THE HONG KONG SOCIETY FOR
STEREOTACTIC FUNCTIONAL NEUROSURGERY

4th Educational Symposium cum Annual General Meeting



LEGACY. EVOLUTION. DECODING.

PROGRAM BOOK



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WELCOME MESSAGE

HKSSFN 4th Educational Symposium cum AGM



Dear Colleagues and Friends,

On behalf of the Hong Kong Society for Stereotactic and Functional Neurosurgery (HKSSFN), it is my distinct honor to welcome you to join our 4th Educational Symposium cum Annual General Meeting.

This year, we have chosen a theme that reflects both our roots and our future: "Legacy. Evolution. Decoding." As we gather, we celebrate the rich history of our specialty while embracing the rapid technological advancements that are reshaping how we treat neurological disorders.

We are incredibly privileged to present a distinguished panel of Asia and International experts for our featured Talks. Professor Takaomi TAIRA, our 1st international honorary member will share his precious experience and reflection as “Personal history in functional neurosurgery”. Professor Marc GALLAY, the Consultant Neurosurgeon from MRgFUS Center of Ostermundigen-Bern, Switzerland, will discuss the “Evolution of MRgFUS treatments for Parkinson’s Disease and Essential Tremor over the last decade, and the application for chronic and therapy-resistant neuropathic pain”. Besides, Professor Shiro HORISAWA is going to deliver his view in how we can "Demystifying Forel's field."

Beyond the academic sessions, this symposium is a vital opportunity for our community to connect. As we decode the complexities of the brain and evolve our practices, your participation is what makes this society thrive. I look forward to seeing you there.

Warmest regards,

Dr. Tak-lap Poon
President
The Hong Kong Society for Stereotactic and Functional Neurosurgery Company Limited





Dear Members and Friends,

Welcome to the 4th Educational Symposium and Annual General Meeting of the HKSSFN. This gathering is so much more than a series of presentations; it is a space for us to truly connect and grow closer as a community.

I am incredibly delighted to welcome our distinguished guest speakers, Prof. Takaomi TAIRA and Prof. Shiro HORISAWA. Their enduring commitment to sharing their wealth of knowledge since our very first symposium means a great deal to all of us.

This year, our focus centres on vital advancements in Functional Neurosurgery. We will explore the evolving role of MRgFUS for movement disorders and neuropathic pain, as well as contemporary insights into the clinical significance of Forel's field.

I also want to extend my heartfelt gratitude to Prof. Marc GALLAY. His presence here speaks volumes about his dedication to our community. His insights into the changing use of MRgFUS for Parkinson's disease and tremor will undoubtedly inspire new ways of thinking.

Building on everything we have shared in past years, let us make our time together a true collaboration. We are here not just as colleagues, but as genuine partners in care. Together, we can continue to guide our field forward with both rigorous evidence and deep compassion. Please enjoy the sessions, take time to connect with one another, and I hope this symposium leaves you inspired.

Warmest regards,



Dr. Danny TM Chan
Vice-President
The Hong Kong Society for Stereotactic and Functional Neurosurgery Company Limited



GUEST FACULTIES

HKSSFN 4th Educational Symposium cum AGM

The Council would like to thank the following guest faculties for their invaluable contributions to the 4th Educational Symposium cum Annual General Meeting of the HKSSFN.

Marc GALLAY, M.D.
Neurosurgeon, SIFUS AG (MRgFUS Center), Ostermundigen-Bern, Switzerland

Takaomi TAIRA, M.D., Ph.D.
Special Adjunct Professor, Hyogo Medical University, Hyogo, Japan
Adjunctive Professor, Airlangga University, Surabaya, Indonesia
Special advisor, Kumagaya General Hospital

Shiro HORISAWA, M.D.
Assistant professor, Department of Neurosurgery, Stereotactic and Functional Neurosurgery, Tokyo Women's Medical University
Director of Stereotactic and Functional Neurosurgery, Department of Neurosurgery, Tokyo Women's Medical University
Research Collaborator, Center for Brain Circuit Therapeutics, Brigham and Women's Hospital, Harvard Medical School





Marc GALLAY, M.D.
Neurosurgeon, SIFUS AG (MRgFUS Center), Ostermundigen-Bern, Switzerland

He is a functional neurosurgeon specializing in incisionless transcranial MR-guided focused ultrasound (MRgFUS) surgery.

He is co-founder and functional neurosurgeon at the Swiss Institute for Focused Ultrasound Surgery (SIFUS), a private institute based in Bern-Ostermundigen, and serves as a Consultant Neurosurgeon for MRgFUS at Inselspital, Bern University Hospital. He is also involved in academic teaching at the University of Fribourg.

Dr Gallay trained in the tradition of Swiss stereotactic and functional neurosurgery. He is a pupil of Dr Anne Morel, an internationally recognized neuroscientist and neuroanatomist whose work on human thalamic anatomy has strongly influenced his anatomical approach. He also had the privilege of being trained for more than a decade by Professor Daniel Jeanmonod, whose work in functional neurosurgery and thalamic surgery has been central to his clinical and scientific development.

His clinical and scientific work focuses on stereotactic functional neurosurgery, neuroanatomy, and the development of MRgFUS lesioning strategies for movement disorders and chronic neuropathic pain.

His research interests include advanced stereotactic targeting, thalamic and subthalamic anatomy, ultra-high-field MRI, quantitative imaging, and the refinement of patient selection and outcome assessment for incisionless functional neurosurgery.

He is actively involved in expanding MRgFUS clinical indications and improving the precision and safety of focused ultrasound functional neurosurgery.





Takaomi TAIRA, M.D., Ph.D.
Special Adjunct Professor, Hyogo Medical University, Hyogo, Japan
Adjunctive Professor, Airlangga University, Surabaya, Indonesia
Special advisor, Kumagaya General Hospital

Takaomi was a 1982 medical graduate of Kobe University in Japan, he received his Ph. D. from Tokyo Women's Medical University, Japan in 1996. He was named as a Board-certified neurosurgeon in Japan Neurosurgical Society in 1998. He served as Clinical instructor from 1992 to 1998 and Director of functional neurosurgery from 1999 to 2022 in the Department of Neurosurgery, Tokyo Women's Medical University. He was the Past President of World Society for Stereotactic and Functional Neurosurgery, and Japan Society for Stereotactic and Functional Neurosurgery, as well as the Past Chairman of Stereotactic and Functional Neurosurgery Committee, World Federation of Neurosurgical Societies. He won the award of British Council Scholarship in 1988, Makoto Saito International Award from Japan Neurosurgical Society in 2020, and Spiegel-Wycis Award from World Society for Stereotactic and Functional Neurosurgery (WSSFN) in 2022.

His main areas of interest are stereotactic and functional neurosurgery for pain management and movement disorders, including surgical management of various types of dystonia and spasticity. Moreover, he also focuses on the development of Neurorehabilitation, Clinical neurophysiology, Radiosurgery, and Intraoperative MRI.





Shiro HORISAWA, M.D.

Assistant professor, Department of Neurosurgery, Stereotactic and Functional Neurosurgery, Tokyo Women's Medical University
Director of Stereotactic and Functional Neurosurgery, Department of Neurosurgery, Tokyo Women's Medical University
Research Collaborator, Center for Brain Circuit Therapeutics, Brigham and Women's Hospital, Harvard Medical School

Shiro was a 2002 medical graduate of Tokai University in Japan. He is the Director of stereotactic and functional neurosurgery in Tokyo Women's Medical University. He was named as Board certified neurosurgeon in Japan Neurosurgical Society in 2015. His surgical techniques include radiofrequency thermal coagulation, deep brain stimulation, gamma knife, focused ultrasound, intrathecal baclofen, spinal cord stimulation and peripheral nerve neurotomy. He has more than 1500 experiences in stereotactic brain surgery and more than 50 international papers as first or corresponding author. He became the youngest ever member of the WSSFN board of directors in 2017. He has received numerous international awards and competitive research funds. His current research focuses on clinical studies of deep brain stimulation for the cerebellum and focused ultrasound for the pallidothalamic tract at Forel's field, as well as the effects of pallidothalamic tract surgery on movement disorders, epilepsy, and psychiatric disorders.

He won the Young Traveler Award at the joint meeting of the German Society of Neurosurgery and Japanese Neurosurgical Society in 2012, and the Best clinical poster award and the Bakay Award from World Society for Stereotactic and Functional Neurosurgery in 2013 and 2019 respectively. Shiro won the incentive award at the 78th annual meeting of Japan Neurological Society in 2019.

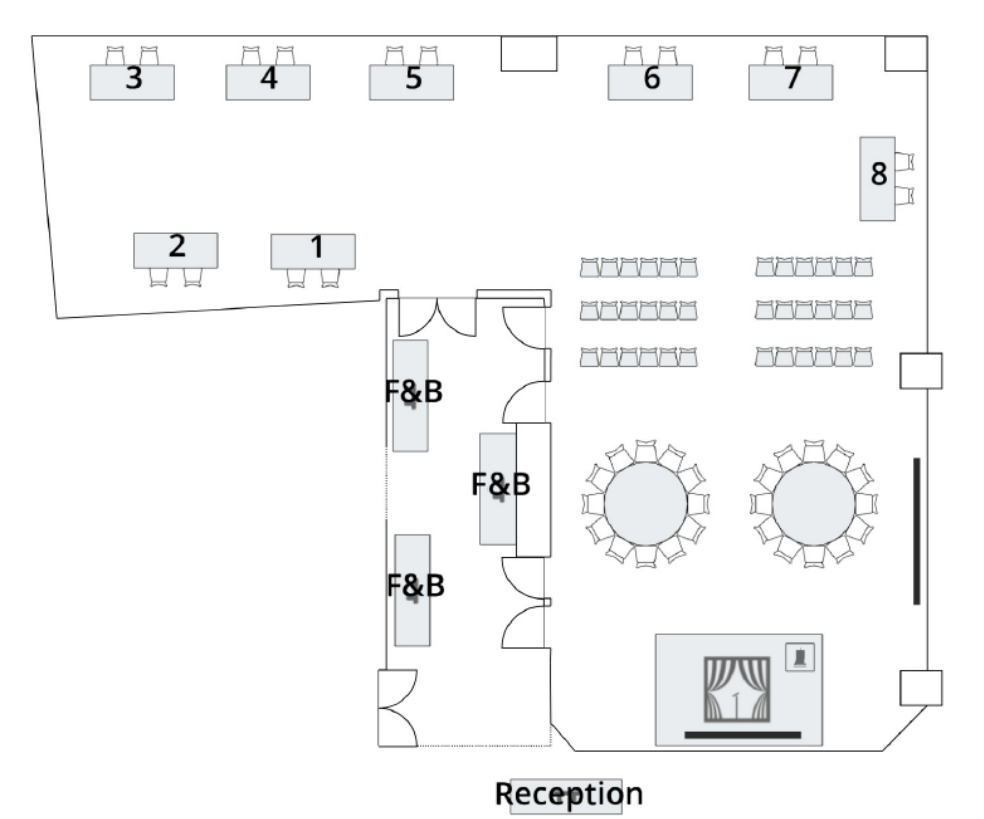
He is skilful in lesioning surgery (Radiofrequency, Gamma Knife, Focused Ultrasound), Deep Brain Stimulation, Spinal Cord Stimulation, and Intrathecal Baclofen Therapy.



VENUE FLOOR PLAN

HKSSFN 4th Educational Symposium cum AGM

Venue: Salon I-III, Hyatt Regency Tsim Sha Tsui



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PROGRAMME AT A GLANCE

HKSSFN 4th Educational Symposium cum AGM

1000 Registration & Welcome Reception with Refreshments

1100 Welcome speech
Chairpersons: Dr Tak Lap POON

1115 My Personal History in Functional Neurosurgery
Professor Takaomi TAIRA
Chairpersons: Dr CP YU & Dr Danny TM CHAN

1200 Invite Professor Shiro HORISAWA as Honorary Member & Group Photo

1210 Annual General Meeting

1230 Lunch Buffet

1400 Evolution of Our Approach to MRgFUS Treatments for Parkinson's Disease and Essential Tremor Over the Last Decade
Professor Marc GALLAY
Chairpersons: Dr TL POON & Dr Jason HO

1500 MRgFUS for Chronic and Therapy-Resistant Neuropathic Pain
Professor Marc GALLAY
Chairpersons: Dr XL ZHU & Dr Michael LEE

1530 Coffee Break

1545 Demystifying Forel's field
Professor Shiro HORISAWA
Chairpersons: Dr Benedict TAW & Dr Teresa TSE

1645 Closing remarks



ACKNOWLEDGMENT

HKSSFN 4th Educational Symposium cum AGM

The Council would like to extend their heartfelt thanks

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Honorary Legal Advisor	Honorary Auditor	Photographer
Miss Vivian YEUNG	Mr Vincent NG	Magic Moments Productions

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Bone Mill +

Preparation of harvested autologous bone



BoneVac

Autologous bone dust collector

Closure

Cranial Closure



PEEK

Polyether ether ketone (PEEK) patient specific implants



MEDPOR

Porous polyethylene patient specific implants



Adherus

Autospray dural sealant



Duramatrix

Collagen dura membrane



Universal Neuro III

Cranial fixation system



DirectInject

A self-setting, calcium phosphate cement

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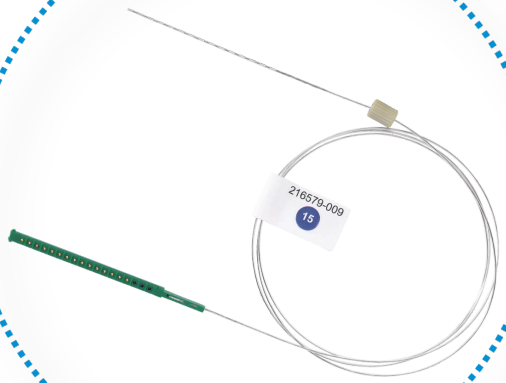
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Stealth AXiS™ Surgical System

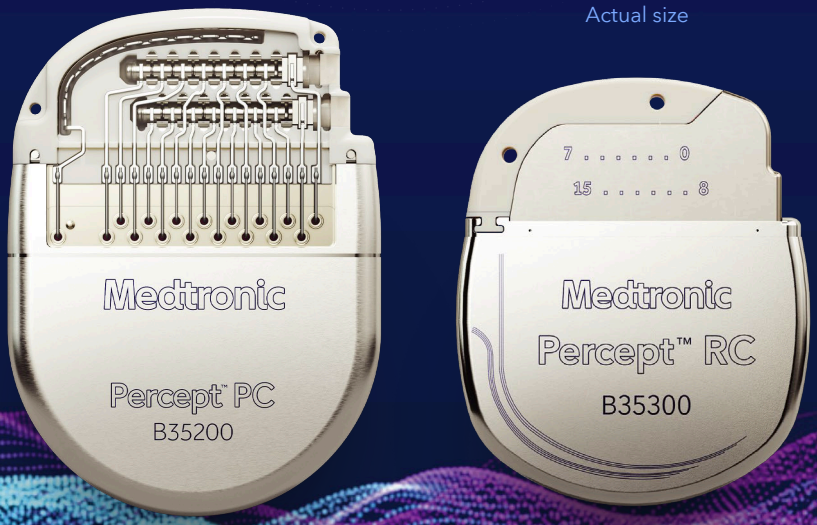
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RECHARGE-FREE



Recharge-free IPG | Illustration [3]

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RECHARGE-FREE THERAPY

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Primary-cell battery eliminates routine IPG recharging. Battery monitoring and replacement remain part of long-term care. [1]

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SOURCES [1] Abbott, Infinity™ DBS System, international HCP webpage. [2] Abbott, MRI Support - DBS Full Systems. [3] Abbott, DBS Patient Brochure, 38778_MD_DBS-PatientBro_r6_FNL_Web, p. 5. Accessed 23 Oct 2026.

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