The 39th
Annual Meeting of
The Japanese Congress of
Neurological Surgeons
Possibilities of Neurosurgery

Program

May 16 (Thursday), 17 (Friday), 18 (Saturday) & 19 (Sunday), 2019
Venue: PACIFICO Yokohama

■ Congress President ■
Yukihiko Sonoda, M.D., Ph.D.
Chairman, Department of Neurosurgery, Faculty of Medicine, Yamagata University

■ Organizing Committee ■
Yasuo Aihara, M.D.  Miki Fujimura, M.D.  Atsuko Harada, M.D.  Akira Ishii, M.D.
Masaki Iwasaki, M.D. Hiroharu Kataoka, M.D. Manabu Kinoshita, M.D. Haruhiko Kishima, M.D.
Akitake Mukasa, M.D. Ichiro Nakagawa, M.D. Atsushi Natsume, M.D. Takashi Sasayama, M.D.
Eiichi Suehiro, M.D. Toshiichi Watanabe, M.D. Fumiyuki Yamasaki, M.D. Takao Yasuhara, M.D.
Koji Yoshimoto, M.D.

All presentations of plenary sessions are in Japanese. The sessions marked with a sign will be provided simultaneous interpretation from Japanese to English. Simultaneous interpretation receivers are available at the Seaside lobby on 2nd floor, free of charge during the congress period.

■ Congress President’s Office ■
Department of Neurosurgery, Faculty of Medicine, Yamagata University
2–2–2 Iida-Nishi, Yamagata 990–9585, Japan
E-mail: jcns2019@mws.id.yamagata-u.ac.jp
URL: http://jcns2019.jp/
### May 16 (Thu.)

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<td>8:00</td>
<td>The 1st JCNS/CNS webinar (CVD)</td>
<td>The Conference</td>
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<td>8:30</td>
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<tr>
<td>13:00</td>
<td>Resident Educational Seminars</td>
<td></td>
<td>Yasushi Takagi &amp; Tetsuya Yamamoto &amp; Junkoh Yamamoto (Room 1)</td>
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<tr>
<td>16:00</td>
<td>Video Educational Seminars 1</td>
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<td>Masamichi Kurosaki &amp; Yasuo Iwadate &amp; Toru Iwama (Room 1)</td>
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<tr>
<td>18:00</td>
<td>Video Educational Seminars 2</td>
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<td>Yasuhiro Akiyama &amp; Toshiyuki Takahashi &amp; Akira Gomi (Room 1)</td>
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### May 17 (Fri.)

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<td>8:00</td>
<td>Opening Remarks Congress President : Yukihiko Sonoda</td>
<td>National Convention Hall of Yokohama</td>
<td>Koji Iihara &amp; Yuichi Murayama &amp; Hiroki Ohkuma</td>
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<td>8:30</td>
<td>Cerebral Aneurysms</td>
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<td>10:00</td>
<td>Glioblastomas</td>
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<td>Ryo Nishikawa &amp; Hideo Takeshima &amp; Tatsuya Abe</td>
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<td>11:50</td>
<td>Luncheon Seminars</td>
<td>(Room 1-9)</td>
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<td>13:00</td>
<td>CPL 2019 CNS President Lecture</td>
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<td>Ganesh Rao Moderator : Yoshitaka Narita</td>
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<td>13:10</td>
<td>Pediatric Neurosurgery</td>
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<td>15:00</td>
<td>Neurotrauma</td>
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<td>Akira Matsumura &amp; Isao Date &amp; Kazuhiko Sugiyama</td>
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<td>16:00</td>
<td>Spinal Diseases</td>
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<td>Phyo Kim &amp; Masakazu Takayasu &amp; Hideaki Iizuka</td>
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<td>17:00</td>
<td>Epilepsy and Functional Neurosurgery</td>
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<tr>
<td>19:00</td>
<td>Luncheon Seminars</td>
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May 18 (Sat.)

National Convention Hall of Yokohama

7 : 20  Morning Seminars  (Room 3-6)

8 : 20  MAS  The 33rd Microneurosurgical Anatomical Seminar "Make the invisible visible"

Moderators: Takashi Tamiya & Yukihiko Fuji & Tatsuya Sasaki

9 : 50  Special Program 1  Possibilities of Basic Research for Neurosurgeons

Moderators: Toshihiko Wakabayashi & Kiyohiro Houkin & Kazuhiro Hongo

11 : 10  Special Lecture 1  Yuji Ikegaya  Moderator: Hiroyuki Kinouchi

11 : 50  Luncheon Seminars  (Room 1-9)

13 : 00  General Assembly

13 : 40  Special Lecture 2  Yoshinori Murakami  Moderator: Takamasa Kayama

14 : 30  Honored Guest Lecture  Mitchel S. Berger  Moderator: Toshihiro Kumabe

15 : 20  Special Program 2  Possibilities of Neurosurgeons: Diversification of Career Paths

Moderators: Toshihiko Kuroiwa & Mitsunori Matsumae & Yoko Kato

16 : 50  Special Program 3  Future direction of Japan Neurosurgical Society  Moderator: Hajime Arai

17 : 30  Possibilities of Overcoming Intractable Diseases

Moderators: Toru Inoue & Nobuyuki Sakai & Eiji Kohmura

19 : 10  Banquet

21 : 30

May 19 (Sun.)

National Convention Hall of Yokohama

7 : 20  Morning Seminars  (Room 3-6)

8 : 20  Benign Brain Tumors

Moderators: Kiyoshi Saito & Kenji Ohata & Kazunari Yoshida

8 : 30  Possibilities of Neurosurgery and Medical Cooperation System

Moderators: Michiyasu Suzuki & Masaaki Uno & Hiroharu Kataoka

10 : 10  Intracranial Vascular Stenosis Disease

Moderators: Kuniaki Ogasawara & Satoshi Kuroda & Miki Fujimura

13 : 00  Luncheon Seminars  (Room 2-8)

13 : 10  General Assembly

14 : 50  Possibilities of Overcoming Intractable Diseases

Moderators: Toru Inoue & Nobuyuki Sakai & Eiji Kohmura

15 : 00  Closing Remarks

(InterContinental Yokohama Grand, Ballroom, 3F)
RS Resident Educational Seminars

Moderators: Yasushi Takagi (Tokushima University)
Tetsuya Yamamoto (Yokohama City University)
Junkoh Yamamoto (University of Occupational and Environmental Health)

1. Operation and Perioperative Management for the Patients with Traumatic Brain Injury
   Ryuta Nakae (Department of Emergency and Critical Care Medicine, Nippon Medical School)

2. Basic clipping techniques in cerebral aneurysm surgery —Preoperative simulation & actual surgical techniques—
   Hidehito Kimura (Kobe University)

3. Basic technique of the bypass operation
   Toshiichi Watanabe (Nakamura Memorial Hospital)

4. Basic concept and technique for acute thrombectomy
   Naoto Kimura (Iwate Prefectural Central Hospital)

5. Basic techniques and principles in meningioma surgery
   Masahide Matsuda (University of Tsukuba)

6. Basic technique and concept for resection of glioblastoma
   Kuniaki Saito (Kyorin University)

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

8. Principles for safe and sure spinal surgery
   Takao Yasuhara (Okayama University)
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<tr>
<th>Time</th>
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<th>Program</th>
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| 16:00—18:00  | VS1 Video Educational Seminars 1 | Moderators: Masamichi Kurosaki (Tottori University)  
Yasuo Iwadate (Chiba University)  
Toru Iwama (Gifu University)  |
|              | 1. Surgical techniques for skull base meningiomas | Naoyuki Nakao (Wakayama Medical University) |
|              | 2. Endoscopic endonasal approach for pituitary adenomas | Kentaro Horiguchi (Chiba University Hospital) |
|              | 3. Surgical techniques in malignant glioma: Challenge difficult surgery with lesionectomy and lobectomy | Yoshiki Arakawa (Kyoto University) |
|              | 4. Resection of medial temporal structures in epilepsy surgery | Masaki Iwasaki (National Center Hospital National Center of Neurology and Psychiatry) |
|              | 5. Cerebrovascular disease ① Advanced techniques for the treatment of complex cerebral aneurysms | Takayuki Hara (Toranomon Hospital) |
|              | 6. Cerebrovascular disease ② Advanced technique in bypass surgery | Katsumi Takizawa (Japanese Red Cross Asahikawa Hospital) |
| 18:00—20:00  | VS2 Video Educational Seminars 2 | Moderators: Yasuhiko Akiyama (Shimane University)  
Toshiyuki Takahashi (Spinal Disorders Center, Fujieda Heisei Memorial Hospital)  
Akira Gomi (Department of Pediatric Neurosurgery, Jichi Children’s Medical Center Tochigi, Jichi Medical University) |
|              | 1. Coil embolization with advanced techniques for complex cerebral aneurysms | Hitoshi Hasegawa (Brain Research Institute, Niigata University) |
|              | 2. Advanced technique in endovascular therapy for acute ischemic stroke | Yukiko Enomoto (Gifu University) |
|              | 3. Surgical techniques for spinal degenerative diseases—basic and advanced techniques— | Toshihiko Inui (Tominaga Hospital) |
|              | 4. Surgical intervention for intradural lesions | Toshiaki Endo (Kohnan Hospital) |
|              | 5. Surgical technique for craniosynostosis | Atsuko Harada (Takatsuki General Hospital) |
|              | 6. Surgical treatment for spinal lipoma | Toshiaki Hayashi (Tohoku Medical and Pharmaceutical University) |
Day 2: Friday, May 17, 2019

8:20–8:30 Opening Remarks

Yukihiko Sonoda (Yamagata University)

8:30–10:10 Plenary Session

PS1 Cerebral Aneurysms

Moderators: Koji Iihara (Kyushu University)
Yuichi Murayama (The Jikei University)
Hiroki Ohkuma (Hirosaki University)

1. Flow dynamic analysis in the management of cerebral aneurysms
   Masaaki Shojima (Saitama Medical University General Hospital)

2. Future direction of the aneurysm surgery
   Hidenori Endo (Tohoku University)

3. Current status and near future of endovascular treatment for cerebral aneurysms
   Akira Ishii (Kyoto University)

4. Treatment of poor-grade subarachnoid hemorrhage
   Hidenori Suzuki (Mie University)

5. Future perspective for cerebral aneurysm treatment
   Kazuhiko Nozaki (Shiga University of Medical Science)

10:10–11:50 Plenary Session

PS2 Glioblastomas

Moderators: Ryo Nishikawa (Department of Neuro–Oncology/Neurosurgery Saitama Medical University International Medical Center)
Hideo Takeshima (University of Miyazaki)
Tatsuya Abe (Saga University)

1. Radiogenomics for glioblastoma
   Manabu Kinoshita (Osaka University)

2. Surgical treatment of glioblastoma: the limits and future possibility
   Akitake Mukasa (Kumamoto University)

3. The current status and future perspective of precision medicine in glioblastoma
   Atsushi Natsume (Nagoya University)

4. Current status of adjuvant therapy for glioblastoma and possibility of novel treatment
   Fumiyuki Yamasaki (Hiroshima University Hospital)

5. Why glioblastoma is not curable, and how we can make it happen?
   Keisuke Ueki (Dokkyo Medical University)
12:00-13:00 Luncheon Seminars
LS1-LS9

13:10-13:40 2019 CNS President Lecture
CPL  Post-operative stereotactic radiosurgery versus observation for completely resected brain metastases

Moderator: Yoshitaka Narita (Department of Neurosurgery and Neuro-Oncology, National Cancer Center Hospital)
Speaker: Ganesh Rao (The University of Texas MD Anderson Cancer Center)

13:40-15:00 Plenary Session
PS3  Pediatric Neurosurgery

Moderators: Akira Matsumura (University of Tsukuba)
Isao Date (Okayama University)
Kazuhiko Sugiyama (Department of Clinical Oncology, Hiroshima University Hospital)

1. Long term outcome of myelomeningocele patients: How to improve patient’s QOL
   Masahiro Nonaka (Kansai Medical University)

2. Endovascular treatment for pediatric cerebrospinal arteriovenous shunt diseases: Accomplishment and future prospective
   Yasunari Niimi (Department of Neuroendovascular Therapy, St. Luke’s International Hospital)

3. Long-term functional outcomes after treatment for intracranial germ cell tumors
   Masayuki Kanamori (Tohoku University)

4. More satisfied management of adult patients with pediatric neurosurgical diseases: Some suggestion from the perspective of transitional medicine
   Hiroaki Sakamoto (Department of Pediatric Neurosurgery, Osaka City General Hospital)

15:00-16:20 Plenary Session
PS4  Neurotrauma

Moderators: Mitsuhiro Mase (Nagoya City University)
Minoru Fujiki (Oita University)

1. The role of blood biomarkers in traumatic brain injury treatments
   Eiichi Suehiro (Yamaguchi University)

2. MTBI: Management of sports-related head injury
   Haruo Nakayama (Toho University Ohashi Medical Center)

3. Collaboration of multi-department physicians in initial treatment for multiple trauma
   Kotaro Oshio (St. Marianna University)

4. The potential of neurosurgeons in Tactical Emergency Medical Support
   Satoshi Tomura (Division of Traumatology, National Defence Research Institute)
16:20—17:40  Plenary Session  
PS5  Spinal Diseases

**Moderators:** Phyo Kim (Dokkyo University Hospital)  
Masakazu Takayasu (Aichi Medical University)  
Hideaki Iizuka (Kanazawa Medical University)

1. **Current and future management of degenerative spine diseases**  
Ryu Kurokawa (Dokkyo Medical University)

2. **Spinal Decompression and Fusion Surgery: Current Options and Future Perspectives**  
Shigeo Ueda (Shin-Ai Spine Center)

3. **A multidisciplinary concept and treatment of spinal arteriovenous shunts**  
Keisuke Takai (Tokyo Metropolitan Neurological Hospital)

4. **Technological Innovation and Future in Spine Surgery**  
Hiroyuki Nakase (Nara Medical University)

17:40—19:00  Plenary Session  
PS6  Epilepsy and Functional Neurosurgery

**Moderators:** Nobuhiro Mikuni (Sapporo Medical University)  
Amami Kato (Kinki University Hospital)  
Kyousuke Kamada (Asahikawa Medical University)

1. **Indication of epilepsy surgery in an era of new AEDs**  
Kiyohito Terada (NHO Shizuoka Institute of Epilepsy and Neurological Disorders)

2. **Patient-centered policy of epilepsy care: what should we do?**  
Nobukazu Nakasato (Department of Epileptology, Tohoku University)

3. **Re-evaluation of Basal Ganglia Network**  
Fumino Fujiyama (Laboratory of Neural Circuitry, Doshisha University)

4. **Development of mechanical devices and advances in functional neurosurgery**  
Haruhiko Kishima (Osaka University)
Day 3: Saturday, May 18, 2019

7:20–8:20 Morning Seminars
MS1–MS4

8:30–9:50
MAS
The 33rd Microneurosurgical Anatomical Seminar “Make the invisible visible”

Moderators: Takashi Tamiya (Kagawa University)
Yukihiko Fujii (Niigata University)
Tatsuya Sasaki (Tohoku Medical and Pharmaceutical University)

1. Pathological findings of brain–tumor interface
   Jiro Akimoto (Tokyo Medical University)

2. Intraoperative electrophysiological monitoring
   Yukihiro Yamao (Kyoto University)

3. The Application of Connectomics in Neurosurgery
   Harith Akram (The National Hospital for Neurology and Neurosurgery)

4. Phylogenetic tips for understanding spinal tracts
   Makoto Taniguchi (Tokyo Metropolitan Neurological Hospital)

9:50–11:10 Special Program 1
S1 Possibilities of Basic Research for Neurosurgeons

Moderators: Toshihiko Wakabayashi (Nagoya University)
Kiyohiro Houkin (Hokkaido University)
Kazuhiro Hongo (Shinshu University)

1. Translational research: Current changes and problems
   Atsuhiro Nakagawa (Clinical Research, Innovation and Education Center, Tohoku University Hospital)

2. What does “research” mean to neurosurgeons?
   Chifumi Kitanaka (Department of Molecular Cancer Science, Yamagata University)

3. Current perspective of cell therapies for CNS disease
   Masahito Kawabori (Hokkaido University)

4. Researches in the field of Neurosurgery
   Nobuhito Saito (University of Tokyo Hospital)
11:20—11:50  Special Lecture 1

SL1  Autonomous Brain

Moderator: Hiroyuki Kinouchi (University of Yamanashi)
Speaker: Yuji Ikegaya (Graduate School of Pharmaceutical Sciences, The University of Tokyo)

12:00—13:00  Luncheon Seminars

LS10-LS18

Room 1~9

13:10—13:40  General Assembly

13:50—14:30  Special Lecture 2

SL2  Towards personalized medicine by sharing biomaterials and genomic and clinical information on the basis of bio-banking

Moderator: Takamasa Kayama (Department of Advanced Medicine, Yamagata University School of Medicine)
Speaker: Yoshinori Murakami (The Institute of Medical Science, The University of Tokyo)

14:40—15:20  Honored Guest Lecture

HGS  The future of glioma surgery to improve outcome

Moderator: Toshihiro Kumabe (Kitasato University)
Speaker: Mitchel S. Berger (University of California, San Francisco)
15:30–16:50  Special Program 2

S2  Possibilities of Neurosurgeons: Diversification of Career Paths

Moderators: Toshihiko Kuroiwa (Osaka Medical College)
Mitsunori Matsumae (Tokai University)
Yoko Kato (Fujita Health University Bantane Hospital)

1. The possibility of next generation neurosurgeons
   Mitsutoshi Nakada (Kanazawa University)

2. Can neurosurgeons go beyond the gender bias? Possibility of female neurosurgeons
   Shoko Shimokawa (Saga University)

3. Neurosurgeon as a sub-specialty of emergency physician
   Seiya Kato (Department of Emergency and Critical Care Medicine, Wakayama Medical University)

4. Possibility about future of the senior neurosurgeon in Japan
   Kazuo Hashi (Shinsapporo Neurosurgical Hospital)

16:50–17:30  Special Program 3

S3  Future direction of Japan Neurosurgical Society

Moderator: Hajime Arai (Juntendo University)

1. Plan Design of subspecialty societies of Japan Neurosurgical Society
   Susumu Miyamoto (Kyoto University)

2. Education system in neurosurgery
   Teiji Tominaga (Tohoku University)
17:30—19:10  Plenary Session

PS7  Possibilities of Overcoming Intractable Diseases

Moderators: Toru Inoue (Fukuoka University)
            Nobuyuki Sakai (Kobe City Medical Center General Hospital)
            Eiji Kohmura (Kobe University)

1. Current problems and perspectives for overcoming cerebral aneurysms
   Hiroaki Shimizu (Akita University)

   Jun Takahashi (National Cerebral and Cardiovascular Center)

3. To challenge the intractable disease
   Yasushi Matsumoto (Department of Neuroendovascular Therapy, Kohnan Hospital)

4. Treatment strategies for skull base tumors
   Takeo Goto (Osaka City University)

5. What’s “non-common sense” for Pediatric Brain Tumor?
   Yasuo Aihara (Tokyo Women’s Medical University)

19:30—

Banquet

InterContinental Yokohama Grand, Ballroom, 3F
Day 4: Sunday, May 19, 2019

7:20–8:20 Morning Seminars
MS5–MS8

8:30–10:10 Plenary Session

PS8 Benign Brain Tumors

Moderators: Kiyoshi Saito (Fukushima Medical University)
Kenji Ohata (Osaka City University)
Kazunari Yoshida (Keio University)

1. Genome analysis and genomic medicine for benign brain tumors
   Koji Yoshimoto (Kagoshima University)

2. An important role and capability of embolization for intracranial tumor
   Kenji Sugiu (Okayama University)

3. Minimally invasive endoscopic brain tumor surgery
   Tadashi Watanabe (Japanese Red Cross Nagoa Daini Hospital)

4. Multimodality treatment for skull base meningioma and possibility in the future
   Masahiko Wanibuchi (Sapporo Medical University)

5. Multidisciplinary therapeutic approach for craniopharyngioma aimed at improvement of QOL
   Takayuki Matsuo (Nagasaki University)

10:10–11:50 Plenary Session

PS9 Neurosurgery and Medical Cooperation System

Moderators: Michiyasu Suzuki (Yamaguchi University)
Masaaki Uno (Kawasaki Medical School)
Hiroharu Kataoka (Kyoto University)

1. Future directions of Japanese brain dock
   Kenji Kamiyama (Nakamura Memorial Hospital)

2. Current Status and Issues in Acute Ischemic Stroke and Medical collaboration
   Nobutaka Horie (Nagasaki University Hospital)

3. Future Prospect of Telemedicine in Neurosurgery
   Tsuyoshi Ohta (Kochi Health Sciences Center)

4. Role of the Comprehensive Stroke Center in the Management of Stroke
   Ataru Nishimura (Kyushu University)

5. Neurorehabilitation for functional recovery
   Toshiyuki Fujiwara (Department of Rehabilitation Medicine, Juntendo University)
12:00—13:00 Luncheon Seminars  
**LS19-LS25**  
Room 2～8

13:10—14:50 Plenary Session  
**PS10** Intracranial Vascular Stenosis Disease

*Moderators:*  
Kuniaki Ogasawara (Iwate Medical University)  
Satoshi Kuroda (University of Toyama)  
Miki Fujimura (Kohnan Hospital)

1. Genetic factor for intracranial artery stenosis  
Satoru Miyawaki (The University of Tokyo)

2. Morphological and hemodynamic imaging of occlusive cerebrovascular disease  
Yoji Tanaka (Tokyo Medical and Dental University)

3. Current status and future of endovascular treatment for intracranial artery stenosis  
Shinichi Yoshimura (Hyogo College of Medicine)

4. Evidence and Future Prospects of Revascularization Surgery for Moyamoya Disease  
Takeshi Funaki (Kyoto University)

5. Surgical strategy in atherosclerotic severe intracranial major arterial stenosis  
Tomohiro Inoue (NTT Medical Center Tokyo)

14:50—15:00 Closing Remarks  
Yukihiko Sonoda (Yamagata University)
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<td>Sunday, May 19, 2019</td>
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<td>Morning Seminars</td>
<td>Friday, May 17, 2019</td>
<td>12:00-13:00 (LS1-LS9)</td>
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<td>Saturday, May 18, 2019</td>
<td>12:00-13:00 (LS10-LS18)</td>
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<td>Sunday, May 19, 2019</td>
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