

May 13 (Thu.)

National Convention Hall of Yokohama

12 : 00
12 : 05
12 : 10

Opening Remarks Congress President : Koji Yoshimoto

RS1
Residents Seminar 1

Moderators : Tetsuyoshi Horiuchi
Hideyuki Ishihara
Kazuhiko Kurozumi

RS2
Residents Seminar 2

Moderators : Minoru Fujiki
Yasuo Iwadata
Yasuhiko Akiyama

13 : 50

12 : 10 ~ 15 : 50
· **Hands-on Seminars**

HS 1 12 : 10 ~ 15 : 50
**Neuroendovascular
Therapy** (Room 2)

HS 2 13 : 00 ~ 15 : 50
Spine Surgery (Room 3)

15 : 50
16 : 00

V 1 **Operative Video Seminar 1**

Moderators : Toru Iwama & Shigeru Miyachi & Kenichiro Kikuta

V 2 **Operative Video Seminar 2**

18 : 00

Moderators : Motohiro Morioka & Takayuki Matsuo & Tetsuya Ueba

20 : 00

May 14 (Fri.)

National Convention Hall of Yokohama

8 : 20
8 : 30

Opening Session Congress President : Koji Yoshimoto

PS 1 **Malignant Brain Tumor**



9 : 50

Moderators : Toshihiro Kumabe & Yoshitaka Narita & Tatsuya Abe

PS 2 **Cerebral Aneurysm**



11 : 30

Moderators : Hiroaki Shimizu & Jun Takahashi & Shinichi Yoshimura

CPL 2021 CNS President Lecture

Brian L. Hoh Moderator : Yukihiro Sonoda

12 : 00

12 : 10

LS 1~11

Luncheon Seminars

(Room 1-11)

13 : 10
13 : 20

SL Special Lecture

Kenichi Uemura

Moderator : Isao Date

14 : 00

PS 3 **Head Injury**



15 : 00

Moderators : Mitsunori Matsumae & Atsuo Yoshino & Junkoh Yamamoto

PS 4 **Neuropediatrics**



16 : 20

Moderators : Yukihiro Fujii & Tetsuya Yamamoto & Akio Asai

PS 5 **Spine/Spinal Cord**



17 : 40

Moderators : Phyo Kim & Hiroyuki Nakase & Hideaki Iizuka

May 15 (Sat.)

National Convention Hall of Yokohama	
7 : 20	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">MS 1~6</div> Morning Seminars <div style="text-align: right;">(Room 2-7)</div>
8 : 20 8 : 30	MAS The 35th Microneurosurgical Anatomical Seminar Moderators : Mitsuhiro Hasegawa & Toru Inoue & Hiroyuki Kinouchi
10 : 10	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 6</div> Functional Neurosurgery Moderators : Taketoshi Maehara & Kensuke Kawai & Takeharu Kunieda
11 : 30 11 : 40	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">LS 12~22</div> Luncheon Seminars <div style="text-align: right;">(Room 1-11)</div>
12 : 40 12 : 50	General Assembly
13 : 35 13 : 40	CL Cultural Lecture Kazuto Ataka <div style="text-align: right;">Moderator : Takamasa Kayama</div>
14 : 30	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 7</div> Neurosurgery in the Future Moderators : Nobuhito Saito & Kazuhiko Nozaki & Hideo Takeshima
15 : 30	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 8</div> Glocal Neurosurgery 1 Moderators : Satoshi Kuroda & Haruhiko Kishima & Yuichi Hirose
16 : 50	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 9</div> Glocal Neurosurgery 2 Moderators : Teiji Tominaga & Yoko Kato & Nobuhiro Mikuni
18 : 10	

May 16 (Sun.)

National Convention Hall of Yokohama	
7 : 20	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">MS 7~11</div> Morning Seminars <div style="text-align: right;">(Room 2-6)</div>
8 : 20 8 : 30	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 10</div> Practice in Neurosurgery Moderators : Takakazu Kawamata & Shogo Ishiuchi & Naoya Hashimoto
10 : 10	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 11</div> Benign Brain Tumor Moderators : Kiyoshi Saito & Naoyuki Nakao & Akira Matsuno
11 : 50 12 : 00	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">LS 23~33</div> Luncheon Seminars <div style="text-align: right;">(Room 1-11)</div>
13 : 00 13 : 10	<div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 10px;">PS 12</div> Ischemic Cerebrovascular Disease Moderators : Koji Iihara & Kuniaki Ogasawara & Yasushi Takagi
14 : 50 15 : 00	Closing Remarks Congress President : Koji Yoshimoto

Day 1 : Thursday, May 13, 2021

12 : 00-12 : 05

Opening Remarks

Koji Yoshimoto (Kagoshima University)

12 : 10-13 : 50

RS1 Residents Seminar 1

Moderators : Tetsuyoshi Horiuchi (Shinshu University)

Hideyuki Ishihara (Yamaguchi University)

Kazuhiko Kurozumi (Hamamatsu University School of Medicine)

1. **The main point of the skill in anterior communicating artery aneurysm clipping**
.....Toshiichi Watanabe (Nakamura Memorial Hospital)
2. **Carotid Endarterectomy as a first-line treatment for carotid artery stenosis -History, Current Status, and Proposal of a new safe surgical method (Carotid Fat Pad Flip Method)-**
.....Masatomo Kaji (Saiseikai Kumamoto Hospital)
3. **Evidences and treatment strategies of endovascular therapy for cerebral aneurysms**
.....Hajime Nakamura (Osaka University)
4. **Basics of mechanical thrombectomy for acute ischemic stroke**
.....Koichi Arimura (Kyushu University)
5. **Knowledge and techniques required for endoscopic endonasal surgery**
.....Yudo Ishii (The Jikei University)

13 : 50-15 : 50

RS2 Residents Seminar 2

Moderators : Minoru Fujiki (Oita University)

Yasuo Iwadate (Chiba University)

Yasuhiko Akiyama (University of Shimane)

1. **Molecular classification of gliomas**
.....Yonehiro Kanemura (Department of Biomedical Research and Innovation, Institute for Clinical Research, National Hospital Organization Osaka National Hospital)
2. **Glioma treatment**
.....Shinji Yamashita (University of Miyazaki)
3. **Basic knowledge and techniques of spine surgery**
.....Miyuki Fukuda (Shin-ai Spine Center)
4. **Guidelines for management of idiopathic normal pressure hydrocephalus (third edition)**
.....Shigeki Yamada (Shiga University of Medical Science)
5. **Knowledge of seizure semiology and electroencephalography for epilepsy surgery**
.....Ryosuke Hanaya (Kagoshima University)
6. **Future perspective on stereotactic surgery for movement disorders**
.....Yuiko Kimura (National Center of Neurology and Psychiatry)



16 : 00-18 : 00

V1 Operative Video Seminar 1*Moderators : Toru Iwama (Gifu University)**Shigeru Miyachi (Aichi Medical University)**Kenichiro Kikuta (University of Fukui)*

1. **Therapeutic strategies for large and/or complex cerebral aneurysm**
.....Katsumi Takizawa (Japanese Red Cross Asahikawa Hospital)
2. **Cerebrovascular bypass surgery : consideration from a “glocal” point of view**
.....Hidenori Endo (Kohnan Hospital)
3. **Strategies of thrombectomy for various pathological conditions of acute cerebral artery occlusion**
.....Wataro Tsuruta (Toranomon Hospital)
4. **Advances in endovascular treatment for cerebral aneurysms**
.....Toshiyuki Fujinaka (National Hospital Organization, Osaka National Hospital)
5. **Microvascular decompression for HFS with supine no retractor method**
.....Katsuyoshi Shimizu (Showa University)
6. **Temporal lobe surgery for the treatment of epilepsy**
.....Masaki Iwasaki (National Center of Neurology and Psychiatry)

18 : 00-20 : 00

V2 Operative Video Seminar 2*Moderators : Motohiro Morioka (Kurume University)**Takayuki Matsuo (Nagasaki University)**Tetsuya Ueba (Kochi University)*

1. **Port surgery for brain tumors**
.....Yoshiki Arakawa (Kyoto University)
2. **Basic technique of vestibular schwannoma resection from “glocal” viewpoints**
.....Soichi Oya (Saitama Medical Center/University)
3. **Minimal anterior and posterior combined transpetrosal approach for petroclival meningiomas**
.....Takeo Goto (Osaka City University)
4. **Endoscopic transnasal surgery for skull base meningiomas**
.....Masahiro Shin (The University of Tokyo)
5. **Surgery for spinal vascular malformations**
.....Toshiki Endo (Tohoku University)
6. **Minimally invasive scopic spine surgery**
.....Hisaki Uchikado (Uchikado Neuro-Spine Clinic)

Day 2 : Friday, May 14, 2021

8 : 20-8 : 30

Opening Session

Koji Yoshimoto (Kagoshima University)

8 : 30-9 : 50 Plenary Session 1

PS1 Malignant Brain Tumor



*Moderators : Toshihiro Kumabe (Kitasato University)
Yoshitaka Narita (National Cancer Center Hospital)
Tatsuya Abe (Saga University)*

1. The progress in qualitative glioma imaging
.....Manabu Kinoshita (Asahikawa Medical University)
2. Multidisciplinary treatment for glioblastoma
.....Takashi Sasayama (Kobe University)
3. Updates on primary central nervous system lymphoma
.....Fumiyuki Yamasaki (Hiroshima University)
4. Treatment strategy of intracranial germ cell tumors
.....Masayuki Kanamori (Tohoku University)

9 : 50-11 : 30 Plenary Session 2

PS2 Cerebral Aneurysm



*Moderators : Hiroaki Shimizu (Akita University)
Jun Takahashi (Kindai University)
Shinichi Yoshimura (Hyogo College of Medicine)*

1. Pathophysiology and natural course of intracranial aneurysms
.....Hiroharu Kataoka (National Cerebral and Cardiovascular Center)
2. Role of vessel wall imaging in evaluating natural history of intracranial aneurysms
.....Shunsuke Omodaka (Kohnan Hospital)
3. Responsibilities of craniotomy surgery for cerebral aneurysms
.....Naoki Nakayama (Hokkaido University)
4. The advantages and drawbacks of flow diversion treatment for cerebral aneurysms
.....Akira Ishii (Kyoto University)
5. Endovascular treatment for dissecting intracranial aneurysm
.....Masaru Hirohata (Kurume University)



11 : 30-12 : 00 2021 CNS President Lecture

CPL Current and Future Treatment for Cerebral Aneurysms

Moderator : Yukihiro Sonoda (Yamagata University)

Speaker : Brian L. Hoh (Congress of Neurological Surgeons/AANS/CNS Joint Cerebrovascular Section/University of Florida, USA)

12 : 10-13 : 10 Luncheon Seminars

LS1-LS11

13 : 20-14 : 00 Special Lecture

SL Learning of “comfortable English” for neurosurgeons

Moderator : Isao Date (Okayama University)

Speaker : Kenichi Uemura (Geriatric Health Service Facility Ooana Sakura En/Hamamatsu University School of Medicine)

14 : 00-15 : 00 Plenary Session 3

PS3 Head Injury



Moderators : Mitsunori Matsumae (Tokai University)

Atsuo Yoshino (Nihon University)

Junkoh Yamamoto (University of Occupational and Environmental Health, Japan)

1. **Brain-oriented intensive care**
.....Satoshi Egawa (Neurocritical Care Unit, TMG Asaka Medical Center)
2. **Mild traumatic brain injury from a glocal perspective**
..... Takeshi Maeda (Nihon University)
3. **Cell therapy for traumatic brain disease and other CNS diseases**
.....Masahito Kawabori (Hokkaido University)

15 : 00-16 : 20 Plenary Session 4

PS4 Neuropediatrics



Moderators : Yukihiro Fujii (Brain Research Institute, Niigata University)
Tetsuya Yamamoto (Yokohama City University)
Akio Asai (Kansai Medical University)

1. **JSPN guideline for treatment of myelomeningocele**
.....Akira Gomi (Department of Pediatric Neurosurgery, Jichi Children's Medical Center Tochigi, Jichi Medical University)
2. **Craniosynostosis—a standpoint of plastic surgeon through 3 decades**
.....Shigeo Kyutoku (Division of Reconstructive Plastic Surgery, Nara City Hospital)
3. **Task of the treatment environment in conventional therapy of pediatric brain tumors**
.....Yasuo Aihara (Tokyo Women's Medical University)
4. **Pediatric head trauma in general hospitals**
.....Atsuko Harada (Department of Pediatric Neurosurgery, Takatsuki General Hospital)

16 : 20-17 : 40 Plenary Session 5

PS5 Spine/Spinal Cord



Moderators : Phyong Kim (Neuro-Spine Center, Utsunomiya)
Hiroyuki Nakase (Nara Medical University)
Hideaki Iizuka (Kanazawa Medical University)

1. **Cervical spine surgery based on the novel concept of “glocal neurosurgery”**
.....Yasuhiro Takeshima (Nara Medical University)
2. **Treatment for lumbar degenerative diseases : Glocal comprehension and practice**
.....Takao Yasuhara (Okayama University)
3. **Clinical and neuroimaging findings of spinal dural arteriovenous fistula**
.....Keisuke Takai (Tokyo Metropolitan Neurological Hospital)
4. **Surgery of spinal schwannomas—preservation of neuronal function and prevention of complications—**
.....Taku Sugawara (Akita Cerebrospinal and Cardiovascular Center)



Day 3 : Saturday, May 15, 2021

7 : 20-8 : 20 Morning Seminars

MS1-MS6

Room 2-7

8 : 30-10 : 10

MAS

The 35th Microneurosurgical Anatomical Seminar



*Moderators : Mitsuhiro Hasegawa (Fujita Health University)
Toru Inoue (Fukuoka University)
Hiroyuki Kinouchi (University of Yamanashi)*

1. **White matter fiber anatomy for preserving higher cognitive function**
.....Mitsutoshi Nakada (Kanazawa University)
2. **Visualization of brainstem function in brainstem cavernous malformation surgery and its application to intraoperative manipulation**
.....Hirofumi Nakatomi (Kyorin University)
3. **Vascular anatomy of anterior communicating artery complex for microsurgery**
.....Tetsuyoshi Horiuchi (Shinshu University)
4. **Cutting edge of micro-vascular anatomy in neuroradiology**
.....Kenji Sugi (Okayama University)
5. **Microdissection of the nasal cavity and skull base required for nasal skull base surgery**
.....Tetsuji Sanuki (Department of Otolaryngology-Head & Neck Surgery, Nagoya City University)

10 : 10-11 : 30 Plenary Session 6

PS6

Functional Neurosurgery



*Moderators : Taketoshi Maehara (Tokyo Medical and Dental University)
Kensuke Kawai (Jichi Medical University)
Takeharu Kunieda (Ehime University)*

1. **SEEG—The new frontier in localization of epileptic foci**
.....Hui Ming Khoo (Osaka University)
2. **Epilepsy surgery in a new era**
.....Motoki Inaji (Tokyo Medical and Dental University)
3. **DBS and ablative surgery for movement disorders**
.....Kazumichi Yamada (Division of Speech-Language-Hearing Therapy, Department of Rehabilitation, Faculty of Health Science, Kumamoto Health Science University)
4. **Current status and potential of focused ultrasound therapy (FUS)**
.....Hidehiro Hirabayashi (Nara National Hospital)

11 : 40-12 : 40 Luncheon Seminars

LS12-LS22

Room 1-11

12 : 50-13 : 35

General Assembly

13 : 40-14 : 30 Cultural Lecture

CL

What we can learn from history in the era of COVID-19, and what will be valued going into the future

Moderator : Takamasa Kayama (Yamagata University/Tokyo Neurological Center)

Speaker : Kazuto Ataka (Faculty of Environmental Information studies, Keio University/Yahoo Japan Corporation)

14 : 30-15 : 30 Plenary Session 7

PS7

Neurosurgery in the Future



Moderators : Nobuhito Saito (The University of Tokyo)

Kazuhiko Nozaki (Shiga University of Medical Science)

Hideo Takeshima (University of Miyazaki)

- 1 . Medical applications of AI technology and challenges**
.....Ryuji Hamamoto (National Cancer Center Research Institute)
- 2 . A global view point of telemedicine in epilepsy care**
.....Nobukazu Nakasato (Department of Epileptology, Tohoku University)
- 3 . Development of robotic surgical system for neurosurgery and future perspectives**
.....Akio Morita (Nippon Medical School)



15 : 30-16 : 50 Plenary Session 8

PS8 Glocal Neurosurgery 1



*Moderators : Satoshi Kuroda (University of Toyama)
Haruhiko Kishima (Osaka University)
Yuichi Hirose (Fujita Health University)*

1. **Clinical application and development of BMI**
.....Takufumi Yanagisawa (Osaka University Institute for Advanced
Co-Creation Studies)
2. **Glocal approaches to develop treatment for malignant brain tumors**
.....Akitake Mukasa (Kumamoto University)
3. **Reconstruction of the corticospinal tract using iPS cells**
.....Jun Takahashi (Center for iPS Cell Research and Application,
Kyoto University)
4. **Moyamoya disease : current status of revascularization surgery and issues in its
research**
.....Miki Fujimura (Hokkaido University)

16 : 50-18 : 10 Plenary Session 9

PS9 Glocal Neurosurgery 2



*Moderators : Teiji Tominaga (Tohoku University)
Yoko Kato (Fujita Health University Bantane Hospital)
Nobuhiro Mikuni (Sapporo Medical University)*

1. **Science in iNPH : Aiming for removal of “i” from iNPH**
.....Mitsuhiro Mase (Nagoya City University)
2. **Glocalization of neuroendoscopic surgery in Japan**
.....Kenichi Nishiyama (Niigata Medical Center)
3. **Contribution of Japan to the field of functional neurosurgery**
.....Takaomi Taira (Tokyo Women’s Medical University)
4. **Development and future of skull base surgery**
.....Kenji Ohata (Department of Minimally Invasive Neurosurgery,
Osaka City University)

Day 4 : Sunday, May 16, 2021

7 : 20-8 : 20 Morning Seminars

MS7-MS11

Room 2-6

8 : 30-10 : 10 Plenary Session 10

PS10 Practice in Neurosurgery



*Moderators : Takakazu Kawamata (Tokyo Women's Medical University)
Shogo Ishiuchi (University of the Ryukyus)
Naoya Hashimoto (Kyoto Prefectural University)*

- 1. Intracranial hypotension in patients with traumatic brain injury**
.....Kenji Dohi (Department of Emergency, Critical Care and
Disaster Medicine, Showa University)
- 2. Proper use and reversal therapy of antithrombotic drugs**
.....Eiichi Suehiro (International University of Health and Welfare)
- 3. Necessary knowledge for neurosurgeons involved in dementia treatment**
.....Makoto Nakane (Teikyo University Hospital Mizonokuchi)
- 4. Advance in the stroke medical care in Japan**
.....Susumu Miyamoto (Kyoto University)
- 5. National health insurance system for neurosurgical practice in Japan : Current issues
and perspectives**
.....Yoshiaki Shiokawa (Department of Neurosurgery and
Stroke Center, Kyorin University)

10 : 10-11 : 50 Plenary Session 11

PS11 Benign Brain Tumor



*Moderators : Kiyoshi Saito (Fukushima Medical University)
Naoyuki Nakao (Wakayama Medical University)
Akira Matsuno (Teikyo University)*

- 1. Treatment strategy of orbital tumors**
.....Akihiko Kondo (Juntendo University)
- 2. Surgical treatment for pituitary adenomas**
.....Masamichi Kurosaki (Tottori University)
- 3. Minimum invasive neurosurgery with endoscope and exoscope**
.....Tadashi Watanabe (Aichi Medical University)
- 4. Treatment and pathology of parasellar meningiomas**
.....Masahiko Wanibuchi (Osaka Medical College)
- 5. Management of intracranial and spinal tumors associated with neurofibromatosis
type 2**
.....Michihiro Kohno (Tokyo Medical University)



12 : 00-13 : 00 Luncheon Seminars

LS23-LS33

Room 1-11

13 : 10-14 : 50 Plenary Session 12

PS12 Ischemic Cerebrovascular Disease



Moderators : Koji Ihara (National Cerebral and Cardiovascular Center)

Kuniaki Ogasawara (Iwate Medical University)

Yasushi Takagi (Tokushima University)

- 1. **Reperfusion therapy for acute ischemic stroke**
.....Hiroshi Yamagami (Osaka National Hospital)
- 2. **Updates on intracranial artery stenosis**
.....Tomohito Hishikawa (Okayama University)
- 3. **Extracranial stenotic lesions (including endovascular and CAS updates)**
.....Ichiro Nakagawa (Nara Medical University)
- 4. **Mesenchymal stem cell therapy for neurological diseases**
.....Masanori Sasaki (Sapporo Medical University)
- 5. **Repetitive facilitative exercise and rehabilitation robot for poststroke hemiplegia**
.....Megumi Shimodozono (Kagoshima University)

14 : 50-15 : 00

Closing Remarks

Koji Yoshimoto (Kagoshima University)

Morning Seminars

Saturday, May 15, 2021

7 : 20-8 : 20

Room2

MS1

Shunt Surgery for Normal Pressure Hydrocephalus

Moderator : Nobumasa Kuwana (Tokyo Kyosai Hospital)

1. **Ventriculoperitoneal shunt—Science topic**
.....Madoka Nakajima (Juntendo University)
2. **Surgical techniques of LP shunt procedure for preventing postoperative complications and proper postoperative management**
.....Takashi Kawahara (Atsuchi Neurosurgical Hospital)
3. **VA shunt for NPH : its surgical technique, complications, and outcome**
.....Kiyoshi Takagi (Abiko Seijinkai Hospital)

Room3

MS2

Stenting and Endarterectomy for Carotid Artery

Moderator : Masaaki Uno (Kawasaki Medical School)

Tetsu Sato (National Cerebral and Cardiovascular Center)

1. **Carotid artery stenting**
.....Takashi Izumi (Nagoya University)
2. **The orthodox techniques of carotid endarterectomy**
.....Tsuayoshi Izumo (Nagasaki University)

Room4

MS3

Thrombectomy and Bypass for Acute Ischemic Stroke

Moderators : Toshihiro Ueda (St.Marianna University Toyoko Hospital)

Kojiro Wada (National Defense Medical College)

1. **Possibilities and limitations of endovascular treatment for acute ischemic stroke**
.....Yukiko Enomoto (Gifu University)
2. **Emergent cerebral revascularization by microscopic neurosurgery**
.....Tomohiro Inoue (NTT Medical Center Tokyo)

Room5

MS4

Stereotaxic Neurosurgery

Moderator : Atsushi Umemura (Juntendo University)

1. **Deep brain stimulation for movement disorders : achievements and challenges for the future**.....Takashi Agari (Tokyo Metropolitan Neurological Hospital)
2. **Cutting edge of lesioning surgery : radiofrequency ablation to focused ultrasound/ movement disorders to epilepsy**.....Shiro Horisawa (Tokyo Women's Medical University)

Room6

MS5

Scopic Surgery for Brain Tumors

Moderators : Hidehiro Oka (Kitasato University Medical Center)

Masato Kawashima (International University of Health and Welfare)

1. **Endoscopic treatment for intraparenchymal brain tumors**
.....Kazuhito Takeuchi (Nagoya University)
2. **Heads-up surgery for brain tumor**
.....Kazuhiko Kurozumi (Hamamatsu University School of Medicine)

Room7

MS6

Future Prospect for Neurosurgical Clinical Research—Brain Tumors

Moderator : Keisuke Ueki (Dokkyo Medical University)

1. **Development of VEGF receptor peptide vaccine for patients with neurofibromatosis type 2**.....Masahiro Toda (Keio University)
2. **Development and prospect of BNCT clinical research on brain tumors**
.....Shin-ichi Miyatake (Osaka Medical College Kansai BNCT Medical Center)

Room2

MS7

Coil Embolization and Neck Clipping for Cerebral Aneurysms

Moderators : Toru Mizutani (Showa University)

Toshio Higashi (Fukuoka University Chikushi Hospital)

- 1. Endovascular surgery for cerebral aneurysms : endosaccular coil embolization and flow diverter therapy

.....Hidenori Oishi (Juntendo University)

- 2. Direct aneurysm surgery in endovascular treatment era

.....Hiroki Kurita (Department of Cerebrovascular Surgery, International Medical Center, Saitama Medical University)

Room3

MS8

Surgery for Cervical Degenerative Disease

Moderator : Masahito Hara (Aichi Medical University)

- 1. Anterolateral surgical approach to the cervical spine

.....Muneyoshi Yasuda (Ichinomiya-Nishi Hospital)

- 2. Posterior surgical approach for degenerative cervical myelopathy

.....Tetsuryu Mitsuyama (Shinagawa Shishoukai Hospital)

Room4

MS9

Treatment for Craniopharyngioma

Moderator : Yuichiro Tanaka (St. Marianna University School of Medicine)

- 1. Aggressive resection and outcomes of craniopharyngiomas

.....Hiroki Morisako (Osaka City University)

- 2. Treatment of craniopharyngioma

—From the viewpoint of combined radiotherapy—

.....Naoki Shinojima (Kumamoto University)

Room5

MS10

Medial Temporal Lobe Epilepsy Surgery

Moderator : Takamichi Yamamoto (Seirei Hamamatsu General Hospital)

- 1. Indication and surgical technique of selective amygdalohippocampectomy**
.....Takehiro Uda (Osaka City University)
- 2. Anterior temporal lobectomy for epilepsy and other neurosurgical diseases**
.....Tomonori Ono (Epilepsy Center and Department of Neurosurgery,
National Nagasaki Medical Center)

Room6

MS11

**Future Prospect for Neurosurgical
Clinical Research—Vascular Disease**

Moderator : Yuhei Yoshimoto (Gunma University)

- 1. Development of new treatment for ischemic stroke**
.....Kuniyasu Niizuma (Graduate School of Biomedical Engineering, Tohoku University)
- 2. Development of research on cerebrovascular disease-related gene RNF213**
.....Satoru Miyawaki (The University of Tokyo)

Hands-on Seminars/Luncheon Seminars

Thursday, May 13, 2021

12 : 10-15 : 50 (HS1)

13 : 00-15 : 50 (HS2)

Hands-on Seminars

Friday, May 14, 2021

12 : 10-13 : 10 (LS1-LS11)

Saturday, May 15, 2021

11 : 40-12 : 40 (LS12-LS22)

Sunday, May 16, 2021

12 : 00-13 : 00 (LS23-LS33)

Luncheon Seminars

Sunday, May 16, 2021

12 : 00-13 : 00

Room 2

Luncheon Seminars 24

LS24

CNS-JCNS Joint Luncheon Seminar

Moderator : Akitake Mukasa (Kumamoto University)

1. Exploring the Pathophysiology of Hearing Loss in NF2-associated Vestibular Schwannoma.....Ashok R. Asthagiri (University of Virginia)
2. Non-invasive diagnosis and precision medicine in malignant brain tumors
.....Manabu Natsumeda (Niigata University)

Room 3

Luncheon Seminars 25

LS25

Glocalization of Therapy for Cerebrovascular Diseases

Moderators : Hiroki Ohkuma (Hirosaki University)

Nobuyuki Sakai (Kobe City Medical Center General Hospital)

1. Treatment Strategy for Aneurysmal Subarachnoid Hemorrhage
.....Hidenori Suzuki (Mie University)
2. Glocalization of neuro-endovascular therapy for cerebrovascular diseases
.....Yuji Matsumaru (Tsukuba University)