

Daily Program

AASSFN 2023

Apr. 28 (Fri)

10:00-11:15	Symposium 1 Parkinson disease and Psychiatry	Venue: Room1
Chair(s): Sang Ryong JEON (Korea), Atsushi UMEMURA (Japan), Kazumichi YAMADA (Japan)		
SY01-1 Keynote lecture	Deep brain stimulation of both bed nucleus of the stria terminalis and nucleus accumbens for treatment resistant depression Bomin SUN (China)	
SY01-2 Keynote lecture	Controlling dyskinesia with subthalamic nucleus DBS by stimulation of Vo nucleus of the thalamus Takashi ASAHI (Japan) Kiyonobu IKEDA, Taku NONAKA, Jiro YAMAMOTO, Yuki MURO, Nobutaka YAMAMOTO	
SY01-3	LFP as Biomarkers of Parkinson's Disease Motor Symptoms and its application to Adaptive DBS Naoki TANI (Japan) Takuto EMURA, Yuki KIMOTO, Takahiro MATSUHASHI, Yuya FUJITA, Koichi HOSOMI, Satoru OSHINO, Hui MIng KHOO, Takufumi YANAGISAWA, Haruhiko KISHIMA	
SY01-4	Short-term outcomes of adaptive deep brain stimulation for patients with Parkinson's disease Hirokazu IWAMURO (Japan) Atsushi UMEMURA, Hikaru KAMO, Daiki KAMIYAMA, Genko OYAMA, Nobutaka HATTORI, Akihide KONDO	
SY01-5	Cognitive changes due to subthalamic nucleus deep brain stimulation in elderly Parkinson's Disease Hiroshi OHMAE (Japan) Ryoma MORIGAKI, Kazuhisa MIYAKE, Taku MATSUDA, Yuka NAKANOWATARI, Megumi KUNO, Tetsuya MATSUURA, Yasushi TAKAGI	
SY01-6	Activity of Reticulospinal and Vestibulospinal Neurons after PPN microstimulation Shusei FUKUYAMA (Japan) Mirai TAKAHASHI, Tomohiro NOGUUCHI, Kaoru TAKAKUSAKI, Manabu KINOSHITA	
SY01-7	Changes in phosphodiesterase 10A in mice model of levodopa-induced dyskinesia Ryoma MORIGAKI (Japan) Maya ANZAI, Joji FUJIKAWA, Teruo ODA, Hiroaki HAYASAWA, Taku MATSUDA, Jiro KASAHARA, Yasushi TAKAGI	
SY01-8	Preventive effects of nano-graphene oxide against Parkinson's disease via reactive oxygen species scavenging and anti-inflammation Sang Ryong JEON (Korea)	
10:05-11:15	Symposium 5 Epilepsy	Venue: Room2
Chair(s): Kensuke KAWAI (Japan), Jong Hyun KIM (Korea)		
SY05-1 Keynote lecture	Current Seizure Control rate in Epilepsy Out-Patients Clinics Taku OCHIAI (Japan)	
SY05-2	Identification of epileptic connectome by SEEG and possibility of disconnection surgery using RFTC Tomotaka ISHIZAKI (Japan) Satoshi MAESAWA, Hiroyuki YAMAMOTO, Takafumi TANEI, Manabu MUTOH, Yoshiki ITO, Jun NATSUME, Ryuta SAITO	

Daily Program

AASSFN 2023
Apr. 28 (Fri)

- SY05-3 Placement of SEEG electrodes - a comparison between frame-based and robot-assisted techniques**
Hui Ming KHOO (Japan)
Yuya FUJITA, Takuto EMURA, Yuki KIMOTO, Takamune MATSUHASHI, Takamitsu IWATA, Takufumi YANAGISAWA, Koichi HOSOMI, Naoki TANI, Satoru OSHINO, Haruhiko KISHIMA
- SY05-4 Novel Systematic Diagnostic Algorithm for Seizure Onset Pattern Morphology in SEEG**
Vich YINDEEJ (Japan / Thailand)
Takehiro UDA, Yuta TANOUE, Yuichiro KOJIMA, Toshiyuki KAWASHIMA, Saya KOH, Taro NISHIYAMA, Masanari TAKAGAWA, Futoshi SHUTO, Takeo GOTO
- SY05-5 Epilepsy Surgery with Electrocorticogram(ECOG) and depth electrodes avoiding chronic EEG recording**
Basant PANT (Nepal)
Pritam GURUNG, Resha SHRESTHA, Raju DHUNGEL, Sambardan DAWADI
- SY05-6 Endoscopic versus microscopic corpus callosotomy**
Takehiro UDA (Japan)
Vich YINDEEJ, Toshiyuki KAWASHIMA, Yuta TANOUE, Yuichiro KOJIMA, Noritsugu KUNIHICO, Ryoko UMABA, Saya KOH, Takeo GOTO
- SY05-7 Minimally Invasive Epilepsy Surgery in Indonesia: Neurosurgeon perspective in the developing country**
Heri SUBIANTO (Indonesia)
Achmad FAHMI, Agus TURCHAN
- SY05-8 Volume-based radiofrequency-thermocoagulation for insulo-opercular epilepsy**
Yutaro TAKAYAMA (Japan)
Yutaro TAKAYAMA, Yuiko KIMURA, Keiya IJIMA, Munetake YOSHITOMI, Kenzo KOSUGI, Tetsuya YAMAMOTO, Masaki IWASAKI

11:20-12:00

Symposium 2 Spasticity

Venue: Room 1

Chair(s): **Takuya UCHIYAMA (Japan)**, **Takashi ASAHI (Japan)**

- SY02-1** **Multidisciplinary neurosurgical approach for spasticity**
Keynote lecture Takuya UCHIYAMA (Japan)
Jun C TAKAHASHI
- SY02-2 A case of intrathecal baclofen and botulinum toxin therapy for spasticity due to tetanic infection.**
Yuji MAEDA (Japan)
Kazuhiro KAWATA
- SY02-3 Factors affecting patient selection of intrathecal baclofen therapy for spastic paraplegia**
Satoru KURIHARA (Japan)
Yoshinori HIGUCHI, Kyoko AOYAGI, Youji OKAHARA, Masaki IZUMI
- SY02-4 Long-term Dosages of Intrathecal Baclofen Depend on the Causative Disease**
Yuki KIMOTO (Japan)
Satoru OSHINO, Naoki TANI, Koichi HOSOMI, Hui Ming KHOO, Takufumi YANAGISAWA, Masayuki HIRATA, Haruhiko KISHIMA

Daily Program

AASSFN 2023

Apr. 28 (Fri)

11:20-12:00	Symposium 6 Novel application	Venue: Room2
	Chair(s): Naoki TANI (Japan), Takashi MORISHITA (Japan)	
	SY06-1 Superior cerebellar peduncles deep brain stimulation for cerebral palsy Keynote lecture <u>Dianyou LI (China)</u> Chencheng ZHANG, Suzhen LIN, Yiwen WU	
	SY06-2 Outcomes of Pallidal Deep Brain Stimulation in Patients with Chorea-Acanthocytosis <u>Takahiro MATSUHASHI (Japan)</u> Satoru OSHINO, Naoki TANI, Koichi HOSOMI, Hui Ming KHOO, Yuya FUJITA, Takuto EMURA, Yuki KIMOTO, Takakatsu ISHIUCHI, Takaki MATSUMURA, Haruhiko KISHIMA	
	SY06-3 Success of stereotactic ablative surgery for involuntary movements after treatment of germinoma <u>Kilsoo KIM (Japan)</u> Shiro HORISAWA, Takakazu KAWAMATA, Takaomi TAIRA	
	SY06-4 Vim-DBS for tremor caused by chronic inflammatory demyelinating polyneuropathy. Report of two cases <u>Masaki UJIHARA (Japan)</u> Masahito KOBAYASHI, Sachiko HIRATA, Kazuhiko TAKABATAKE, Kenji WAKIYA, Takamitsu FUJIMAKI	
12:10-13:10	Luncheon Seminar Medtronic Japan Co., Ltd.	Venue: Room1
	Chair(s): Masami FUJII (Japan)	
	LS1 Advanced concept of deep brain stimulation for Parkinson's disease: How to handle the BrainSense™ technology in clinical practice and utilize Adaptive DBS therapy <u>Hirokazu IWAMURO (Japan)</u>	
12:10-13:10	Luncheon Seminar Brainlab K.K.	Venue: Room2
	Chair(s): Nobuhiro MIKUNI (Japan)	
	LS2 Deep brain stimulation in the Treatment of Intractable Epilepsy Crossover between Epilepsy Surgery and Stereotactic Functional Surgery <u>Ichiro TAKUMI (Japan)</u>	
13:20-13:50	Memorial Lecture 1	Venue: Room1
	Chair(s): Jung-II LEE (Korea)	
	ML1 Cerebrospinal stimulation therapy for VS and MCS (Sang Sup Chung Award Commemorative Lecture) <u>Takamitsu YAMAMOTO (Japan)</u>	

Daily Program

13:55-15:15	Symposium 3 Functional neurosurgery in Asia-Australasia region	Venue: Room1
Chair(s): Amami KATO (Japan), Basant PANT (Nepal), Kenji SUGIYAMA (Japan)		
SY03-1 Keynote lecture	Functional Neurosurgery in Nepal: an overview <u>Basant PANT</u> (Nepal) Resha SHRESTHA, Pritam GURUNG, Sambardan DAWADI, Raju DHUNGEL	
SY03-2 Keynote lecture	Functional Neurosurgery in Singapore <u>Nicolas KON</u> (Singapore)	
SY03-3 Keynote lecture	Functional neurosurgery in Indonesia <u>Achmad FAHMI</u> (Indonesia) Heri SUBIANTO, Agus TURCHAN, Takaomi TAIRA	
SY03-4 Keynote lecture	Movement Disorder Surgery in the Philippines <u>Jose Francisco Abawag AGUILAR</u> (Philippines)	
SY03-5 Keynote lecture	Evolution of DBS Surgery for Movement Disorders in HK towards Local Field Potential and Connectome <u>Tak Lap POON</u> (Hong Kong) Ka Wing SEE	
SY03-6 Keynote lecture	Summary report on case registry of the Japan Society for Stereotactic and Functional Neurosurgery <u>Chikashi FUKAYA</u> (Japan)	

13:55-15:10	Symposium 7 Radiosurgery	Venue: Room2
Chair(s): Han-Jung CHEN (Taiwan), Taku OCHIAI (Japan)		
SY07-1 Keynote lecture	Primary CNS Lymphoma ; Treatment by GKS and Chemotherapy in recurred patients after Whole Brain RT <u>Moo Seong KIM</u> (Korea) Kyung Jae LEE	
SY07-2 Keynote lecture	Long-term Outcome of Nonfunctioning Pituitary Adenoma after Gamma Knife Radiosurgery. <u>Han-Jung CHEN</u> (Taiwan)	
SY07-3	Use of pathological biomarkers to predict clinical outcomes after GKRS in patients with lung ADC <u>Haewon ROH</u> (Korea) Haewon ROH, Hyunjung BAEK, Jong Hyun KIM	
SY07-4	Long interval hypo-fractionated gamma-knife radiosurgery for benign tumors ; early outcomes <u>Seung Woo HONG</u> (Korea) Kyung Won CHANG, Hyun Ho JUNG, Jin Woo CHANG, Won Seok CHANG	
SY07-5	Efficacy and safety of SRS Vs. endovascular treatment for cavernous dural arteriovenous fistula <u>Seung Woo HONG</u> (Korea) Min Jeoung KIM, Keun Young PARK, Won Seok CHANG	
SY07-6	Gamma Knife Surgery for Arteriovenous Malformation Associated Intracranial Aneurysms <u>Moo Seong KIM</u> (Korea) Jung wook BAEK	

Daily Program

- SY07-7** **Perfusion MRI and T1/T2 Matching to differentiate recurrence from radiation necrosis**
Moo Seong KIM (Korea)
- SY07-8** **Verification of absorbed energy to a tumor in Gamma Knife Radiosurgery with skull phantoms**
Hyun-Tai CHUNG (Korea)
 Tae Hoon KIM, Young Chan SEO, Kyo Tae KIM

16:20-17:30	Symposium 4 Tremor	Venue: Room1
Chair(s): Masahito KOBAYASHI (Japan), Hiroki TODA (Japan), Nicolas KON (Singapore)		

- SY04-1** **Outcome of Gamma Knife thalamotomy and correlation with biologically effective dose (BED)**
Keynote lecture
Jung-Il LEE (Korea)
- SY04-2** **Functional Neurosurgery for Tremor**
Keynote lecture
Hiroki TODA (Japan)
- SY04-3** **Clinical outcome of focused ultrasound and radiofrequency thalamotomy for tremor**
Satoru OSHINO (Japan)
 Naoki TANI, Koichi HOSOMI, Xin HE, Manabu KANEMOTO, Takuto EMURA, Takahiro MATSUHASHI, Shinpei MIURA, Yuki KIMOTO, Hui Ming KOO, Haruhiko KISHIMA
- SY04-4** **Short-period outcome of Vim thalamotomy for essential tremor of upper extremities**
Bohui QIAN (Japan)
 Shiro HORISAWA, Taku NONAKA, Koutaro KOHARA, Isamu MIURA, Takaomi TAIRA
- SY04-5** **Efficacy of Brainlab Elements in Vim-Vop thalamotomy**
Ryota SASAKI (Japan)
 Tatsuo SHIMOKAWARA, Kiyoshi NAGATA, Nagako MURASE, Hidehiro HIRABAYASHI, Kentaro TAMURA, Hiroyuki NAKASE
- SY04-6** **Accuracy verification of thalamic anatomical mapping by intraoperative microelectrode recording**
Takefumi HIGASHIJIMA (Japan)
 Takashi KAWASAKI, Katsuo KIMURA, Hitaru KISHIDA, Ryosuke TAKAGI, Koichi HAMADA, Yuriko HIGUCHI, Izumi KUMAGAI, Katsumi SAKATA
- SY04-7** **Deep brain stimulation in posterior subthalamic area for refractory tremor**
Yan-Hua SU (Taiwan)
 Kang-Du LIU

16:20-17:00	Symposium 8 Case presentation	Venue: Room2
Chair(s): Hirokazu IWAMURO (Japan), Shiro HORISAWA (Japan)		

- SY08-1** **A case of binge-like eating after Magnetic resonance-guided focused ultrasound thalamotomy.**
Tomoko HANADA (Japan)
 Kazumichi YAMADA, Takuichiro HIGASHI, Ryosuke HANAYA

Daily Program

- SY08-2** **DBS of the bilateral posterior subthalamic area for tremor-dominant Parkinson disease: a case report**
Toshikatsu IKEDA (Japan)
Hideki OHSHIMA, Mitsuru WATANABE, Toshiki OBUCHI, Fumi MORI, Chikashi FUKAYA, Tadashi ICHIKAWA, Atsuo YOSHINO
- SY08-3** **A case report of radiofrequency ventro-oral thalamotomy for dystonia after thalamic infarction**
TAKAMASA ISHIUCHI (Japan)
Koichi HOSOMI, Motoki NAKAMURA, Satoru OSHINO, Naoki TANI, Nobuhiko MORI, Takuto EMURA, Yuji ONODA, Khoo Hui MING, Haruhiko KISHIMA
- SY08-4** **Voice and upper limb tremor effectively improved by staged bilateral VIM-DBS; a case report**
Yosuke FUJIMOTO (Japan)
Katsu MIZUKAWA, Yasunori MATSUKI, Shinichi MIURA, Haruka ENAMI, Satoru OSHINO, Takashi SASAYAMA
- SY08-5** **Vacuum-Assisted Closure for Recurrent Scalp Erosion Following Deep Brain Stimulation**
Ye Won LEE (Korea)
Young Seok PARK, Tai Hyun KANG, Young Young PARK, YeRyeong LIM

17:10-18:25	Symposium 9 Focused ultrasound	Venue: Room2
Chair(s): Kuo-Chen WEI (Taiwan), Satoshi MAESAWA (Japan)		

- SY09-1** **The Future Perspective of Brain MRgFUS for Neurosurgery: lessons learned, trouble faced and future direction at Yonsei University**
Keynote lecture Jin Woo CHANG (Korea)
- SY09-2** **STAGED BILATERAL MAGNETIC RESONANCE IMAGE-GUIDED FOCUS ULTRASOUND THALAMOTOMY FOR ESSENTIAL TREMOR**
Keynote lecture Hidehiro HIRABAYASHI (Japan)
Hideyuki ONISHI, Kenji FUKUTOME, Yousuke OSAKADA
- SY09-3** **The effect of the scalp nerve block on the headache during transcranial focused ultrasound**
Makoto KADOWAKI (Japan)
Makoto KADOWAKI, Kenji SUGIYAMA, Takao NOZAKI, Tomohiro YAMASAKI, Hiroki NAMBA, Kazuhiko KUROZUMI
- SY09-4** **MRgFUS in the Treatment of Parkinson Disease - Three years Taiwan First Experiences**
WeiChieh CHANG (Taiwan)
PHanei WU
- SY09-5** **Early postoperative tremor fluctuation and 6-12month outcomes after MRgFUS for essential tremor**
Kazushi KITAMURA (Japan)
Ryota MOTOIE, Namiko NISHIDA, Jumpei SUGIYAMA, Wataru YOSHIZAKI, Hiroki TODA
- SY09-6** **Is MRgFUS Treatment an Ablation Surgery? a Quantitative Diffusion MRI Study**
Kun-Hong LI (Taiwan)
Pei-Han WU, Yi-Wei PAN, Hui-Min WANG, Shu-Hui HOU, Wei-Chieh CHANG
- SY09-7** **Efficacy of MR-guided focused ultrasound therapy based on dentato-rubro thalamic tract**
Yosuke OKAZAKI (Japan)
Tatsuya SASAKI, Yosuke SHIMAZU, Hideo MURE, Shun TANIMOTO, Kouji KAWAI, Susumu SASADA, Takao YASUHARA, Isao DATE
- SY09-8** **Withdraw**

Daily Program

17:40-18:40	Evening Seminar Abbott Medical Japan LLC	Venue: Room1
	Chair(s): Haruhiko KISHIMA (Japan)	
ES1	DBS: Directionality & remote programming <u>Stefan Jun GROISS (Germany)</u>	

Daily Program

9:00-10:05	Symposium 10 Stereotactic neurosurgery	Venue: Room1
Chair(s): Tak Lap POON (Hong Kong), Chikashi FUKAYA (Japan)		
SY10-1 Keynote lecture	Human brain atlas for stereotactic functional neurosurgery <u>Takashi KAWASAKI (Japan)</u> Takefumi HIGASHIJIMA, Rosuke TAKAGI, Yuriko HIGUCHI, Koichi HAMADA, Katsuo KIMURA, Yuiko KIMURA, Masahiro SHIN	
SY10-2	A tale of two frames : from Leksell G-frame to Vantage frame <u>Danny Tat Ming CHAN (Hong Kong)</u>	
SY10-3	Application of intraoperative 3D fluoroscopy in frameless deep brain stimulation surgery <u>Sheng-Che CHOU (Taiwan)</u> Yi-Hsing CHEN, Kai-Chieh CHANG, Sung-Ju HSUEH, Horng-Huei LIOU, Sheng-Hong TSENG	
SY10-4	The Usefulness and safety of stereotactic brain biopsy for brainstem lesion <u>Kouji KAWAI (Japan)</u> Tatsuya SASAKI, Joji ISHIDA, Yoshihiro OTANI, Kentaro FUJII, Yosuke OKAZAKI, Shun TANIMOTO, Kakeru HOSOMOTO, Takao YASUHARA, Isao DATE	
SY10-5	Platelet abnormalities in patients with PD undergoing preoperative evaluation for DBS <u>Sheng-Che CHOU (Taiwan)</u> Chun-Hwei TAI, Sheng-Hong TSENG	
SY10-6	Five cases of chronic subdural hematoma after deep brain stimulation <u>Shun TANIMOTO (Japan)</u> Tatsuya SASAKI, Chiaki SUGAHARA, Yosuke OKAZAKI, Kouji KAWAI, Susumu SASADA, Takao YASUHARA, Isao DATE	
SY10-7	The risk factors of intracerebral hemorrhage in deep brain stimulation: does target matter? <u>Sang Ryong JEON (Korea)</u>	

9:00-10:05	Symposium 14 New technology	Venue: Room2
Chair(s): Shin-Yuan CHEN (Taiwan), Masafumi FUKUDA (Japan)		
SY14-1 Keynote lecture	Connectome analysis in functional neurosurgery <u>Satoshi MAESAWA (Japan)</u> Epifanio BAGARINAO, Tomotaka ISHIZAKI, Sachiko KATO, Manabu MUTO, Yoshiki ITO, Takafumi TANEI, Ryuta SAITO	
SY14-2 Keynote lecture	Normative Connectomic Approaches in Deep Brain Stimulation <u>Takashi MORISHITA (Japan)</u> Hiroshi ABE	
SY14-3 Keynote lecture	Transcranial magnetic stimulation as an assessment and treatment tool in functional neurosurgery <u>Masahito KOBAYASHI (Japan)</u>	
SY14-4	Implantable proximal peripheral nerve stimulation: a brand-new technology for motor restoration <u>Masayuki HIRATA (Japan)</u> Ben FORTUNE, Tianfang YAN, Takafumi SUZUKI, Taro KAIJU	
SY14-5	Prefrontal and hippocampal atrophy using 7-tesla MRI in patients with Parkinson's disease <u>Ye Won LEE (Korea)</u> Young Seok PARK, Tai Hyun KANG, Ye ryeong LIM	

Daily Program

SY14-6 Mapping effective connectivity of human amygdala subdivisions with intracranial stimulation

Masahiro SAWADA (Japan)

Ralph ADOLPHS, Brian J. DLOUHY, Rick L. JENISON, Ariane E. RHONE, Christopher K. KOVACH, Jeremy D.W. GREENLEE, Matthew A. HOWARD III, Hiroyuki OYA

10:10-11:05

**Symposium 11
Pain 1**

Venue: Room1

Chair(s): **Youichi SAITOH (Japan), Moo Seong KIM (Korea)**

SY11-1 Occipital neuralgia and Referred Trigeminal Pain from Greater Occipital Nerve (GON) Entrapment

Keynote lecture

Byung-chul SON (Korea)

SY11-2 Greater and Lesser Occipital Nerve Decompression for Intractable Chronic Headache

Moonyoung CHUNG (Korea)

SY11-3 Success or Failure of Pain Surgery Depending on the Location of Neuropathy

Moonyoung CHUNG (Korea)

SY11-4 Benefit of dorsal root entry zone lesioning for shooting pain in patients with spinal root avulsion

Koichi HOSOMI (Japan)

Satoru OSHINO, Yuki KIMOTO, Nobuhiko MORI, Hui Ming KHOO, Takufumi YANAGISAWA, Naoki TANI, Youichi SAITOH, Haruhiko KISHIMA

SY11-5 Perigenual Anterior Cingulotomy for Chronic Intractable Pain: Case Series of Five Patients

Jong-Ho HA (Korea)

Moonyoung CHUNG

SY11-6 Effects of tonic and burst DR stimulation to the spinal cord on central post-stroke pain

Tomoyoshi OTA (Japan)

Yosuke ITO, Hiroshi SHIROZU, Hiroshi MASUDA, Masafumi FUKUDA, Yukihiko FUJII

10:10-11:05

**Symposium 15
Dystonia**

Venue: Room2

Chair(s): **Ryoong HUH (Korea), Satoru OSHINO (Japan)**

SY15-1 DBS for Dystonia

Keynote lecture

Ryoong HUH (Korea)

SY15-2 Functional neurosurgery for dystonia

Keynote lecture

Shiro HORISAWA (Japan)

Takaomi TAIRA

SY15-3 Surgical treatment of Dystonia in Nepal

Keynote lecture

Resha SHRESTHA (Nepal)

Pritam GURUNG, Basant PANT

SY15-4 Surgical treatment of task specific focal dystonia in Nepal

Pritam GURUNG (Nepal)

Resha SHRESTHA, Basant PANT

Daily Program

AASSFN 2023
Apr. 29 (Sat)

- SY15-5** Brainlab Elements improves recurrence rate after ventro-oral thalamotomy for focal hand dystonia
Masahiko NISHITANI (Japan)
Shiro HORISAWA, Takaomi TAIRA

11:25-12:20 **Symposium 12** Venue: Room 1
Hemifacial spasm and neuralgia
Chair(s): **Seunghoon LEE** (Korea), **Yoshinori HIGUCHI** (Japan)

- SY12-1** **Microvascular decompression: learning from rare cases**
Keynote lecture Yoshinori HIGUCHI (Japan)
Shigeki NAKANO, Masaki IZUMI, Satoru KURIHARA, Yoji OKAHARA, Kyoko AOYAGI
- SY12-2** **Clinical Outcome of Endoscope-assisted Microvascular Decompression for Hemifacial Spasm**
Seunghoon LEE (Korea)
- SY12-3** **Effect of Microvascular Decompression on Quality of Life in Older Patients with Trigeminal Neuralgia**
Wataru YOSHIZAKI (Japan)
Yoshiki FUJIKAWA, Sadaharu TORIKOSHI, Toshiro KATAYAMA, Koichi IWASAKI, Hiroki TODA
- SY12-4** **Is Hartel's method appropriate for Koreans?**
Seung Woo HONG (Korea)
Kyung Won CHANG, Won Seok CHANG, Jin Woo CHANG, Hyun Ho JUNG
- SY12-5** **Vertebral artery tortuosity and posterior cranial fossa volume in patients with hemifacial spasm.**
Takashi HANYU (Japan)
Ryosuke OKUMURA, Hiroki TODA
- SY12-6** **Treatment options for recurrent glossopharyngeal neuralgia after initial Gamma knife radiosurgery**
Je Hwi YUN (Korea)
Seong Ae CHO, Ae Hwa JANG, Sang Ryul LEE, Young Hwan AHN

11:25-12:20 **Symposium 16** Venue: Room 2
Parkinson Disease
Chair(s): **Yasushi MIYAGI** (Japan), **Dianyou LI** (China)

- SY16-1** **Directional Deep Brain Stimulation for Parkinson disease under General Anesthesia**
Keynote lecture Shin-Yuan CHEN (Taiwan)
- SY16-2** **Accuracy and related factors of STN electrode implantation in DBS surgery for Parkinson's disease**
Tuan Anh PHAM (Vietnam)
Phuong Duy DAO, Nghia Thanh VO, Khang Thai Binh LE
- SY16-3** **Long-term outcome of adaptive DBS using LFP sensing technology**
Katsuo KIMURA (Japan)
Hitaru KISHIDA, Takefumi HIGASHIJIMA, Takashi KAWASAKI, Naohisa UEDA, Fumiaki TANAKA

Daily Program

AASSFN 2023

Apr. 29 (Sat)

- SY16-4** **In six months, adaptive DBS improved Parkinson's disease motor symptoms as much as continuous DBS.**
Takuto EMURA (Japan)
 Takuto EMURA, Naoki TANI, Koichi HOSOMI, Takahiro MATSUHASHI, Yuki KIMOTO, Adbi REZA, Xin HE, Haruhiko KISHIMA
- SY16-5** **Striatal dopamine transporter and microglia predict efficacy of STN-DBS for Parkinson's disease**
Takao NOZAKI (Japan)
 Makoto KADOWAKI, Kenji SUGIYAMA, Tomohiro YAMASAKI, Masamichi YOKOKURA, Tomoyasu BUNAI, Kazuhiko KUROZUMI, Yasuomi OUCHI
- SY16-6** **The effect of Rikaba, a hybrid physical exercise salon for Parkinson's disease patients**
Hiroshi NAKANISHI (Japan)
 Ryoma MORIGAKI, Nobuaki YAMAMOTO, Joi FUJIKAWA, Teruo ODA, Hiroshi OHMAE, Yuishin IZUMI, Yasushi TAKAGI

12:30-13:30	Luncheon Seminar Boston Scientific Corporation	Venue: Room1
	Chair(s): Isao DATE (Japan)	

- LS3** **Optimizing clinical practice - does standardization improve the quality of DBS therapy?**
Jens VOLKMANN (Germany)

12:30-13:30	Luncheon Seminar InSightec Japan K.K.	Venue: Room2
	Chair(s): Jung-Il LEE (Korea)	

- LS4** **Review and Perspective on Magnetic Resonance-guided Focused Ultrasound for Movement Disorders**
Hiroki TODA (Japan)
 Namiko NISHIDA, Masahiro SAWADA, Yosuke TARUNO, Makio TAKAHASHI, Satoshi KANEKO

13:40-14:10	Memorial Lecture 2	Venue: Room1
	Chair(s): Jin Woo CHANG (Korea)	

- ML2** **Spiegel-Wycis Award Commemorative Lecture**
Takaomi TAIRA (Japan)

Daily Program

14:20-15:20	Symposium 13 Psychiatry and Dementia	Venue: Room1
Chair(s): Terry COYNE (Australia), Masaki IWASAKI (Japan)		

- SY13-1
Keynote lecture **Bilateral nucleus accumbens DBS in for psychiatric conditions**
Terry COYNE (Australia)
 Peter SILBURN, Philip MOSLEY
- SY13-2
Keynote lecture **Neurosurgical interventions for psychiatric disorders - Indian Experience**
Paresh K DOSHI (India)
- SY13-3 **The effectiveness of deep brain stimulation for severe and treatment-resistant Tourette syndrome**
Yuiko KIMURA (Japan)
 Mayu OMORI, Takanobu KAIDO, Yukiko KANO, Masaki IWASAKI
- SY13-4 **The prefrontal leucotomy for psychiatric diseases in times past: Tractography and EEG Connectivity**
Katsushige WATANABE (Japan)
 Sumito SATO, Kae KAWAZOE, Masashi HORIUCHI, Hiroyuki FUKUYAMA, Kiyomi AMEMIYA
- SY13-5 **Neuromodulation for schizophrenia: connectomic analysis of brain targets based on clinical trials**
Kazuaki YAMAMOTO (Canada / Japan)
 Jürgen GERMANN, Gavin J.B. ELIAS, Emily H.Y. WONG, Alexandre BOUTET, Andres M. LOZANO
- SY13-6 **Relationship between the improvement of iNPH symptoms and hidden neurodegenerative brain pathology**
So Hee PARK (Korea)
 Hyun Ho JUNG, Jin Woo CHANG, Se Hoon KIM, Byoung Seok YE, Won Seok CHANG

14:20-15:15	Symposium 17 Pain 2	Venue: Room2
Chair(s): Hyun Ho JUNG (Korea), Takashi AGARI (Japan)		

- SY17-1
Keynote lecture **Surgical treatment for central spinal neuropathic pain**
Takashi AGARI (Japan)
 Ayako ISOO, Keisuke TAKAI
- SY17-2 **Spinal cord stimulation for CRPS**
Moo Seong KIM (Korea)
- SY17-3 **Does Spinal Cord Stimulation have an efficacy against spinal deformity with spino-pelvic disharmony?**
Daisuke UMEBAYASHI (Japan)
 Toshiki NAGAI, Shou NISHII, Naoya HASHIMOTO
- SY17-4 **Low frequency PAVG deep brain stimulation for central neuropathic pain from spinal cord injury**
Hyun Ho JUNG (Korea)
 Jürgen GERMANN, Aaron LOH, Alexandre BOUTET, Seung Woo HONG, Won Seok CHANG, Andres M. LOZANO, Jin Woo CHANG
- SY17-5 **Analysis of 14 classical fibromyalgia cases with severe spasm of 11 responder to SCS or ITB**
Katsuhiko NISHINO (Japan)
 Kazuyuki IMAMURA, Matija MILOSEVIC, Teruyasu HIRAYAMA
- SY17-6 **Withdraw**

Daily Program

AASSFN 2023

Apr. 29 (Sat)

16:30-18:30	Evening Seminar	Venue: Room1
16:30-17:20	Novel challenges in FUS	
	Chair(s): Hidehiro HIRABAYASHI (Japan), Jin Woo CHANG (Korea)	
ES2-1	Combination of Neuronavigation-Guided Focused Ultrasound and Bevacizumab for Patients with Recurrent Glioblastoma: a Phase IIa Study <u>Kuo-Chen WEI</u> (Taiwan) Ko-Ting CHEN, Hao-Li LIU	
ES2-2	The role of focused ultrasound in the treatment of alzheimer's disease <u>So Hee PARK</u> (Korea)	
ES2-3	When should we abandon continuation of FUS for low SDR patients? <u>Kenji SUGIYAMA</u> (Japan) Muneaki HASHIMOTO, Makoto KDOWAKI, Hiroki NAMBA, Takao NOZAKI, Kazuhiko KUROZUMI	
17:20-18:30	Adoption of FUS in Asia-Australasia and future collaborations	
	InSightec Japan K.K.	
	Chair(s): Takaomi TAIRA (Japan)	
ES2-4	Panelist <u>Jin Woo CHANG</u> (Korea)	
ES2-5	Panelist <u>WeiChieh CHANG</u> (Taiwan)	
ES2-6	Panelist <u>Hidehiro HIRABAYASHI</u> (Japan)	