokyo)
The 38th Annual Meeting of The Japanese Congress of Neurological Surgeons

Day 3 : Saturday, May 19, 2018

7:20-8:20 Morning Seminars
MS1-MS4

8:30-10:30
The 32nd Microneurosurgical Anatomical Seminar “Preservation of Cranial Nerves”

Moderators : Takashi Tamiya (Kagawa University, Kagawa)
Toru Inoue (Fukuoka University, Fukuoka)
Kiyoshi Saito (Fukushima Medical University, Fukushima)

1. Preservation of the olfactory nerve in the anterior skull base surgery
   Naoyuki Nakao (Wakayama Medical University, Wakayama)

2. Preservation of optic nerve in carotid aneurysmal surgery
   Tetsuyoshi Horiuchi (Shinshu University, Nagano)

3. Surgical excision for cavernous sinus tumors: How to preserve III, IV, VIth cranial nerve function
   Takeo Goto (Osaka City University, Osaka)

4. Surgical approaches for trigeminal schwannoma
   Masahiro Toda (Keio University, Tokyo)

5. Preservation of facial and hearing functions in vestibular schwannoma surgery
   Michihiro Kohno (Tokyo Medical University, Tokyo)

6. Tips and pearls of surgical resection for the jugular foramen tumors to preserve neural function
   Masahiko Wanibuchi (Sapporo Medical University, Hokkaido)
Simultaneous interpretation

The 38th Annual Meeting of The Japanese Congress of Neurological Surgeons

Day 3: Saturday, May 19, 2018

10:30—11:50 Special Program 1

S1 Up-to-Date Neurosciences

Moderators: Kazuhiko Nozaki (Shiga University of Medical Science, Shiga)
Isao Date (Okayama University, Okayama)

1. Stem cell-based therapy for Parkinson’s disease
   Jun Takahashi (Center for iPS Cell Research and Application, Kyoto University, Kyoto)

2. Future prospection for the development of a novel medical therapy or a diagnostic method for an intracranial aneurysm
   Tomohiro Aoki (Department of Molecular Pharmacology, Research Institute, National Cerebral and Cardiovascular Center, Osaka)

3. The near-future treatment of brain tumors based on human cell atlas and artificial intelligence
   Atsushi Natsume (Nagoya University, Aichi)

4. Modeling and decoding of the human brain
   Shinji Nishimoto (CiNet, National Institute of Information and Communications Technology, Osaka)

12:00—13:00 Luncheon Seminars

LS9–LS16

Room 1~8

13:10—14:00 General Assembly

14:10—15:10 Special Lecture

Amazing Power of the Immune System

Moderator: Nobuo Hashimoto (Kobe City Hospital Organization, Kobe)
Speaker: Tasuku Honjo (Kyoto University Institute for Advanced Study/Department of Immunity and Genomic Medicine, Kyoto University School of Medicine, Kyoto)

15:10—15:50 Honored Guest Lecture

Long-term outcomes of treatment for unruptured intracranial aneurysms in Korea: clipping versus coiling

Moderator: Jun Takahashi (National Cerebral and Cardiovascular Center, Osaka)
Speaker: Chang Wan Oh (Professor and Chairman, Department of Neurosurgery, Seoul National University College of Medicine)
16:00–18:20  Special Program 2

S2  Challenges of Neurosurgical Subspecialties

**Moderators:**
- Susumu Miyamoto (Kyoto University, Kyoto)
- Nobuhito Saito (The University of Tokyo, Tokyo)
- Kaoru Kurisu (Hiroshima University, Hiroshima)

1. **Quo Vadis, cerebrovascular surgery —Just the way it is!**
   - Teiji Tominaga (Tohoku University, Miyagi)

2. **Current status and perspective of neuro endovascular therapy**
   - Nobuyuki Sakai (Kobe City Medical Center General Hospital, Hyogo)

3. **Treatment for patients with brain tumor —current status and future direction**
   - Yukihiko Sonoda (Yamagata University, Yamagata)

4. **Functional Neurosurgery —current status and future—**
   - Haruhiko Kishima (Osaka University, Osaka)

5. **Future of neurospinal surgery —restoration of dynamic stability, agility and physiological neuro–musculoskeletal control**
   - Phyö Kim (Dokkyo Medical University, Tochigi)

6. **Current status of pediatric neurosurgery and near future**
   - Hiroaki Sakamoto (Osaka City General Hospital, Osaka)

7. **Future of the Japan Society of Neurotraumatology (JSNT)**
   - Michiyasu Suzuki (Yamaguchi University, Yamaguchi)

18:20–18:50  JNS President Lecture

**The goals of Japan Neurosurgical Society in 2020’s**

**Moderator:**
- Takamasa Kayama (Department of Advanced Medicine, Yamagata University School of Medicine, Yamagata)

**Speaker:**
- Hajime Arai (Juntendo University, Tokyo)

19:00–20:30  Banquet

Exhibition Room
Day 4: Sunday, May 20, 2018

7:20–8:20  Morning Seminars

MS5–MS8

Room 4～7

8:30–10:10  Plenary Session

PS7  Benign Brain Tumors

Moderators: Kazunari Yoshida (Keio University, Tokyo)
            Kenji Ohata (Osaka City University, Osaka)
Discusants: Takakazu Kawamata (Tokyo Women’s Medical University, Tokyo)
           Takayuki Matsuo (Nagasaki University, Nagasaki)

1. Strategy for the treatment of intracranial meningioma
   Takayuki Hara (Toranomon Hospital, Tokyo)

2. Operative indication and strategies in pituitary adenomas
   Masahiko Tosaka (Gunner University, Gunma)

3. Surgical indications and strategies for hemangioblastomas
   Hirofumi Nakatomi (The University of Tokyo, Tokyo)

4. Surgical indication and treatment strategy for lateral ventricle and third ventricle tumors
   Koji Yoshimoto (Kyushu University, Fukuoka)

5. Stereotactic irradiation for schwannoma and meningioma
   Hidefumi Aoyama (Department of Radiology and Radiation Oncology,
   Niigata University Graduate School of Medical and Dental Sciences, Niigata)

10:10–11:50  Plenary Session

PS8  Emergency Neurosurgery

Moderators: Yoshiaki Shikawa (Kyorin University, Tokyo)
            Tetsuya Ueba (Kochi University, Kochi)
Discusants: Akio Hyodo (Dokkyo Medical University Saitama Medical Center, Saitama)
           Hiroshi Okudera (Department of Emergency and Disaster Medicine, University of Toyama, Toyama)
           Takashi Araki (Department of Emergency and Critical Care Medicine, Saitama Medical Center, Saitama)

1. Optimal initial treatment for patinet with aneurysmal subarachnoid hemorrhage
   Hiroharu Kataoka (Kyoto University, Kyoto)

2. Current status and future aspects of mechanical thrombectomy in acute ischemic stroke
   Hiroshi Yamagami (Department of Cerebrovascular Medicine,
   National Cerebral and Cardiovascular Center, Osaka)

3. Problems of the disaster medical care and countermeasure in the near future
   Youichi Yanagawa (Department of Acute Critical Care Medicine,
   Shizuoka Hospital, Juntendo University, Shizuoka)

4. Recent issues of abusive head trauma for neurosurgeon in Japan
   Tamotsu Miki (Department of Quality and Patient Safety,
   Tokyo Medical University, Tokyo)

5. Traumatic cervical cord injury in the neurosurgical emergency: treatment guideline and problems
   Toshihiro Takami (Osaka City University, Osaka)
12:00–13:00 Luncheon Seminars  
LS17–LS23  
Room 1, 2, 4~7, 9

13:10–14:50 Plenary Session  
PS9 Ischemic Cerebrovascular Diseases

Moderators: Satoshi Kuroda (University of Toyama, Toyama)  
Koji Iihara (Kyushu University, Fukuoka)  
Discussants: Masaaki Uno (Kawasaki Medical School, Okayama)  
Yasushi Matsumoto (Kohnan Hospital, Miyagi)  
Kuniaki Ogawara (Iwate Medical University, Iwate)

1. Risk, benefit and indication of antithrombotic therapy for patients treated by neurosurgeons  
Yasushi Okada (National Hospital Organization Kyushu Medical Center, Fukuoka)

2. An updated review for imaging before acute stroke reperfusion strategy  
Mikito Hayakawa (Division of Stroke Prevention and Treatment, Faculty of Medicine, University of Tsukuba, Ibaraki)

3. Optimal treatment for carotid artery stenosis  
Junichiro Satomi (Tokushima University, Tokushima)

4. Best treatment for chronic intracranial artery stenosis  
Shinichi Yoshimura (Hyogo College of Medicine, Hyogo)

5. Moyamoya disease update; modern diagnostic criteria, basic pathology, and surgical management  
Miki Fujimura (Kohnan Hospital, Miyagi)

14:50–15:00 Closing Remarks  
Jun Takahashi (National Cerebral and Cardiovascular Center, Osaka)
Hands-on Seminars/
Morning Seminars/Luncheon Seminars

Thursday, May 17, 2018  11:45-16:00 (HS6)
13:00-16:00 (HS1-HS5)

Room 3, 4, 6-9
Hands-on Seminars

Saturday, May 19, 2018  7:20-8:20 (MS1-MS4)
Sunday, May 20, 2018  7:20-8:20 (MS5-MS8)

Room 4-7
Morning Seminars

Friday, May 18, 2018  12:00-13:00 (LS1-LS8)
Saturday, May 19, 2018  12:00-13:00 (LS9-LS16)
Sunday, May 20, 2018  12:00-13:00 (LS17-LS23)

Room 1-9
Luncheon Seminars