



Jin Woo Chang

## Letter From The President

Dear Friends and Colleagues,

First, I would like to express gratitude to members of the World Society for Stereotactic and Functional Neurosurgery for pulling through these difficult times caused by the COVID-19 pandemic. I am proud of our ability to overcome challenges and continue to make progress and strengthen our friendship. Fortunately, the Covid-19 pandemic has now

shifted to a new phase, due to the widespread uptake of vaccines and the availability of effective therapeutics. The high rates of vaccine uptake and infection-induced immunity globally have contributed to lower risks of developing severe disease and mortality. Now, many countries, including Korea, the USA, and others are lifting entry restrictions. Therefore, I am deeply honoured to announce that our 19th Biennial Meeting of WSSFN which has been postponed several times due to pandemic will finally be held, as planned, on 4 – 7, September 2022 in Incheon. Thankfully and very timely, our members of the WSSFN have already shown great interest in participation through a large number of submissions of abstracts as we did for the New York meeting. The quality of the abstracts has exceeded our estimation, especially given the relatively short notice of submission due to the Covid-19 pandemic. We are conscious of the downturn in the global economy as well as the rising costs of travel caused by

the ongoing conflict in Ukraine. In response, we have endeavoured to keep accommodation and registration fee for our WSSFN meeting at a reasonable price. I am convinced that the 2022 WSSFN meeting in Korea will demonstrate the recent innovation of clinical and basic research fields in stereotactic and functional neurosurgery. Most importantly, it will offer an amazing opportunity to interact in person with colleagues, with neuroscientists and with industry all around the world, and to collaborate and discuss the innovation involved in stereotactic and functional neurosurgery.

I believe that the 2022 WSSFN meeting is the perfect place to convey our message, “Neuromodulation: Shaping the Future”. Inspired by this concept, we have prepared a tremendous scientific program which will give you a chance to develop new and effective ways to provide material assistance in the field of stereotactic and functional neurosurgery and to share your latest work and research through a platform where academics, industry leaders, and all those affiliated with our field can gather to discuss our progress and grow friendships.

I am deeply thankful for your continuous support. I look forward to seeing you in Incheon, Korea in September 2022.

Sincerely,

Jin Woo Chang, President of WSSFN



Harith Akram

## Letter From The Editor

I would like to open my first ‘Letter from the Editor’ by thanking my predecessor, Dr Erich Richter for being the previous guardian of this publication and for the kind guidance and introduction he gave me when I edited the last issue. I am under no illusions as to the size of shoes I will need to fill. Luckily, I have Melody Dian, our WSSFN Administrator to thank for her endless effort in calling for

submissions, designing the template and most importantly, keeping me in check!

I would also like to thank members and friends of the WSSFN for their invaluable contributions and I would encourage all to use this outfit as a forum for debate, information sharing, announcements, and education to distribute amongst our community.

As our WSSFN Congress in Korea is only round the corner, our President, Dr Chang writes a warm letter welcoming delegates to the meeting and thanking the organizing committee for the excellent work they have done. I have no doubt that this meeting is going to

be special after all the disruption the recent pandemic has caused. I, for one, am very much looking forward to seeing old friends and to making new ones in Incheon this September.

In this issue, I endeavoured to introduce a new, regular item on ‘Hot Topics in Stereotactic and Functional Neurosurgery’ borrowed from the Stereotactic Academy where Professor Marwan Hariz reviews recently published literature. There is a letter from Verena Schiller, President of Neuro-solutions at Elekta clarifying the company’s position on the future of current Leksell stereotactic frames. We also have very encouraging feedback from meetings that have taken place in the Middle East and in Japan as well as a successful Cadaver and Programming Course in Turkey conducted under the auspices of the WSSFN. Furthermore, you will find information on our past Webinars (which have proven to be tremendously popular), and on future meetings.

Finally, please take time to read a moving obituary by Dr Giovanni Broggi, commemorating the passing of Professor Yves Lazorthes. May he rest in peace.



# WSSFN

WORLD SOCIETY FOR  
STEREOTACTIC &  
FUNCTIONAL NEUROSURGERY

# 2022

SEPTEMBER 4 - 7, 2022

SONGDO CONVENIA, INCHEON, KOREA

[www.wssfn2022.org](http://www.wssfn2022.org)

Supported by



## WSSFN 2022 Congress will have unique, important, and interesting presentations!

A special thank you to the scientific committee and meeting Chairman, Dr. Kendall Lee for his outstanding organization! He has been assisted by the excellent work from the organizing committee, members including: Dr. Jin Woo Chang, Dr. Paresch Doshi, Dr. Bomin Sun, Dr. Jocelyne Bloch, Dr. Mojgan Hodaie, Dr. Yoonbae Oh, Dr. Hojin Shin, Dr. Jason Yuen, Kelly Kim, Genicom company organizer and Melody Dian, WSSFN Administrator. There will be an outstanding array of keynote speakers, pre-meeting as well as breakfast workshops and plenary sessions with a wide focus and with inclusion of industry and government panels.

The response to the call for abstracts has been excellent and reflects the interests of delegates attending the WSSFN meeting which had to be delayed since the New York City meeting held in 2019. We are pleased to be able to provide travel grants to those applying and meeting our specific criteria. Requests have greatly increased, and we are working to provide continuous help and support to those who may benefit the most from attending the meeting. The WSSFN is proud of its history of awarding the Spiegel Wycis wards as well as the Tasker award and awards unique to the meeting's location to those in the field of neurosurgery particularly stereotactic and functional subspecialty. It is our hope that you will be attending the WSSFN 2022 meeting and join us in learning and sharing of ideas and knowledge in a friendly, collegiate atmosphere.



# Elekta is Investing in Stereotactic Neurosurgery



Elekta Instrument AB

Date: 2021-09-17

## Elekta is investing in stereotactic neurosurgery

I read with great interest the WSSFN Winter newsletter 2021, in particular the article titled *ASSFN and WSSFN Encourage Companies to Continue Supporting Traditional Frames*. That article highlights a concern among the ASSFN and WSSFN members that two dominating stereotactic systems, the CRW and the Leksell Stereotactic System, G-Frame, will be removed from the market.

Related to this concern, I am happy to provide some firsthand information regarding Elekta's plans within the stereotactic neurosurgical field and to address some misconceptions that were present in the article. Most importantly, Elekta is not leaving the stereotactic business. On the contrary, Elekta is investing in this segment to continue to provide top quality stereotactic systems that are compatible with novel 3<sup>rd</sup> party imaging devices and planning software tools.

Our new stereotactic system, the Leksell Vantage Stereotactic System, was developed to address limitations of our former system, the Leksell Stereotactic System, G-Frame. A few of the apparent improvements are the open face design that provide free access to mouth, nose and eyes during the surgical procedure, a robust click-on arc that provides fast setting of x-coordinates and a clean sterile interface where all the scales are in the sterile field. Based on feedback from our G-Frame users, the Vantage head frame and imaging accessories were developed without any metal to allow for unrestricted MR imaging sequences in 1.5 T and 3 T MR scanners. This new Vantage system has now entered the market and we are convinced that it will contribute to further improve stereotactic neurosurgery.



In the WSSFN newsletter there was a concern that the Vantage system, due to limited reachability, could not be used for targets where a lateral or posterior approach is needed. It is evident that the design of the Vantage system is different than that of the G-Frame, but the reachability requirements are the same. With Vantage it is not possible to adjust or remove individual posts, nor is it possible to mount the Arc in anterior-posterior orientation. Instead, the Arc of the Vantage system can be set all the way to 184 degrees and surgery is to be performed through the Rings of the system for lateral approaches. When targeting the posterior fossa from a posteriolateral angle there may be a need to fixate the frame in a position rotated in relation to the axial plane to optimize reachability. As of today, more than 100 clinical sites are using the Vantage System and so far we are not aware of any case where the Vantage System could not be used for lateral or posterior approaches. Having stated this, there are still plans to further improve the reachability of the Vantage system by developing additional accessories to this system for use in open surgery as well as stereotactic radiosurgery with the Leksell Gamma Knife.

In the WSSFN newsletter there was another concern that the Vantage system will be too expensive for many hospitals. Although the price of the Vantage system is a bit higher than the G-Frame system, it is still in the same range and should not be compared with the prize of robotic systems. There are different payment schemes that can be applied and Elekta is willing to work out individual solutions for hospitals that are struggling to afford a stereotactic system.

In Europe and the U.S. we have slowly started to phase out the Leksell Stereotactic System, G-Frame. However, our existing customers can still buy additional G-Frames and Arcs until at least 2025. This means that spare parts will be available until at least 2025. For other parts of the world where the Vantage system does not yet have regulatory approval the G-Frame system is still sold as usual.

The main reason to why we are phasing out the G-Frame is that we are convinced that the Vantage system is a better system. It is more user friendly, more robust and will outperform the G-Frame when used together with modern imaging equipment such as 3 T MR scanners and low dose intraoperative cone beam CT scanners. It may be argued that some of the flexibility of the G-Frame system is missing in the Vantage system. These aspects are target for upcoming development of the Vantage system. Development resources are focused on the Vantage system and we hope that the Leksell Vantage Stereotactic System will be cherished as much as the G-Frame System has been over the years. Regardless of which system is used, I would like to take this opportunity to thank the neurosurgical community for saving and improving the lives of patients using stereotactic techniques.

Sincerely,

Verena Schiller  
President Neuro Solutions

# Hot Topics in Stereotactic and Functional Neurosurgery



## Hot Topics in Stereotactic and Functional Neurosurgery

(Review of RECENT PUBLICATIONS, December 2021 - June 2022)

Never find the time to search PubMed and read all new papers? Here below you will find a selection of recent publications. Use the link to the Stereotactic Academy to access a summary presented by Professor Marwan Hariz.

<https://stereotactic.org/category/publications/>

This episode of Hot Topics summarizes and comments on 33 papers on the following subjects: Movement Disorders, Psychiatry, Imaging, Lesions, Cognition, Ethics and Women.

Functional neurosurgery, especially DBS, is a milk cow generating tons of milk and it is a well that never dries. It is thus difficult to decide among the hundreds of papers published every 6 months what to highlight. New for the present edition is that I tried to find as many interesting papers as possible that are published as "open access" so the reader of my summaries and comments can easily click on the provided link and download the full paper and read it if he/she is interested in the topic. Of course, I always welcome feedback including critics of, or protest against, or even occasional praise of my commentaries, either here on this platform or by email to me on [marwan.hariz@umu.se](mailto:marwan.hariz@umu.se) or on [m.hariz@ucl.ac.uk](mailto:m.hariz@ucl.ac.uk)

To accompany this issue of Hot Topics, I borrowed a quote from Mark Twain: **"The arduous work of countless researchers has already thrown much darkness on the subject, and if they continue, we shall soon know nothing at all about it"**

### MOVEMENT DISORDERS

1. Additional Benefit of Intraoperative Electroacupuncture in Improving Tolerance of Deep Brain Stimulation Surgical Procedure in Parkinsonian Patients. *Raoul S et al. J Clin Med. 2022 May 10;11(10):2680.*
2. The Deep Brain Stimulation Impairment Scale: A useful complement in assessment of well-being and functioning in DBS-patients - Results from a large multicentre survey in patients. *Haarmann L et al. Parkinsonism Relat Disord. 2022 Apr 28;99:8-15.*
3. The Contribution of Subthalamic Nucleus Deep Brain Stimulation to the Improvement in Motor Functions and Quality of Life. *Tödt I et al. Mov Disord. 2022 Feb;37(2):291-301.*
4. A randomised double-blind controlled study of Deep Brain Stimulation for dystonia in STN or GPI - A long term follow-up after up to 15 years. *Hock AN et al. Parkinsonism Relat Disord. 2022 Mar;96:74-79.*
5. Initial Clinical Outcome With Bilateral, Dual-Target Deep Brain Stimulation Trial in Parkinson Disease Using Summit RC + S. *Mitchell KT et al. Neurosurgery. 2022 Jul 1;91(1):132-138.*
6. Troubleshooting Gait Disturbances in Parkinson's Disease With Deep Brain Stimulation. *Pozzi NG et al. Front Hum Neurosci. 2022 May 16;16:806513.*
7. Long-term Outcomes (15 Years) After Subthalamic Nucleus Deep Brain Stimulation in Patients With Parkinson Disease. *Bove F et al. Neurology. 2021 Jun 2;10:1212.*
8. Long-term independence and quality of life after subthalamic stimulation in Parkinson's disease. *Castrioto A et al. Eur J Neurol. 2022 Jun 6.*
9. The Role of Microelectrode Recording and Stereotactic Computed Tomography in Verifying Lead Placement During Awake MRI-Guided Subthalamic Nucleus Deep Brain Stimulation for Parkinson's Disease. *Vinke RS et al. J Parkinsons Dis. 2022;12(4):1269-1278.*

# Hot Topics in Stereotactic and Functional Neurosurgery (cont.)

## MOVEMENT DISORDERS (continued)

10. Subthalamic deep brain stimulation versus best medical treatment: a 12-year follow-up. *de Noordhout AM et al. Acta Neurol Belg. 2022 Feb;122(1):197-202.*
11. Ventral Intermediate Nucleus of the Thalamus versus Posterior Subthalamic Area: Network Meta-Analysis of DBS Target Site Efficacy for Essential Tremor. *Kondapavulur S et al. Stereotact Funct Neurosurg. 2022 Mar 29;1-12.*
12. Which one is the superior target? A comparison and pooled analysis between posterior subthalamic area and ventral intermediate nucleus deep brain stimulation for essential tremor *Fan H et al. CNS Neurosci Ther. 2022 Jun 10.*
13. Stimulation of the pedunclopontine and cuneiform nuclei for freezing of gait and falls in Parkinson disease: Cross-over single-blinded study and long-term follow-up. *Bourilhon J et al. Parkinsonism Relat Disord. 2022 Mar;96:13-17.*

## PSYCHIATRY

1. Deep Brain Stimulation for Severe and Intractable Aggressive Behavior. *Escobar Vidarte OA et al. Stereotact Funct Neurosurg. 2022 Jan 31;1-4.*
2. Commentary on the Continued Investigational Status of DBS for Psychiatric Indications. *Coffey RJ et al. Stereotact Funct Neurosurg. 2022;100(3):156-167.*
3. Deep Brain Stimulation for Post-Traumatic Stress Disorder: A Review of the Experimental and Clinical Literature. *Meeres J, Hariz M. Stereotact Funct Neurosurg. 2022;100(3):143-155.*
4. Long-term ecological assessment of intracranial electrophysiology synchronized to behavioral markers in obsessive-compulsive disorder. *Provenza NR et al. Nat Med. 2021 Dec;27(12):2154-2164.*
5. Deep Brain Stimulation for Depression Informed by Intracranial Recordings. *Sheth SA et al. Biol Psychiatry. 2021 Nov 22;S0006-3223(21)01747-9.*
6. Deep brain stimulation for psychiatric disorders and behavioral/cognitive-related indications: Review of the literature and implications for treatment. *Mahoney JJ 3rd et al. J Neurol Sci. 2022 Jun 15;437:120253.*

## IMAGING

1. The Fast Gray Matter Acquisition T1 Inversion Recovery Sequence in Deep Brain Stimulation: Introducing the Rubral Wing for Dentato-Rubro-Thalamic Tract Depiction and Tremor Control. *Bot M et al. Neuromodulation. 2022 Jan 15;S1094-7159(21)06948-8.*
2. Probing responses to deep brain stimulation with functional magnetic resonance imaging. *Loh A et al. Brain Stimul. 2022 Apr 18;15(3):683-694.*
3. Predicting optimal deep brain stimulation parameters for Parkinson's disease using functional MRI and machine learning. *Boutet A et al. Nat Commun. 2021 May 24;12(1):3043.*
4. Lead-OR: A multimodal platform for deep brain stimulation surgery. *Oxenford S et al. Elife. 2022 May 20;11:e72929.*
5. DIPS (Dystonia Image-based Programming of Stimulation: a prospective, randomized, double-blind crossover trial). *Lange F et al. Neurol Res Pract. 2021 Dec 20;3(1):65.*

## LESIONS

1. Magnetic Resonance Image Guided Focused Ultrasound Thalamotomy. A Single Center Experience With 160 Procedures. *Lak AM et al. Front Neurol. 2022 Feb 18;13:743649.*
2. Magnetic Resonance-Guided Focused Ultrasound Thalamotomy for Essential Tremor Under General Anesthesia: Technical Note. *Mensah-Brown KG et al. Oper Neurosurg (Hagerstown). 2022 Apr 1;22(4):255-260.*
3. Leksell's Posteroventral Pallidotomy 1992-2022: Quo Vadis? *Hariz M and Blomstedt P. Stereotact Funct Neurosurg. 2022 Apr 12:1-5.*

## COGNITION

1. Serendipitous Stimulation of Nucleus Basalis of Meynert-The Effect of Unintentional, Long-Term High-Frequency Stimulation on Cognition in Parkinson's Disease. *Bogdan ID et al. J Clin Med. 2022 Jan 11;11(2):337.*
2. A brain network for deep brain stimulation induced cognitive decline in Parkinson's disease. *Reich MM et al. Brain. 2022 May 24;145(4):1410-1421.*

## FUTURE OF DBS

1. Necessity and feasibility of remote tele-programming of deep brain stimulation systems in Parkinson's disease. *Esper CD et al. Parkinsonism Relat Disord. 2022 Mar;96:38-42.*
2. Where Are We with Deep Brain Stimulation? A Review of Scientific Publications and Ongoing Research. *Harmsen IE et al. Stereotact Funct Neurosurg. 2022;100(3):184-197.*

## ETHICS

1. Researchers' Ethical Concerns About Using Adaptive Deep Brain Stimulation for Enhancement. *Kostick-Quenet K et al. Front Hum Neurosci. 2022 Apr 14;16:813922.*

## WOMEN

1. Women in Neuromodulation: Innovative Contributions to Stereotactic and Functional Neurosurgery. *Heiden P et al. Front Hum Neurosci. 2022 Jan 20;15:756039.*

# Back to Life - 3<sup>rd</sup> Meeting of The MSSFN



*Professor Walid Abdel Ghani,  
President elect of the MSSFN*

The third meeting of the Middle-eastern Society for Stereotactic and Functional Neurosurgery (MSSFN) was held in Riyadh on the 26th & 27th of March 2022. Our society has a meeting every three years and this was the third meeting our society has had. The first and second meetings were in Dubai and Cairo, in 2016 and 2019 respectively. This time, the meeting came after a long period of quarantine due to the covid-19 pandemic. The meeting was held in conjunction with the 16th annual Saudi Arabia Neurosurgical Society (SANS) meeting. The meeting was held under the banner "Back to Life" as we all hoped that the bad era of the covid-19 pandemic is over. The city of Riyadh welcomed its guests with fantastic weather that we all enjoyed. Many international guests like Prof. Andres Lozano who received the SANS 2022 international award, Dr. Kita Diaz (Spain) and Professor Darko Chudy (Croatia) were among our guest speakers on the scientific program. This was in addition to our own MSSFN members who presented their latest research work and communicated to advance patient care, education, and research in our part of the world.

Lastly, the MSSFN general assembly elected Prof. Walid Abdel Ghany, Ain Shams University (Egypt) to be the president elect of the society. Walid will take the leadership of the society for 3 years starting in July 2022. He will assemble his team to take the society to a new level and promote its activities.

Ahmed Alkhani, MD, FRCS(C), IFAANS.  
President, MSSFN.  
President, the 16th annual SANS meeting 2022.



# Trends in Japanese Society Meetings



*Dr. Brian Hoh, the former president of the Congress of Neurological Surgeons, from the University of Florida and myself in Osaka, Japan. This picture was taken by Dr. Peter Nakaji from Arizona.*

## **Trends in Japanese Society Meetings and Announcement of the Asian-Australasian Society for Stereotactic and Functional Neurosurgery 2023**

Since the emergence of the coronavirus disease-2019 (COVID-19) pandemic, Japanese neurosurgical societies have sought methods to safely conduct meetings. The first challenge for the Japanese Society for Stereotactic and Functional Neurosurgery (JSSFN) was conducting their 60th meeting online in January 2021. With the decrease in COVID-19 cases, the pandemic subsided, so the 61st JSSFN meeting was conducted in a hybrid fashion at a conference center in Osaka with a virtual component in January 2022.

Most Japanese neurosurgeons have grown tired of online meetings, while some feel that the online platform made obtaining credits to maintain the board qualification more accessible and convenient. While in-person meetings are important to ensure adequate communication, the hybrid setting has increased attendance in meetings. Therefore, the Japanese Congress of Neurological Surgeons, one of the largest

neurosurgical societies in Japan, decided to continue the hybrid-style meeting for the next several years. The number of attendees was higher online than on-site. However, on-site meetings finally allowed international speakers to visit Japan.

The 13th Asian-Australasian Society for Stereotactic and Functional Neurosurgery meeting will take place in Osaka Japan on April 28th and 29th, 2023. This meeting will be hosted by Professor Haruhiko Kishima from the Department of Neurosurgery of Osaka University. A hybrid-style meeting will be conducted. Despite the limitations caused by the pandemic and international conflicts, the number of international on-site attendees will hopefully increase to make meetings more productive.

Takashi Morishita, M.D., Ph.D.  
Associate Professor of Department of Neurosurgery  
Fukuoka University Faculty of Medicine  
Fukuoka, Japan



*Osaka University Department of Neurosurgery.*



# Advances in Functional Neurosurgery



Jin Woo Chang



Kendall Lee



Russell Lonser



Mojgan Hodaie



Bradley J. Erikson



Shiro Horisawa

## Speakers

**Magnetic resonance imaging-guided gene therapy for the treatment of aromatic L-amino acid decarboxylase deficiency, *Russell Lonser, MD***

**Advanced structural brain imaging in functional neurosurgery, *Mojgan Hodaie, MD, FRCSC***

**Deep Learning in Neurosurgery, *Bradley J. Erikson, MD, PhD***

**Forel's field surgery for movement disorders and beyond, *Shiro Horisawa, MD***

TOTAL NUMBER OF REGISTRATIONS **352**





## Advances in Functional Neurosurgery



Jin Woo Chang



Paresh Doshi



Andres Lozano



Ozgur Onur



Bomin Sun



Henri Lorach

### Speakers

**MRgFUS BBBB for brain disorders, *Jin Woo Chang, MD, PhD***

**Examining fornix DBS for Alzheimer's disease, *Andres Lozano, MD PhD & Özgür Onur, MD***

**Role of radiofrequency lesioning in Functional Neurosurgery, *Paresh Doshi, M.S., M.Ch***

**Combined stimulation of BNST and NAc for refractory major depression, *Bomin Sun, MD, PhD***

**Brain-spine interfaces for motor restoration after spinal cord injury, *Henri Lorach, PhD***

TOTAL NUMBER OF REGISTRATIONS **379**



Professor Herbert Olivecrona (1891-1980) was an internationally renowned neurosurgeon, credited as being the father of modern neurosurgery in Sweden. He was Professor of Neurosurgery at Karolinska Institute from 1935 to 1960.

Almost every year since 1976, the Department of Clinical Neuroscience, Karolinska Institute, in collaboration with the Department of Neurosurgery, Karolinska University Hospital, honours an international neurosurgeon for his/her contributions to brain or spinal cord surgery and/or research. The award is often referred to as the 'Nobel Prize of neurosurgery'.

Professor Marwan Hariz received the award on the 3d of December 2021. He gave the Herbert Olivecrona Lecture on "Ethics and Serendipity in Functional Neurosurgery" during a symposium at the Karolinska University Hospital in Stockholm, Sweden.

# Deep Brain Stimulation • Spinal Cord Stimulation Cadaver & Programming Course



A successful “Deep Brain Stimulation and Spinal Cord Stimulation Cadaver and Programming Course” was conducted under the auspices of the WSSFN and directed by Dt Atilla Yilmaz (Associate Professor of Neurosurgery) with the scientific programme coordinated by Dr Aly Ibrahim (Lecturer, Department of Neurosurgery) in Istanbul, Turkey in May 2022. 73 delegates from 23 countries attended the course with the cadaver course being restricted to 45 participants. The course was fully booked and rated as very good and excellent by participants.

Attendees had the opportunity to use four different planning workstations and all the main Stereotactic frames currently in use worldwide on four cadavers. They received hands-on training from leading specialists such as Kim Burchiel, Kelly Foote, and Patric Blomstedt presenting a variety of approaches commonly used in Europe and the US.

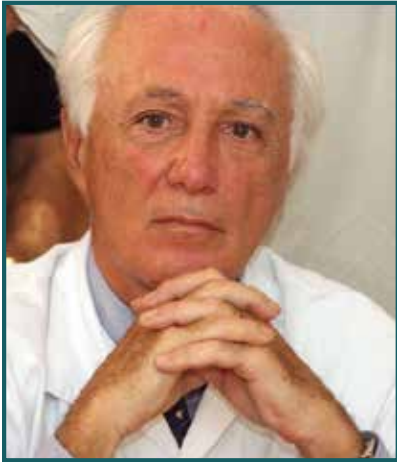
Professor Marwan Hariz presented his lecture sessions with online recorded presentations.

Our aim is to increase knowledge in the field of Functional Neurosurgery in Turkey and neighboring countries in the Middle East and North Africa. We would be delighted to invite you to our upcoming course in May 2023 (to be confirmed) with a focus on theoretical knowledge, peer to peer education, and hands on surgical participation.





# Obituary for Yves Lazorthes



Yves Lazorthes passed away on May 7, 2022. He was a gentleman devoted to neuroscience. The best portrayal of him is as a philosopher lent to the world of clinical practice and research on diseases of the CNS.

He was born on October 12, 1938. He spent his scientific career in Toulouse at the CHU of Rangueil, the hospital

founded and developed by his father, Professor Guy Lazorthes, where he acted as Chairman of the department of Neurosurgery, and Scientific Director, after his father's retirement. He became Dean of the Toulouse University afterwards.

His interests at the beginning of his career were in cerebrovascular circulation and metabolism, but his major interest quickly became in functional neurosurgery.

He proposed spinal cord neurostimulation for pain control and improvement of spasticity in France and in Europe, with a fruitful collaboration with his friend Jean Siegfried.

He supported the Y. Hosobuchi trial on DBS in the periventricular gray matter, and thalamic nuclei for pain control.

He had interests in DBS in the posterior hypothalamus for cluster headache, proposing and guiding a successful multicenter study in France, for which he received a WSSFN award.

In the clinical field, he introduced intrathecal administration of baclofen via a computerized pump for the control of spasticity. Moreover, he was deeply involved in Neurostimulation for OCD and other Psychiatric disorders.

He spent all his life in an environment of clinical research, running a training program for many young and not so young neurosurgeons visiting his department from France and abroad.

He was a marvelous father, always present for his children even as adults. In recent years, he had a marvelous and deeply sentimental relationship with Marie, with whom he spent time after his retirement in Toulouse, Spain and Marrakesh.

He was interested in exploring new and wild environments doing trekking. His last program was to pay a visit to Liguria in Italy for trekking in the Cinque Terre this year. "The gods, cutting out his life wires, canceled his program".

Yves was a fantastic, honest, and passionate friend for most neurosurgeons with which he became in contact for science, or just for friendship.

He was one of my best friends and he will remain forever in my, mind, heart, and soul.

Yves we will meet in the global energy that runs this world.

Ciao Yves

Contributed by Giovanni Broggi

# 10<sup>th</sup> ABCUR Joint Meeting

13-15 Oct., 2022

**2022 São Paulo Brazil**  
**10<sup>th</sup> ABCUR**  
**13 - 15<sup>th</sup> October**

**STEREOTACTIC & FUNCTIONAL NEUROSURGERY**  
**ABCUR - Joint Meeting - Argentina Brazil Chile Uruguay**  
**Welcomes colleagues from all Nations**

FUNCTIONAL NEUROANATOMY - MOVEMENT DISORDERS  
PAIN - PSYCHIATRY - SPASTICITY - ENHANCED REHAB  
EPILEPSY - RADIO SURGERY

<http://sciencelabepec.com/evento/10-congresso-abcur-brasil-2022>

## OFFICERS

### President

Jin Woo Chang, MD, PhD  
Seoul, Korea  
[jchang@yuhs.ac](mailto:jchang@yuhs.ac)

### Vice President

Konstantin Slavin, MD  
Chicago, IL, USA  
[kslavin@uic.edu](mailto:kslavin@uic.edu)

### Secretary

Jean Regis, MD  
Marseille Cedex, France  
[JeanMarie.REGIS@ap-hm.fr](mailto:JeanMarie.REGIS@ap-hm.fr)

### Vice Secretary

Mojgan Hodaie, MD, MSc, FRCS  
Toronto, Canada  
[Mojgan.Hodaie@uhn.ca](mailto:Mojgan.Hodaie@uhn.ca)

### Treasurer

Bomin Sun  
Shanghai, China  
[bomin\\_sun@163.com](mailto:bomin_sun@163.com)

### Past President

Michael Schulder, MD  
Lake Success, NY, USA  
[mschulder@northwell.edu](mailto:mschulder@northwell.edu)

### Board of Directors

B. Abdennebi	(Algeria)
A. Abosch	(USA)
F. Al-Otaibi	(S. Arabia)
R. Alterman	(USA)
T. Aziz	(UK)
J. Barcia	(Madrid)
J. Bloch	(Switzerland)
P. Blomstedt	(Sweden)
S. Chabardes	(France)
V. Coenen	(Germany)
Y. Comair	(Lebanon)
P. Doshi	(India)
E. Fonoff	(Brazil)
C. Hamani	(Canada)
C. Honey	(Canada)
S. Horisawa	(Japan)
B. Jonker	(Australia)
A. Machado	(USA)
P. Mertens	(France)
T. Morishita	(Japan)
J. Neimat	(USA)
B. Nuttin	(Belgium)
F. Piedimonte	(Argentina)
C. Pollo	(Switzerland)
A. Savas	(Turkey)
A. Sitnikov	(Russia)
I. Strauss	(Israel)
C. Torres	(Spain)
L. Zrinzo	(UK)

### Continental Vice-Presidents

A. G. Ferreira	ESSFN
A. Machado	ASSFN
A. Gupta	ISSFN
S.R. Jeon	KSSFN
A. Ghany	MSSFN
H. Hirabayashi	JSSFN
H.M. Benites	SLANFE
S. Zhang	Mainland Asia
T. Coyne	Oceania/Australia
N. Enslin	Sub-Saharan Africa
A. Sitnikov	Russia