



# WSSFN

## World Society for Stereotactic and Functional Neurosurgery

### NEWSLETTER

SPRING 2016



Joachim K. Krauss

## LETTER FROM THE PRESIDENT

Dear colleagues, dear friends,

With this newsletter I wish to keep you posted about the vibrant and most exciting WSSFN activities. Our society has been growing in so many different ways and aspects! With the encouragement and support from you – the dedicated experts all over the world – WSSFN is becoming a truly international society reflecting much more than globalization, namely multitude and diversity.

It is my distinct pleasure to let you know that the WSSFN mutual benefit plan I had developed when I became president in order to open membership to all colleagues involved in functional neurosurgery worldwide is gaining momentum. We are moving forward under full sail. Three regional societies have become affiliated recently with WSSFN. My cordial welcome goes to all the new WSSFN members coming from the Indian Society for Stereotactic and Functional Neurosurgery (ISSFN), the Korean Society for Stereotactic and Functional Neurosurgery (KSSFN) and the Japanese Society for Stereotactic and Functional Neurosurgery (JSSFN). Agreements have been signed with presidents Paresh Doshi (ISSFN) in December 2015, Jin Woo Chang (KSSFN) in January 2016, and Takamitsu Yamamoto (JSSFN) in February 2016.

The WSSFN Interim meeting which was held in September 2015 in Mumbai, India, was a great success. Congratulations to Paresh Doshi, the congress president and our local host, who organized this event along with the meeting of ISSFN. Big thanks also to VP Singh, past president of ISSFN, and to Mojgan Hodaie, who served as the scientific chair of the

meeting. Both prospects we had envisioned for this conference were managed perfectly – the first days were devoted to teaching and education with various workshops, while the presentations on the international day concentrated on new developments and cutting edge information. The warm and friendly ambiance of the congress made it a memorable and special event! Please, read the articles in this newsletter. Note, that this was also a congress in transition since the WSSFN leadership decided to move to biannual WSSFN congresses from 2017 on.

The label "Under the auspices of WSSFN" has become a most appreciated brand. We could help to advertise and support several international and regional meetings thereby. A special event was the founding meeting of the newly inaugurated Middle East Society for Stereotactic and Functional Neurosurgery in January, 2016, in Dubai. Ahmed Alkhani who became elected first president of MSSFN managed to bring together colleagues from the Middle East and many other countries for a most pleasant and fruitful event with superb lectures. Read more about this conference in this issue! Other events that will be under the auspices of WSSFN and that you should not miss are: the 10th Scientific Meeting of the Asian Australasian Society for Stereotactic and Functional Neurosurgery in March 2016 in Cairns, Australia, the Noble Art of Lesioning course in April 2016 in London, UK, and the 3rd Congress on Treatment of Dystonia in May 2016 in Hannover, Germany.

The committees of the society have been working busily. I would like to thank, in particular, Bart Nuttin who has been leading so efficiently the Committee for Psychiatric Neurosurgery for several years. The "Consensus on guidelines for stereotactic neurosurgery for psychiatric disorders" published in the Journal of Neurology, Neurosurgery and

*continued, pg. 2*



Erich Richter

## FROM THE EDITOR

Welcome to the Spring 2016 newsletter. As you will see, the society is in an exciting phase of growth as the ISSFN, JSSFN, and KSSFN have all partnered with the WSSFN. A wide range of meetings around the world are developing under the auspices of the society, and the committees and work groups are hard at work on consensus statements and strategic guidelines to drive our specialty forward.

In this issue, you will find two reflections on the fantastically successful Mumbai interim meeting, from its leaders, Paresh Doshi and Mojgan Hodaie, as well as conclusive evidence presented by Dr. Blomstedt that stereotactic functional neurosurgery is the crown of all sciences. As always there is a look ahead at several of the upcoming meetings. I hope you enjoy.

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WSSFN Spring 2016

### Letter From The President, continued from pg. 1

Psychiatry has now been translated into Japanese, Chinese and Spanish. Another important development is the planning of a registry together with Keith Matthews, from Dundee, UK. The Committee on Scientific Research headed by Andres Lozano is working on the project Unmet Needs of Functional Neurosurgery to produce a manuscript on several burning topics with a high priority on research. Furthermore, in addition to the Ohye and the Tsubokawa award WSSFN will establish two smaller research grants providing "start-up" money.

In response to the growth of the society we are currently working on a revision of the by-laws to implement several future changes such as shorter commitments for leadership terms, streamlining membership application and making other adjustments. WSSFN once was founded as a club of friends, everyone knew each other – we want to preserve that special atmosphere and at the same time we want to be open for future developments in the growing community of peers supporting each other worldwide.



Paresh Doshi

## WSSFN INTERIM MEETING

### WSSFN interim meeting 2015

It was a pleasure and privilege to host the above meeting. The decision to host the meeting was taken at the WSSFN 2013 meeting in Tokyo. Preparation of the meeting got underway immediately. A core action group was convened during this meeting. This group included, Joachim Krauss, Michael Schuler, Konstantin Slavin, Jin Woo

Chang, Osvaldo Vilela Filho, Mojgan Hodaie, Joseph Niemat, and myself. Mojgan agreed to look after the scientific program. By September, 2013 we finalized the meeting date that would suit most of the faculties. The scientific committee was expanded to include, Ashwin Viswanathan and Ludvic Zrinzo. The first faculty invites were sent in April 14th and most of the faculty confirmed their participation by June 14th. Jaslok hospital was one of the first one to commit to the platinum level of sponsorship and in next few months the major sponsors had committed to the funding.

We had decided that the purpose of this meeting was to initiate neurosurgeons into functional neurosurgery. Hence the format consisted of two days of workshop, a single day of international conference and one day of Indian Society for Stereotactic and Functional Neurosurgery meeting. More details about the workshop and scientific contents will be shared by Dr. Hodaie.

We decided to bring several innovations during this meeting. One of them was an interactive application for interacting with the presenters. This was provided by 2shoes app. Using this app one can check the profile of the presenter and post questions. This app would also enable to obtain feedback. Another innovative technology used was eposter. Eposter live was contracted to offer a platform for displaying posters without losing the resolution. The pictures and the tables can be zoomed in without causing pixilation or distortion. There were several awards and travel grants distributed for this meeting.

We worked hard on the cultural events also. On 3rd September we had a faculty dinner at an exclusive restaurant in Mumbai and on 4th Septem-

ber, we had an inaugural ceremony with dance performances from various parts of India and a sit down dinner. On 5th September we had an interactive drum troupe performing, which involved each and every member of the audience in playing their personal drums and as it is a human nature, everyone enjoyed "beating their own drum." There was engaging spouse program from offering Indian tattoo (Mehndi) to draping sarees, which were eventually gifted to the ladies.

Time again to mark your calendars! The 17th quadrennial WSSFN congress will be held in Berlin, Germany, from June 26 – 29, 2017! This is the most pleasant time in the most cosmopolitan city of Germany in the heart of Europe. There will be several new features. The general motto of the meeting is "Emerging Techniques and Indications", but we will also focus on the rich history of our superspecialty. I am inviting you all and I am looking forward to see you there,

Joachim K. Krauss,  
Hannover, Germany  
President WSSFN

The exhibitors were given a very special deal. There were only limited exhibitors, thus enhancing their value. Some of the premium sponsors were given extra room and some other created a beautiful hospitality lounge, enabling them to interact with the delegates and faculty in private. Each one expressed their satisfaction and complimented the arrangement. The conference had a participation of 427 delegates (including 98 faculty) from around 40 countries. Most of the lectures were well attended and highly appreciated. There were around 15 sponsors (exhibitors). More than 3000 emails were exchanged, 18 conference calls were done for planning amongst the board members with a collective time of 306 days spent by all the committee members for the preparation of this meeting. Melody Dian was unable to attend the meeting, but she worked untiringly and at odd hours to ensure a smooth progress of the meeting and I am personally thankful to her.

I would like to take this opportunity to express my personal thanks to all the board members, my country ambassadors, WSSFN at large, ISSFN and its leadership and all the delegates and exhibitors who helped to make this meeting a memorable one.

Prof. Paresh K. Doshi  
Director of Neurosurgery  
Director Stereotactic and Functional Neurosurgical program  
Director, World Society for Stereotactic and Functional Neurosurgery  
Executive member, Asian Australasian Society for Stereotactic and Functional Neurosurgery  
President, Indian Society for Stereotactic and Functional Neurosurgery  
Mumbai, India







Mojgan Hodaie

## WSSFN INTERIM MEETING

The Interim meeting of the World Society of Stereotactic and Functional Neurosurgery took place in Mumbai, India in September 2015. This meeting had a special focus on education and training. The three day meeting was specifically designed to contain two days of workshops followed by one international day. The final day of the meeting was concurrent with the Indian Society of Stereotactic and Functional Neurosurgery

(ISSFN).

Each of the workshop days were composed of multiple parallel sessions, where national and international faculty shared their expertise, case management and clinical and scientific fundamentals of their areas. Workshops topics included 'Stereotaxy and Neuronavigation', 'Epilepsy Surgery', 'Treatment of Chronic Pain', 'Radiosurgery', 'Lesional Surgery', 'Setting up a Research Program', 'Advanced Stereotaxy and Imaging', 'Neuromodulation', 'Spasticity' and 'Intraoperative Physiology'. The International Day permitted the audience to be updated on the latest advances and hear from experts in the field. Altogether, nearly one hundred faculty participated in the Interim Meeting scientific program.

One of the highlights of the International day was the varied research presentations of abstracts submitted internationally. Over 140 abstracts from a total of 21 countries were received. Presentations included oral, flash and poster presentations. These were wide ranging and included basic and clinical sciences in areas such as electrophysiology, imaging, brain connectivity studies and human and animal studies.

The WSSFN, in partnership with Jaslok hospitals and Medtronic Canada provided a number of travel awards to facilitate the attendance of residents and fellows. Altogether 18 travel awards were provided, with additional oral presentation awards to the best presentations in clinical and basic sciences. The latter were chosen by a team of judges during the meeting itself, and

were ranked based on the quality of the research and scientific impact.

An important aspect of the meeting was the great atmosphere of scientific interaction between the faculty and the audience. This was generated in large part by the comfortable conference facilities at the Interncontinental Hotel in Mumbai. The desire to delve deeper into our subspecialty field brought everyone together and sparked many conversations. No doubt this will serve as the impetus for new research ideas and applications.

We are extremely fortunate to be part of a neurosurgical subspecialty that has such widespread reach. The need for functional neurosurgery is great worldwide. Increasing our presence by bringing our unique skills to a greater audience will directly translate into greater benefit for our societies, where current surgical treatment is limited.

As Chair of the scientific committee, I was extremely fortunate to work closely with friends and colleagues putting the program together. Our goal was to create an engaging program that delivered both novel developments and reiterated the fundamentals of our specialty. We diligently merged topics that would attract those who wish to introduce the specialty in their institution, and those who have a long track record and are ready to share their latest research findings. The success of the meeting tells us that we achieved our objective. I wish to acknowledge and thank all my colleagues, with a special thank you to Joseph Neimat and Paresh Doshi. The expertise and advice of Joachim Krauss, President of WSSFN, Michael Schulner, Vice President of WSSFN and Takaomi Taira, Past President of WSSFN were invaluable. The members of the scientific committee also included Konstantin Slavin, Jin Woo Chang, Osvaldo Vilela Filo, Ashwin Viswanathan and Ludvic Zrinzo, all of which greatly contributed to the success of the program. It was a true pleasure to participate in the organization of this meeting, and we are all eagerly looking forward to the next chapter, the 17th Quadrennial meeting of the WSSFN, Berlin 2017.

Mojgan Hodaie, MD  
Scientific Program Chairman



Nico Enslin

## LAUNCH OF DBS PROGRAM

The Division of Neurosurgery at the University of Cape Town (UCT) is happy to report the successful launch of a DBS program for children at the Red Cross War Memorial Children's Hospital. The first 3 cases of bilateral GPi DBS implantation were performed in September and early December 2015. The first patient was a 10 year old boy with primary generalised dystonia who presented in status dystonicus following a minor infection,

while the next two were 12-year-old girls with DYT1 positive primary generalised dystonia. These were the first children with dystonia treated with deep brain stimulation via Image guided verification in Africa.

The groundwork for these cases was laid in assisting Dr Roger Melvill with DBS surgery and attending the excellent Young Neurosurgeon Training Program of Medtronic, as well as visits to Montpellier, Amsterdam and London made possible in part through the WSSFN 2011 fund. The first case was a 10 year old boy who presented as an emergency in status dystonicus and his rapid deterioration meant our hand was forced into doing bilateral GPi DBS- although it took 32 days to convince the hospital administration!

Prof Marwan Hariz and Dr Ludvic Zrinzo from the Victor Horsley Functional Unit at Queen Square Hospital in London, kindly visited Cape Town (a tough assignment in

December!) and lent their support to the DBS procedures of the last 2 patients. Dr Laura Cif from Montpellier was also kind enough to join us for these cases and added valuable insight into the programming following implantation. The surgical procedures went smoothly and at 2-3 months after the surgery all the patients show dramatic and ongoing functional recovery.

The week ended with our departmental annual ABC meeting- a weekend spent thinking about deep brain stimulation anatomy, biology and clinical science under the title "Base of Brain Surgery". This meeting coincided with the first ever IBRO-UCT Advanced African School on Epilepsy, enabling 20 neurologists and neuroscientists from 10 other African countries to be inspired by current thinking around movement disorders.

It is with great appreciation that I would like to express my sincere thanks Prof Hariz, Dr Zrinzo and Dr Cif who took time out of their busy work schedules and away from their loved ones to support us in this venture- it is humbling to have colleagues like this willing to make their expertise available to patients around the world. Without well-managed support from donors such

as the Children's Hospital Trust and industry partners such as Medtronic, life-changing therapies like DBS for patient's in developing countries would not be possible. I would like to thank the staff and management of Medtronic's neuromodulation unit at the Africa and Middle East branch who helped make this happen against the beautiful backdrop of Table Mountain.



## THE RENAISSANCE MAN AND STEREOTACTIC FUNCTIONAL NEUROSURGERY

Each year the Swedish foreign office invites the foreign ambassadors residing in Sweden on an educational journey. This time the ambassadors were invited to visit the county of Västerbotten, the home of the University Hospital of Northern Sweden in Umeå, a tertiary referral centre serving an area the size of Great Britain but with less than 900 000 inhabitants.

In order to present the ambassadors with the knowledge which might be of most importance and interest to them, as well as being representative of the region, it was decided to update them on the latest development in the wood industry, the procedure behind the manufacturing of the local cheese, and on .... stereotactic functional neurosurgery.

My predecessors in Umeå, Lauri Laitinen and Marwan Hariz are not unknown in the world of stereotactic functional neurosurgery, but when invited to present this topic for the ambassadors, I hesitated and wondered if this could really be considered as essential for members of the diplomatic corps. However, after some contemplation I had a revelation which I shared with the ambassadors and which I would like to share also with the members of the WSSFN.

In 1533 Hans Holbein the younger finished a painting known as the ambassadors (Figure 1). The person to the left on this painting is probably Jean de Dinteville, Seigneur of Polisy, the French ambassador at the court of the English king Henry VIII.

The use of meticulous details, mainly of a symbolic nature, was typical for Holbein. As seen in the figure, the two men in the painting are surrounded by a number of objects, mainly of scientific or artistic nature. These have been interpreted as representing the Renaissance man, the polymath embracing all fields of knowledge, and hence presenting the ambassadors as men of world with a knowledge equivalent to their position. At a deeper level, various interpretations have been suggested, to which I would like to add a new one.

Among the different objects on the painting we notice the following: a book on arithmetic by Peter Apianus, well known for his works in mathematics, astronomy and cartography/navigation; a quadrant for the measurements of angles, a torquetum, an astronomical instrument designed to take and convert measurements made in three sets of coordinates. Further, the universal equinoctial dial and the different globes might be of some relevance. However, the crucial component here is the anamorphic skull, which has to be viewed from the side to be seen in the correct anatomical projection. It has often been interpreted as a memento mori, or just as a show off, regarding the painter's technical skill. We must, however, here take into consideration also the connection of Holbein with surgery, demonstrated in

his well-known painting of Henry VIII and the barber surgeons.

Thus, for a stereotactic functional neurosurgeon the interpretation is now obvious. The book by Apianus in combination with the instruments for the measurements of angles and coordinates in three different planes together with the prominent placement of the skull cannot be interpreted in any other way than that stereotactic functional neurosurgery is the crown of all sciences and of utmost importance for a Renaissance man, including for an ambassador.

The ambassadors did not seem completely convinced, but I hope that the members of the WSSFN will have more faith in this conclusion

Professor Patric Blomstedt, MD, PhD  
Consultant Neurosurgeon  
Head of the Unit of Stereotactic Functional Neurosurgery  
Department of Clinical Neurosciences  
Umeå University Hospital  
Umeå, Sweden



Figure 1. The Ambassadors. Details on the right, in descending order: a book on arithmetic by Peter Apianus; a quadrant for the measurements of angles, a torquetum for measurements in three sets of coordinates, and the anamorphic skull seen in the correct anatomical projection.

## CONGRATULATIONS TO ALL THE WSSFN AWARD WINNERS WSSFN INTERIM MEETING TRAVEL AWARDS

- Dr. Diellor Basah – Canada (Medtronic Grant)
- Dr. Sofiene Bouali – Tunisia
- Dr. Jitender Chaturvedi – India
- Dr. Cameron Alistair Elliott – Canada
- Dr. Anders Fyttagoridis – Australia
- Dr. Akshay Ashok Gupte – United States
- Dr. Na Young Jung – Korea, South
- Dr. Daehwan Kim – Korea, South
- Dr. Moo Seong Kim – Korea, South

- Dr. Vibhor Krishna – United States
- Dr. Seunghoon Lee – Korea, South
- Dr. Naoufel Ouerchefani – France
- Dr. Nishanth Sampath – India
- Dr. Seong-Cheol Park – Korea, South
- Dr. Joshua Rory Pepper – United Kingdom
- Dr. Manish Ranjan – Canada (Medtronic Grant)
- Dr. Michelle Rizzi – Italy
- Dr. Andreas Wloch – Germany

## WSSFN INTERIM ABSTRACT AWARD WINNERS

- Dr. Nader Pouratian: Best Basic Science Oral Presentation - *Effect of Propofol on pallidocortical circuits and cortical phase-amplitude coupling*
- Dr. Keith Matthews: Best Clinical Poster Presentation - *Anterior cingulotomy for major depression does not impair Stroop task performance, but depression severity does.*

- Dr. Ann-Kathryn Beck: Best Basic Science Poster Presentation – *Electrophysiological correlates of auditory change detection: A simultaneous depth and scalp EEG study.*

A special thanks to Karger Publishers for providing awards.



## NOBLE ART OF LESIONING COURSE 2016 IN LONDON

Dear colleagues,

We are pleased to announce that the third "Noble Art of Lesioning" course will be held at Queen Square, London on April 14-16, 2016.

Some years ago, Drs. Regis, Taira, Cosgrove and Hariz took the initiative to launch a course dedicated to teaching stereotactic lesional procedures for movement and mental health disorders. This course fills a great void since, in this era of widespread DBS, the science and art of performing stereotactic lesions are at risk; many younger functional neurosurgeons have not been exposed to these procedures and few have received formal training in performing stereotactic lesions.

We remain convinced that stereotactic lesional procedures are an important part of the functional neurosurgeon's armamentarium, and there is indeed a vast historical documentary evidence supporting these procedures.

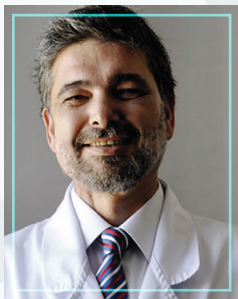
The first "Noble Art of Lesioning" course was held in October 2013 and

hosted by Prof. Jean Régis in Marseille. The second course was hosted by Prof. Takaomi Taira in Tokyo in November 2014. Now, we invite you to join us in London for the third event in April 2016.

This course enjoys only limited support from industry since lesional surgery does not require expensive consumables. Nevertheless, course fees are stratified according to delegate age (cut-off 40 years) and country of origin (high income or low income), ensuring that it hopefully will remain financially accessible to all interested parties.

Since this course contains important "hands-on" sessions, the number of delegates will be limited to maximum 50. Program and registration details, can be found on the web link at <https://www.uclhcharitycourses.com/courses/neurosurgery>

Kind regards,  
Prof. Marwan Hariz, on behalf of the faculty



Juan Barcia

## ESSFN 2016 IN MADRID

"We are pleased to announce the XXIIInd Congress of the European Society for Stereotactic and Functional Neurosurgery (ESSFN 2016) which will be held between 28th September – 1st October, 2016 at the Melia Castilla Hotel in Madrid, Spain.

The Scientific Committee will take great care in preparing a high quality and diverse program that will include the latest developments and ideas in basic science and surgery. The Organizing Committee will also try to put together an unforgettable social program during the congress. We believe that the ESSFN 2016 congress will be an excellent

opportunity for academic and scientific exchange among the specialists who work in the field of functional neurosurgery from all around the world.

Madrid is the capital of Spain, the political and financial centre of the country and offers a considerable range of leisure and cultural activities. The Melia Castilla is considered one of the most emblematic hotels in Madrid, with an appealing blend of perfectly balanced classic and contemporary styles, where peace and urban life are accomplices to delight its guests. This hotel provides one of the largest and most advanced Convention and Congress Centres in Europe. Its privileged location provides guests with a quick and easy access by public transport or just a pleasant walk to the city's major attractions, cultural centres and shopping and business areas.

We look forward to seeing you in Madrid.

Yours sincerely,  
Pr Juan Barcia



# THE FIRST MIDDLE-EASTERN CONFERENCE FOR STEREOTACTIC AND FUNCTIONAL NEUROSURGERY



Under the auspices of WSSFN

**1st Middle Eastern Conference for Stereotactic & Functional Neurosurgery**

**16th, 17th & 18th January 2016**  
Jumeirah Emirates Towers  
Dubai, United Arab Emirates

Organized by: Middle Eastern Stereotactic & Functional Neurosurgical Society

In association with: PAN Arab Neurosurgical Society, Gulf Neurosurgical Society

For more information:  
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web: www.msfn.org  
contact person: Ahmed Alkhani, MD

Under the auspices of the World Society for Stereotactic and Functional Neurosurgery (WSSFN), and in collaboration with the main local societies, The Pan Arab Neurosurgical Societies (PANS) and the Gulf Neurosurgical Society (GNS), the 1st Middle Eastern Conference for Stereotactic and Functional Neurosurgery was held in Dubai between 16th and 18th January 2016. The theme of the event was "Bridging the World Together".

The meeting was attended by more than 100 delegates, who attended exceptional presentations from the world leaders in the field. In addition, local expertises were able to present their work, showing their experience and discussing difficulties, opportunities and challenges.

During the meeting, the Middle Eastern Stereotactic and Functional Neurosurgery Society was founded, hoping to promote this field of neurosurgery that is still new to this part of the world. Representatives from the region showed their enthusiasm to push this newly born society founded for the benefits of the practice standards, patient's safety, and practitioners development. Dr. Ahmed Alkhani was nominated as the president of the society, with a plan to reconvene in 2 years' time, the location will be announce in fall 2016.

Ahmed Alkhani, MD, FRCSC, FAANS  
President, the 1st Middle-Eastern Conference for Stereotactic and Functional Neurosurgery  
Associate Professor, Al Faisal University  
Consultant Neurosurgeon, PMAH, KFSHRC, SHC  
Riyadh, Saudi Arabia

## WE NEED YOUR OLD FRAMES!!

The Neurosurgical Aid Organization is supported by the WSSFN and aims to provide stereotactic frames and the training in how to use them to neurosurgical centres that cannot otherwise afford this equipment. The web site [neurosurgicalaid.org](http://neurosurgicalaid.org) serves as a nidus where our colleagues can i) request a frame, ii) donate a frame, or iii) volunteer to teach a centre how to use a frame.

Right now we have multiple requests for a frame (e.g. Nepal, Nigeria, Kurdistan...) and multiple offers to help teach how to use a frame. What we need are frames. Our centre offers the opportunity to inspect and test the frames

and 'disconnect' the donor from the recipient so that the recipient receives the frame from an anonymous donor (eliminating liability issues).

I hope you will consider dusting off your old frames and sending us a note so we can organize shipping.

Chris Honey  
Professor of Neurosurgery  
Vancouver, Canada



## ONE TRIBE OF SFN LEADERSHIP DANCES AS FAMILY IN MUMBAI



## 10TH AASSFN TO BE HELD IN AUSTRALIA IN 2016

If you need an escape from the northern hemisphere winter, and fancy a high quality educational meeting in an ocean side tropical paradise, it's not too late to register and attend the 10th Asian Australasian Society for Stereotactic and Functional neurosurgery in Cairns, Australia from 3-5 March 2016. Take advantage of the opportunity to visit the Great Barrier Reef, one of the natural wonders of the world, and one of the last remaining pristine

tropical rainforests. Hear from esteemed speakers such as current and past WSSFN presidents Joachim Krauss and Andres Lozano, while enjoying a beautiful relaxed setting and Australian hospitality. Visit the website for further details.

Terry Coyne, Meeting President



# AASSFN 2016

3 - 5 March 2016  
Shangri-La Hotel, Cairns, Australia

The 10th Scientific Meeting for the Asian Australasian Society of  
Stereotactic and Functional Neurosurgery

Abstract Submission and Registrations Open Now  
Abstract Submissions Close - Thurs 31 Dec 2015  
Registration Early Bird Deadline - Thurs 31 Dec 2015  
[www.aassfn2016.com](http://www.aassfn2016.com)

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WSSFN Spring 2016 7





Yves Keravel

## IN MEMORIAM: PR. YVES KERAVAL

This special issue of the Newsletter of the World Society for Stereotactic and Functional Neurosurgery is the best possible journal to pay homage to Pr. Yves Keravel who passed away the December 3rd 2015. He was 71 years old when his sudden loss devastated the whole neurosurgical community and number of neurosurgeons from the entire world expressed their sadness and compassion to his family and friends.

Born in Neuilly-sur-Seine, France, March 1, 1944, Pr. Yves Keravel graduated from Paris University Medical School and completed his residency and a neurosurgical fellowship at Paris Hospital.

In his academic years, Pr. Yves Keravel worked at Henri Mondor Hospital, Paris University as a head of the neurosurgical department for 20 years, pioneering pain and movement disorder neurosurgery. He was one of the fervent supporters of biotherapies for movement disorders that include cell and gene therapies and developed, through preclinical and clinical studies, electrical cortical stimulation to relieve neuropathic pain and abnormal movements. With Pr. Yves Keravel, the neurosurgical department became an international leader in the field of pain and movement disorders neurosurgical treatment. He has been a key executive member of numerous national and international neurosurgical societies such as the "Société de Neurochirurgie de Langue Française" (SNLF), "International Neuromodulation Society" (INS) or Honorary President of the "World federation of neurosurgical society" (WFNS).

We remember a delightful man, brave, strong, combative, determined, ready to face all neurosurgical and scientific challenges. Yves was passionate about translational neuroscience as well as clinical medicine. He believed strongly that teaching was important and his students, and fellow neurosurgeons benefited greatly from his medical knowledge and neurosurgical guidance. Yves was not only expertly skilled at the operating theatre but also extremely compassionate to his patients at the bedside.

Beside his ability to work hard every day, he took also time to travel the world, not only for his passion for photography, but also to meet people and extend his friend's network.

Yves is survived by his two children: Olivier and Thomas. He also survived by his partner in love and life, Françoise Keravel, who did not only fill his heart with joy but forested his great love of life, his passion for travel around the globe, his love for great food and good wine, his affection for la Trinité-sur-Mer in Bretagne, from the day they met until his final days.

During the past year, he was able to spend quality time with, and get a great joy from, his grandchildren, Valentin, Barthélémy and Maylis who by the way would like, as him, to be a famous neurosurgeon.

Professor Stéphane PALFI  
Head of the Neurosurgical Department  
Research Team Head: Neurosurgical Biotherapies  
Henri Mondor Hospital  
Paris University UPEC  
Créteil, France

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## World Society for Stereotactic and Functional Neurosurgery BERLIN . GERMANY



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### Quadrennial Meeting

[www.wssfn.org](http://www.wssfn.org)  
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## DYSTONIA WEBSITE & MEETING INFO

Announcing that the Third International Congress on Treatment of Dystonia web site is open. The meeting is being held in Hannover, Germany, May 4-7, 2016. Abstract submission and registration information can be found by going to the web site at:

[www.treatment-of-dystonia.org](http://www.treatment-of-dystonia.org)

The meeting is being held under the auspices of the World Society for Stereotactic and Functional Neurosurgery. We encourage you to visit the web site and consider attending this important meeting!

### 3<sup>RD</sup> INTERNATIONAL CONGRESS ON TREATMENT OF DYSTONIA

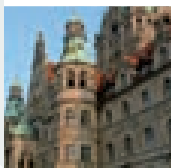
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1<sup>ST</sup> INTERNATIONAL CONFERENCE  
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and Call  
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Hannover Congress Centrum

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