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EUROPEAN SOCIETY FOR STEREOTACTIC AND FUNCTIONAL NEUROSURGERY

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Previous meetings

Edinburgh 1972 - Madrid 1975 - Freiburg 1977 - Paris 1979 - Zürich 1981
Rome 1983 - Birmingham 1986 - Budapest 1988 - Narbella 1990 - Stockholm 1992
Antalaya 1994 - Milan 1996 - Freiburg 1998 - London 2000 - Toulouse 2002
Vienna 2004

WELCOME TO THE 2006 ESSFN CONGRESS IN MONTREUX, SWITZERLAND

Ladies and gentlemen,

Dear colleagues and friends,

Stereotactic and functional neurosurgery has greatly expanded over the past two decades, in parallel to technological development. New indications are surfacing regularly and this subspecialty which contributes enormously to human well being is growing fast.

*The XVIIth Congress of the **European Society for Stereotactic and Functional Neurosurgery** which takes place in Montreux, Switzerland, from October 4th to 7th, 2006, will focus on involuntary movement disorders, epilepsy, pain, tumors, psychiatric disorders, imaging, physiology, radio-surgery, stereotaxy.*

The Montreux meeting who will gather neurosurgeons, neurologists, basic scientists engaged in the treatment of the above pathologies, will serve as a major checkpoint in defining the current status of functional and stereotactic neurosurgery, as well as its future directions.

We thank all those who have submitted abstracts to present at the meeting. Your participation will contribute to make the meeting a success. The Scientific Committee has elaborated a very high quality program which will cover all aspects of functional and stereotactic neurosurgery and bring the meeting's attendants to the forefront of this speciality.

Of course, this season offers in Switzerland, magnificent time to enjoy the country and its specific features, i.e. mountains, vineyards, lake ; Montreux is specially well located for all these.

We look forward to a great meeting in a pleasant environment.

Yours truly

Jean-Guy Villemure
Chairman, ESSFN 2006

Organizing Committee

Jocelyne Bloch
Damien Debatisse
Claudio Pollo
Etienne Pralong
Marie-Hélène Tétreault
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PROGRAM OUTLINE (1)

Wednesday oct 4		Thursday oct 5	Friday oct 6	Saturday oct 7
AM	Exhibits preparation	8:30 Plenary I Opening ceremony (40 minutes) local organizer ESSFN President Orbituary: L Laitinen Invited speaker (35 minutes) Cellular therapy Invited speaker (35 minutes) Anatomical substrate of psychiatry ESSFN Research grant report (10 min)	Plenary II Invited speaker (35 min) Diffusion tensor Invited speaker (35 min) Radiobiology-radiosug Invited speaker (35 min) DBS- excitat vs inhibit	Parallel sessions S1A S1B Psychiatry Movement disorders III
WORKSHOPS 13 : 00 - 18 : 00		10:30 Break 11:00 Parallel sessions Pain I Transplantation 12:30 Lunch Executive Cte Lunch	Break Parallel sessions Pain II Movement disorders II Lunch WSSFN Lunch	Plenary III Invited speaker Status of clinical trials (30 min) Closing ceremony
Room A	Room B	Room C		
DBS present and future	FACIAL PAIN (2 hrs) Epilepsy-HOW I DO IT (2 hrs)	MICRO RECORDING (2 hrs) Radiosurgery (2 hrs)		
18: 30 Welcome reception				
		13:30 Parallel sessions 14:00 Movement disorders I Epilepsy I Oral Posters I 16:00 Break 16:30 Parallel sessions Navigation-Imaging Neurophysiology-Spasticity Oral Posters II (19:00) Visit Château de Chillon	General Assembly Epilepsy II Radiosurgery Oral Posters III Break Tumor Oral Posters IV	Gala dinner- On the lake (19 : 00)

Wednesday October 4 2006
WORKSHOPS

	Room A	Room B	Room C
13h30	<p>DEEP BRAIN STIMULATION: ADVANCES IN THE PROCEDURE AND NEW INDICATIONS</p> <p>Chair: Prof Stig L. Reihncrona (Lund, Sweden)</p> <p>Welcome Remarks and Historical Perspectives</p> <p>Part I Advances in the DBS implant procedure</p> <p>Achieving a surgical Standard of Care in DBS for PD</p> <p>Neuronavigation and Stereotaxy : Is it an Elther/Or questio</p>	<p>FACIAL PAIN</p> <p>Chair : G Broggi (Milan, Italy)</p> <p>1.Trigeminal neuralgia :</p> <p>a) microvascular decompression- M Sindou (Lyon, France)</p> <p>b) percutaneous procedures : Y Karpapat (Ankara, Turkey)</p> <p>c) radiosurgery: M.Levylier (Brussels, Belgium)</p> <p>2. Motor cortex stimulation :</p> <p>V Tromner (Lubeck, Germany)</p> <p>3 Cluster headache :</p> <p>A Franzini (Milan, Italy)</p> <p>4. Round table</p>	<p>MICROELECTRODE RECORDING</p> <p>Chair : Prof Joachim K Krauss (Hannover, germany)</p> <p>Equipment</p> <p>1. Alpha-Omega : M Egidi (Milan, Italy)</p> <p>2. Medtronic: F Gielen (Maastricht, Netherlands)</p> <p>3. Inomed : A Hoch (Teningen, Germany))</p> <p>Cellular pattern - sound and shape :</p> <p>Dr E Pralong (Lausanne, Switzerland)</p> <p>Findings according to pathologies and targets</p> <p>1. Parkinson : R Schuurman (Amsterdam, Netherlands)</p> <p>2. Dystonia : E Pralong (Lausanne, Switzerland)</p> <p>3. What we have learned about movement disorders with microelectrode recording - A Lozano (Toronto, Canada)</p>
15h30	<p>Break</p>		
16h00	<p>Part II : Frontiers of DBS : Near of Far</p> <p>Update on the Use of DBS in Epilepsy : Target Patient Population and Target Stimulation Sites</p> <p>Update on the Use of DBS for Psychiatric Conditions</p>	<p>EPILEPSY SURGERY : When and How I do it</p> <p>Chair: Dr C Mascott (Dublin, Ireland)</p> <p>1. subdural grids : PA Winkler (Munich, Germany)</p> <p>2. intracerebral electrodes : Marc Guenot (Lyon, France)</p> <p>3. vagal nerve stimulation : P Boon (Gent, Belgium)</p> <p>4. anterior temporal lobectomy : G Lo Russo (Milan, Italy)</p> <p>5. amygdalo-hippocampal strimulation : Dirk Van Roost (Gent, Belgium)</p> <p>6. disconnection techniques : O Delalande (Paris, France)</p>	<p>RADIOSURGERY</p> <p>Chair: R Liszack</p> <p>1. para-sellar lesions A AF De Salles (Los Angeles, USA)</p> <p>2. arteriovenous malformation S Blond (Lille, France)</p> <p>3. acoustic neuroma J Regis (Marseille, France)</p> <p>4. spinal radiosurgery G Broggi (Milan, Italy)</p>

THURSDAY Oct 5

Plenary I – Miles Davis (Room A)

8H30

OPENING CEREMONY

Chair : DA Bosch

DA Bosch, President ESSFN
JG Villemure, Congress Chairman

Orbituary Lauri V Laitinen – M Hariz

Guests' lectures

"Gene therapy for neurodegenerative diseases: hopes and pitfalls"
Prof Patrick Aebischer (Lausanne, Switzerland)

"Hypothesis guided approaches in DBS for psychiatric disorders"
Prof TE Schlaepfer (Bonn, Germany)

ESSFN Research grant report - Dr C Pollo (10 min)

10H30 PAUSE (EXHIBIT HALL)

11H00 PARALLEL SESSIONS 1

T1A

PAIN I

Chair : M Sindou, B Linderholt

- T1A1. Motor cortex stimulation for pain relief: personal experience
Cioni B, Daini S, Meglio M, D'angelo L, Di Muro L, Sturiale C (Rome, IT)
- T1A2. MEPs to identify the optimal cathode position in MCS
J. Holsheimer, J.P. Nguyen, J.P. Lefaucheur, Lj. Manola (Enschede, NL)
- T1A3. Efficacy of Motor Cortex Stimulation in the Treatment of Deafferentation Pain.
A Double Blind Randomized trial
JD Carillo-Ruiz, F Velasco, C Arguelles, G Castro (Mexico, MX)
- T1A4. Spinal cord stimulation (SCS) for neuropathic pain (NP).
Indications based on somato-sensory evoked potentials (SSEPs)
Sindou M, Mertens P. Polo G, Naous H, Mauguière F. (Lyon, FR)
- T1A5. Assessment of the spinal cord stimulation about 106 cases along 12 years in our institute
Godard J, Manzo N, Di Tomasso L, Tiberghen E, Orhna B, Czorny A (Besancon, FR)
- T1A6. Cholinergic mechanisms are involved in the pain relieving effect of spinal cord stimulation
Schechtmann G, Song Z, Ulfenius C, Meyerson BA, Linderth B. (Stockholm, SE)
- T1A7. Stereotactic thalamotomy for the treatment of cancer-related neurogenic pain
Balas I, Llumiguano C, Doczi TP (Pecs, HU)

T1B

TRANSPLANTATION

Chair : MJ Staal, Y Lazorthes

- T1B1. Strategies for nigrostriatal pathway reconstruction in experimental models of Parkinson's disease
Juan A. Barcia, Francisco J Sancho, M. Carmen Félez, Cristina Martínez, Véronique Benavent, M Eugenia Hernández, José M. Gallego, Manuel Salmerón, José L. Gómez-Ribelles, José M. García-Verdugo, Manuel Monleón, José M. Soria (Valencia, ES)
- T1B2. Long-distance migration and multi-lineage differentiation of fetal human neural stem cells after transplantation into the rat brain
J. Maciaczyk, D. Maciaczyk, A. Klein, G. Nikkhah (Freiburg, DE)
- T1B3. Multipotent neural stem cells from the adult human brain: a potential tool for brain self-repair
Sophie Châtelin, Jean-Christophe Sol, Suzanne Jozan, Frank-Emmanuel Roux, Yves Lazorthes (Toulouse, FR)
- T1B4. Primate adult brain cell autotransplantation in a model of Parkinson's disease.
Jocelyne Bloch, Mélanie Kaeser, Jean Guy Villemure, Jean-François Brunet (Lausanne, CH)
- T1B5. Transplantation of autologous human adult neural stem cells and differentiated neurons for Parkinson's disease: long-term post-operative metabolic and clinical outcome.
Levesque, M, Neuman, T, Palm, K, Resack, M (Los Angeles, US)
- T1B6. Transient striatal delivery of GDNF via encapsulated cells leads to sustained behavioural improvement in a bilateral model of Parkinson disease
Ali Sajadi, Jean-Charles Bensadoun, Bernard L. Schneider and Patrick Aebischer (Lausanne, CH)
- T1B7. Modulation of the epileptic activity by intracerebral cell grafts or local infusion of neurotransmitters
José M. Gallego, Francisco J. Sancho, Sandra Vidueira, Laura Ortiz, Ascensión Castillo, Rafael Galiano, Rafael Gutiérrez, María Aliaga, M. Eugenia Hernández, José M. Soria, José M. García-Verdugo, Juan A. Barcia. (Valencia, ES)

12H30-14H00

LUNCH (BEHIND PLENARY ROOM)

ESSFN EXECUTIVE CTE LUNCH (REGISTRATION LEVEL)

ESSFN RESEARCH GRANT CTE LUNCH (REGISTRATION LEVEL)

14H00

PARALLEL SESSIONS 2

T2A

MOVEMENT DISORDERS I

Chair : V Visser-Vandewalle, M Sceratti

- T2A1. **Chronic bilateral deep brain stimulation of GPI in treatment of the local and generalized forms of torsion dystonia**
V.A. Shabalov, A.A. Tomskiy, E.D. Isagilyan, A.V. Dekopov (Moscow, RU)
- T2A2. **Prospective evaluation of deep brain stimulation in segmental dystonia: a series of 15 patients**
Krauss JK, Blahak C, Capelle HH, Kekelia K, Bätzner H, Grips E, Weigel R, Wöhrle JC (Hannover, DE)
- T2A3. **GPI DBS for orofacial or pharyngolaryngeal dystonia**
Hori Takaomi Taira, Taku Ochiai, Shinichi Goto, Tomokatsu (Tojyo, JP)
- T2A4. **Focal hand dystonia in instrumental musicians: A neurosurgically curable disorder**
Takaomi Taira, Taku Ochiai, Shinichi Goto, Tomokatsu Hori (Tokyo, JP)
- T2A5. **Idiopathic and secondary upper limb segmental distonia. The therapeutic role of chronic motor cortex stimulation**
Angelo Franzini , Carlo Marras, Luigi Romito , Giovanni Tringali , Alberto Albanese , Giovanni Broggi. (Milan, IT)
- T2A6. **Utilization of multiple simultaneous tracts for microelectrode recordings in Deep Brain Stimulation.**
E.J. Boviatsis, M.S. Themistocleous, A.T. Kouyialis, P. Stathis, G. Tagaris, T.I. Bouras, D.E.Sakas (Athens, GR)
- T2A7. **Relationships between MRI anatomy and electrophysiological spontaneous unitary recordings in the subthalamic region during stereotactic surgery for Severe Idiopathic Parkinson's disease.**
J. Coste; S. Siadoux; P Derost; F Durif; J Gabrillargues;S Hemm, JJ Lemaire (Clermont Ferrand, FR)
- T2A8. **A Cross Validation Study of STN targeting on MRI: from Stereotactic Procedures and Automatic Registration Algorithms to direct identification**
FJ Sanchez Castro, C Pollo, R Meuli, P Maeder, JG Villemure, JP Thiran (Lausanne, CH)
- T2A9. **Patient specific modelling and simulation of deep brain stimulation: A method for pre- and postoperative investigations**
Mattias Åström, Ludvic U. Zrinzo, Marwan I. Hariz, Stephen Tisch, Patricia Limousin, Karin Wårdell (London, UK; Linköping, SE)
- T2A10. **Dementia after STN-DBS: predictive value of preoperative hippocampal atrophy**
Selma Aybek, Francois Lazeyras, Aline Gronchi, J Bogousslavsky, JG Villemure, Pierre Burkhard, Francois JG Vingerhoets (Lausanne, CH)

T2B

EPILEPSY I

Chair : J Régis, K Wester

- T2B1. Comparison of clinical outcome with the extension of selective amygdalohippocampectomy for treating mesiotemporal epilepsy
G. Vaz, C. Grandin, K. van Rijckevorsel, C. Raftopoulos (Brussels, BE)
- T2B2. Subtemporal amygdalohippocampectomy -operative & neuropsychological outcomes
Tomokatsu Hori, Taku Ochiai, Yuihci Kubota (Tokyo, JP)
- T2B3. Selective Amygdalohippocampectomy VS anterior temporal lobectomy:
A comparison study of seizure outcome
Bate H., Wieshmann U.C., Varma T.R.K., Eldridge P.R., Kouyialis A.T. (Liverpool, UK)
- T2B4. Temporal disconnection for intractable temporal lobe epilepsy :
results of a series of 45 consecutive patients
*Stéphan Chabardès; Lorella Minotti ; Dominique Hoffmann ;
Philippe Kahane, Eric Seigneuret, Alim Louis Benabid (Grenoble, FR)*
- T2B5. Stereotactic intrahippocampal transection interrupts seizures in a mouse model
of temporal lobe epilepsy.
Johan Pallud, Bertrand Devaux, Antoine Depaulis. (Paris, FR)
- T2B6. Stereotactic amygdalohippocampectomy in the treatment of medial temporal
lobe epilepsy (MTLE).
R. Li_cák, M. Kalina, Z. Vojtech, T. Procházka, V. Vladyka (Prague, CZ)
- T2B7. Radiosurgery in Mesial Temporal Lobe Epilepsy : long-term outcome
Jean Régis , Manabu Tamura , Fabrice Bartolomei, Patrick Chauvel. (Marseille, FR)
- T2B8. Amygdalohippocampal Stimulation For Intractable Temporal Lobe Epilepsy.
*C Pollo, M Seeck, G Foletti, S Vullemioz, C Boex, L Spinelli, E Pralong, D Debatisse,
JG Villemure (Lausanne, CH)*
- T2B9. Electrical Stimulation of the Hippocampus (ESH) in Patients with Intractable
Temporal Lobe Epilepsy: A Double Blind and Long Term Follow up Study
F Velasco, A L Velasco, M Velasco, F Jimenez (Mexico, MX)
- T2B10. Deep brain stimulation in patients with intractable epilepsy: clinical experience in 5 cases
Jung-Kyo Lee, Seok Ho Hong, Joong-Koo Kang, Tae-Sung Ko (Seoul, KR)

Chair : A Goncalves-Ferreira, J Bloch

- T2C1.** Image Guided Robotized Radiosurgery based on the Microanatomy: Advantages in CISS with gadolinium enhancement
Motohiro Hayashi, Jean Regis, Taku Ochiai, Kotaro Nakaya, Mikhail Chernov, Masahiro Izawa, Tomokatsu Hori, Kintomo Takakura (Tokyo, JP)
- T2C2.** A cine-MRI study after endoscopic lamina terminalis fenestration for treatment of hydrocephalus associated to pineal region tumors.
Iacoangeli M, Di Rienzo A, Dobran M, Formica F, Scerrati M. (Ancona, IT)
- T2C3.** Characterization of subthalamic nucleus (STN) by T2-weighted 3-Tesla Magnetic Resonance Imaging (3T MRI)
P Browaeys, C Pollo, J Bloch, JG Villemure, S Binaghi, P Schnyder, P Maeder, R Meuli (Lausanne, CH)
- T2C4.** Treatment of spasticity with intrathecal baclofen pump. A review of 33 patients, follow up and outcomes.
Godard J, Di Toasso L, Beaudic Y, Billon-Grand R, Parratte B, Erger E. (Besancon, FR)
- T2C5.** A new treatment of neurogenic bladder dysfunction: the sacral nerve stimulation
Lavano A., De Rose M., Grassi A., Abbate F., Signorelli C.D. (Catanzaro, IT)
- T2C6.** Benefit-Risk-Ratio of 5-Channel-Microelectrode-Recording in Deep Brain stimulation (DBS)
J.Vesper, F. Arntage, Ch. Wille, G. Nikkhah, Ch. Ostertag (Freiburg, DE)
- T2C7.** Aggressive integrated treatment for multiple brain metastases: the role of surgery and radiosurgery.
Formica F., Iacoangeli M., Chiriatti S., Cardinali M., Mauro A.M., Bompreszi C., Scerrati M. (Ancona, IT)
- T2C8.** A comparison of two treatment methods of lung cancer brain metastases: Whole Brain Radiation Therapy (WBRT) and radiosurgery (SRS).
Edyta Wolny, Andrzej Tukiendorf, Aleksandra Gradziel, Adam Idasiak, Slawomir Blamek, Leszek. Miszczyk (Gliwice, Poland)
- T2C9.** The New Stereotactic Radiosurgery: The latest Gamma Knife treatment strategy for acoustic schwannoma: Image Guided & Robotized Micro-Radiosurgery
Motohiro Hayashi, Jean Regis, Taku Ochiai, Kotaro Nakaya, Mikhail Chernov, Masahiro Izawa, Tomokatsu Hori, Kintomo Takakura (Tokyo, JP)
- T2C10.** Endoscopic aqueductoplasty in trapped fourth ventricle syndrome : a neuronavigation guided suboccipital approach
Van Damme O, Dewaele F, Baert E, Caemaert J. (Ghent, BE)
- T2C11.** Human foetal striatal transplantation in Huntington's disease. First Italian clinical trial et the University of Florence. Preliminary report.
P Gallina, G Vannelli, M Paganini, L Lombardini, R Saccardi, M Macucci, S Piacentini, R Mura, E. D'Alessio, C. Mechi and N. Di Lorenzo (Florence, IT)
- T2C12.** The DREZ surgery for pain of brachial plexus injury origin.
M. Spaic, Petkovic S, Markovic N. (Belgrade, YU)
- T2C13.** Sulcal vessels in the dorsolateral sulcus of the spinal cord are an important landmark during microsurgical DREZotomy
Takaomi Taira, Toshiyuki Sasaki, Taku Ochiai, Shinichi Goto, Tomokatsu Hori (Tokyo, JP)

- T2C14. Neurophysiological Navigation in the Trigeminal Nerve (TN) for accuracy of RF-Thermorhizotomy (Th-Rh) for Trigeminal Neuralgia : Video demonstration**
Marc Sindou, Hidetaka Arishima (Lyon, FR)
- T2C15. Percutaneous Trigeminal Ganglion Balloon compression for the treatment of secondary trigeminal neuralgia.**
Constantoyannis Constantine , Chroni Elisabeth (Patras, GR)
- T2C16. Modification of event-related Beta synchronization induced by motor cortex electrical stimulation for control of neuropathic pain**
N. Reyns , E. Houdayer , E. Labyt , J.L. Bourriez , P. Derambure, S. Blond (Lille, FR)
- T2C17. Spinal cord stimulation (SCS) in treatment of chronic pain syndromes**
E.D.Isagulyan, V.A.Shabalov, A.A.Tomskiy (Moscow, RU)
- T2C18. Deep Brain Stimulation of the posterior hypothalamus for chronic cluster headaches**
Vesper J, May A, Nikkhah G, Weiller C (Freiburg, DE)
- T2C19. Deep Brain Stimulation (DBS) of the subthalamic nucleus (STN) in elderly patients**
Vesper J, Haack S, Nikkhah G, Ostertag C (Freiburg, DE)

16H00-16H30 **PAUSE (EXHIBIT AREA)**

16H30 **PARALLEL SESSIONS 3**

T3A

IMAGING - NAVIGATION

Chair : CHA Meyer, C Pollo

- T3A1. Intraoperative MRI: Clinical experience and new developments using a Low-field mobile system with local shielding
Marc Levivier, David Wikler, Danielle Baleriaux, Olivier De Witte, Benoit Pirotte, Jacques Brotchi (Brussels, BE)
- T3A2. Neuronavigation with fiber tracking of the optic tract
M B Glaser, P Grunert, P R Dellani, K J Werhahn, P Stoeter, A. Pernecky (Mainz, DE)
- T3A3. Comparison of a neurosurgical Robotic System (NRS) and Optical Tracking Image guided system (OTIGS)
M Sam Eljamel (Dundee, UK)
- T3A4. Return of the Phantom: Image-Guidance Accuracy and the Real World
C. R. Mascott, J-C. Sol (Toulouse, FR)
- T3A5. The utility of signal frequency plotting for the prediction of subthalamic nucleus location during deep brain stimulation surgery for Parkinson's disease
Shabbar F. Danish, Jason T. Moyer, Gordon H. Baltuch, Jurg L. Jaggi, , Leif H. Finkel (Philadelphia, US)
- T3A6. Intracerebral measurements during DBS-implantation using optical methods
Karin Wårdell, Patric Blomstedt, Johan Antonsson, Ola Eriksson, Johan Richter, Marwan Hariz (Linköping, SE)
- T3A7. Quantification of True in Vivo ("Application") Accuracy in Frame-based Stereotactic Surgery
C. R. Mascott, P. Cheynes, J-C. Sol, J. Sabatier, J-A Lotterie, I. Berry, Y. Lazorthes (Toulouse, FR)

T3B

SPASTICITY - NEUROPHYSIOLOGY

Chair : VA Shabalov, E Pralong

- T3B1. Spastic equinus foot : Prospective study of clinical, electrophysiological and biomechanical parameters of the triceps surae before and after lidocaine soleus nerve motor block, and after selective tibial neurotomy.
Buffenoir Kevin, Rigoard Philippe, Lambertz Daniel, Perot Chantal, Decq Philippe (Poitiers, FR)
- T3B2. Continuous infused baclofen in the treatment of spastic cerebral palsy: a prospective multicenter study.
Lazorthes Y, Sindou M, Blond S, Cavagna R, Scherpereel B, Godard J, Orenstein D, Paquis Ph, Gangloff S, Duthel R, Irthum B (Multicenter-France)
- T3B3. Intrathecal Baclofen infusion in severe spasticity due to acquired brain injury
B Cioni, R Formisano, M Meglio, L D'angelo, L Di Muro (Rome, IT)
- T3B4. Sleep EEG recording from deep brain electrodes placed in the peduncolopontine nucleus area in Parkinson Disease patients.
Giacomo Della Marca, Angelo Insola, Domenico Restuccia, Luca Padua, Pietro Caliendo, Paolo Mazzone (Rome, IT)
- T3B5. Biochemical and electrophysiological changes of substantia nigra pars reticulata driven by subthalamic stimulation in Parkinson's disease patients
Alessandro Stefani, Salvatore Galati, Ernesto Fedele, Paolo Stanzione, Paolo Mazzone (Rome, IT)
- T3B6. Effect of deep brain stimulation in the internal pallidum, excitatory or inhibitory
Pralong, E., Debatisse, D., Pollo, C., Villemure, J-G. (Lausanne, CH)

T3C

ORAL POSTERS II

Chair : M Harat, DA Bosch

- T3C1. Protection of nigral cell death by bilateral subthalamic nucleus stimulation
Y. Temel, V. Visser-Vandewalle, HWM Steinbusch (Maastricht, NL)
- T3C2. Deep brain stimulation of the STN in Parkinson's disease
Xio-ping Zhou, Xiao-wu Hu, Xiu-feng Jiang, Lai-xing Wang (Changhai, CH)
- T3C3. Levodopa induced dyskinesias and surgery in Parkinson disease. A review
J Guridi, JA Obeso, MC Rodriguez-Oroz, M Manrique (Pamplona, ES)
- T3C4. Complete Alleviation of Off-period Dystonia in Cases with Parkinson's Disease after Bilateral STN Neurostimulation
Ali Savas, Cenk Akbostanci, Bulent Elibol, Yucel Kanpola (Ankara, TU)
- T3C5. Deep brain stimulation in the globus pallidus to treat dystonia: symptoms improvement, neuronal recording and muscular activity in ten patients
C. Magariños-Ascone, I. Regidor, M. Gómez- Galán, L. Cabañes- Martínez, R. Figueiras-Méndez.(Madrid, ES)
- T3C6. Short term follow up results of GPi-DBS for dystonia
Taku Ochiai, Takaomi Taira, Shinichi Goto, Motohiro Hayashi, TomokatsuHori (Tokyo, JP)
- T3C7. The Effect of Deep Brain Stimulation in the Treatment of Oromandibular dystonia with cervical dystonia
Kyung-Jin Lee, Young-Woo Kim (Seoul, KR)
- T3C8. Motor cortex stimulation in severe Parkinson's disease
A Landi, F. Vergani, N. Ronchini, R Cilia, M Parolin, E Pirola, A Antonini, EP Sganzerla. (Monza, IT)
- T3C9. Subthalamic nucleus stimulation in Parkinson's disease: Anatomical and electrophysiological localization of active contacts.
Godinho F, Thobois S, Polo G, Mertens P (Lyon, FR)
- T3C10. Unilateral pallidotomy vs unilateral electrical stimulation of GPi in bilateral symptoms of Parkinson disease at one year follow-up
Jimenez F, Madrigal A, Velasco F, Velasco M, Velasco AL, Carrillo JD, Cervantes A, Soto J, Castro G (Mexico, MX)
- T3C11. Bifocal pallidal and subthalamic deep brain stimulation in sporadic dystonia-parkinsonism
Capelle HH, Blahak C, Baezner H, Fogel W, Woehrle JC, Krauss JK (Hannover, DE)
- T3C12. Control of secondary dystonia with GPi deep brain stimulation with microelectrode recording
Tae-Kyu Lee; Seung-ho Yang; Kwan-Sung Lee; Shin-Soo Jeun; Yong-Kil Hong; Moon-Chan Kim; Chun-Kun Park (Seoul, KR)

19H00

VISIT CHATEAU DE CHILLON

(BUS LEAVES AT 18:45 IN FRONT OF CONGRESS CENTER)

FRIDAY OCTOBER 6

Plenary II (Miles Davis)

8H30

GUESTS' LECTURES

Chair : AL Benabid, M Hariz

"Diffusion MRI from scalar DWI to DTI and beyond"
Prof Reto Meuli (Lausanne, Switzerland)

"Radiosurgery : biology and physic"
M Stéphane Simon (Brussels, Belgium)

"Brain stimulation : excitation or inhibition"
Prof Bernard Pidoux (Paris, France)

"Comments" from AL Benabid (Grenoble, France)

10H30 PAUSE (EXHIBIT AREA)

11H00 PARALLEL SESSIONS

F1A

PAIN II

Chair :Y Kanpolat, Y Lazorthes

- F1A1. Demonstration of activation and somatotopy in the human sensory nociceptive trigeminal system using 3T based fMRI.
C Hayhurst, S Basu, P R Eldridge, T R K Varma, T Nurmikko, A Zaman, N Roberts (Liverpool, UK)
- F1A2. Microvascular Decompression (MVD) for Trigeminal Neuralgia (TN).
Marc Sindou, José Leston (Lyon, FR)
- F1A3. Clinical and radiological findings in patients experiencing immediate pain relief after stereotactic radiosurgery (SRS) for Trigeminal Neuralgia
De Salles AAF, Gorgulho A, Bezrukiy NV, King J, Zhang S, Selch M, De Marco J, Agazaryan N (Los Angeles, US)
- F1A4. Clinical response to Cyberknife radiosurgery in trigeminal neuralgia patients with and without neurovascular compression on MRI.
Tae-Kyu Lee ;Moon-Chan Kim; Byung-Ok Choi ; Ihl-Bohng Choi; Young-Nam Kang, Ji-Sun Jang (Seoul, KR)
- F1A5. Incidence of trigeminal nerve dysfunction after trigeminal neuralgia radiosurgery: a comparison between 3 treatment strategies
Nicolas Massager, Noriko Tamura, Jean Regis, Marc Levivier (Brussels, BE)
- F1A6. The Restore Rechargeable Neurostimulation System: a Prospective Outcome Study
Krauss JK, Van Buyten JP, Spincemaille GH, Tronnier V, Beute G, Pallarés JJ, Sindou M, Zucco F, De Andres J, Buchser E, Constantini A, Lazorthes Y (Mulicenter-Europe)
- F1A7. Internal Capsule Stimulation for Pain Control
Donald Richardson MD (New Orleans, US)

F1B

MOVEMENT DISORDERS II

Chair : S Blond, J Vogues

- F1B1. Subthalamic nucleus stimulation : one year follow -up in a large, single centre cohort of Parkinsonian patients
S. Blond, M. Tyr, G. Touzet, N. Reyns, F. Cassim, D. Devos, P. Krystkowiak, L. Defebvre, A. Destée (Lille, FR)
- F1B2. Long term outcome in 50 consecutive advanced PD patients treated with STN- DBS
Ch Wider, JG Villemure, C Pollo, J Bogousslavsky, P Burkhard, F Vingerhoets (Lausanne, CH)
- F1B3. Placement of the most efficient contact in patients implanted with STN-DBS in Parkinson's disease.
J Guridi, MC Rodriguez-Oroz, M Alegre, M Manrique, JA Obeso (Pamplona, ES)
- F1B4. Evaluation of the spatial distribution of activated electrode contacts and their correlation to anatomical structures in deep brain stimulation of the subthalamic nucleus for treatment of advanced parkinson disease
Wilhelm Eisner, Florian Sohm, Elisabeth Wolf, Jörg Müller, Richard Bauer, Thomas Fiegele (Innsbruck, Austria)
- F1B5. Three-dimensional spatial distribution of the stimulating electrodes in human subthalamic nucleus (STN) in advanced Parkinson disease(PD): study of the optimal contact localization and stimulation-related side effects.
Napoleon Torres, Chiung Chen, Stephan Chabardes, Paul Krack, Valerie Fraix, Pierre Pollak, and Alim-Louis Benabid. (Grenoble, Fr)
- F1B6. Is STN-DBS as effective when procedure is done under general anesthesia ?
A prospective study of 110 patients
Jean Regis, Tatiana Witjas, Jean Philippe Azulay, Marianne Sethian, Christelle Chabot, Manabu Tamura, Jean Claude Peragut. (Marseille, FR)
- F1B7. Parkinson's disease progresses in patients treated by STN DBS
FJG Vingerhoets, H Russmann, Ch Wider, B Robert, C.Lee, PR Burkhard, JG Villemure (Lausanne, CH)

12h30 LUNCH (BEHIND PLENARY ROOM)
 WSSFN LUNCH (REGISTRATION LEVEL)

13h30 ESSFN GENERAL ASSEMBLY (MILES DAVIS)

14h30 PARALLEL SESSIONS

F2A

EPILEPSY II

Chair : G Lo Russo, M Manrique

- F2A1. **Disconnective surgery for drug-resistant focal epilepsy**
Massimo Cossu, Francesco Cardinale, Laura Castana, Giorgio Lo Russo (Milan, IT)
- F2A2. **Dysembryoplastic neuroepithelial tumors : heterogeneity in imaging presentation, epileptogenicity and surgical strategy.**
Bertrand Devaux, Francine Chassoux, Sebastian Rodrigo, Baris Turak, Elisabeth Landré, Catherine Dumas-Duport (Paris, FR)
- F2A3. **Focal Cortical Dysplasia in children: which presurgical investigations?**
S. de Ribaupierre, C. Bulteau, G. Dorfmueller, M. Fohlen, C. Jalin, K. Meagher-Villemure, E. Perez-Roulet, M. Seeck, O. Delalande, J.G. Villemure (Lausanne, CH)
- F2A4. **Neuromodulation of the Centromedian Thalamic Nuclei in Treatment of Generalized Seizures and Quality-Of-Life Improvement in Patients With Lennox-Gastaut Syndrome**
A L Velasco, F Velasco, F Jimenez, M Velasco (Mexico, MX)
- F2A5. **Long-term Safety of Deep Brain Stimulation of Mammillary Body and Mammillothalamic Tract in Patients with Refractory Epilepsy: Experience with Five Cases**
Basel Abu-Serieh, Adrian Ivanoiu, Kenou van Rijckevorsel, Gwenaëlle Mary, Marianne de Tourchaninoff, Cécile Grandin, Thierry Duprez, Christian Raftopoulos (Brussels, BE)
- F2A6. **Subdural Electrode Associated Complications: A 20-Year Experience.**
Kostas N. Fountas, Joseph R. Smith (Augusta, US)
- F2A7. **Long-term outcome and risk factors for seizure recurrence in temporal lobe epilepsy surgery**
G.Villalba, J.Rumiá, B.Fiol, J.González, S.Candela, T.Boget, L.Pintor (Barcelona, Spain)

F2B

RADIOSURGERY

Chair : R Liscak, M Levivier

- F2B1. **Management of cystic craniopharyngiomas with colloidal 186Rhenium stereotactic intracavitary irradiation procedure.**
S. Derrey, N. Reyns, G.Touzet, H. Gauthier, P. Carpentier, P. Dhellemmes, S. Blond (Lille, FR)
- F2B2. **Stereotactic radiosurgery for nonsecreting pituitary adenomas.**
R. Liscák, V. Vladyka, J. Marek, G. _imonová, J. Vymazal (Prague, CZ)
- F2B3. **Radiosurgery using Computer-Based Micro-Multi-Leaf-Collimator for Large Cerebral Arteriovenous Malformations**
Maarouf M , Kühn C , Voges J , Treuer H , Hoevels M , Müller R-P , Lackner K, Sturm V (Cologne, DE)
- F2B4. **Indications and results of radiosurgery with LINAC for the treatment of acoustic neuromas**
Radu Alexandre, Pica Alessia, Villemure Jean-Guy, Maire Raphaël (Lausanne, CH)
- F2B5. **Longterm Hearing Preservation For Vestibular Schwannoma After Gamma Knife Radiosurgery : Analysis for patients with initial Gardner-Robertson class I.**
Manabu Tamura, Christine Delsanti, Pierre Hughes Roche, Jean Marc Thomassin, Jean Régis (Marseille, FR)
- F2B6. **LINAC Radiosurgery for Glomus Jugulare Tumors: Long-Term Follow-up**
Maarouf M, El Majdoub F, Voges J, Kocher M, Treuer H, Sturm V (Cologne, DE)

Chair : J Tuominen, JK Krauss

- F2C1.** Effects of bilateral STN stimulation on cardiovascular autonomic regulation
Tuomo Erola, Tarja Haapaniemi, Esa Heikkinen, Juho Tuominen, Heikki Huikuri, Vilho Myllylä (Oulu, FI)
- F2C2.** Accuracy of frameless DBS stereotax. The Stealth station Framelink and Nexframe system NEXFRAME system experience
Roldan P, Talamantes F, Cortes O, Quilis V, GMarch W, Salvador A (Valencia, Spain)
- F2C3.** Perioperative Localization of Subthalamic Nucleus
Richard M. Lehman, Annette Nieves (New Brunswick, US)
- F2C4.** Bilateral Subthalamic Nucleus Stimulation in the Treatment of Advanced Parkinson's Disease. 5 years experience.
M. Sobstyl, M. Zabek, H. Koziara, Z. Mossakowski, S. Dzierzecki, A. Zaczylski (Warsaw, PL)
- F2C5.** Deep brain stimulation of the globus pallidus improves cognitive and motor dysfunction in a transgenic rat model of Huntington's disease
Y. Temel, C. Cao, A. Blokland, C. Schmitz, HWM Steinbusch, V. Visser-Vandewalle (Maastricht, NL)
- F2C6.** Surgical experience in a large cohort of DBS patients with PD, ET and other disorders
Jurg L. Jaggi, Gordon H. Baltuch (Philadelphia, US)
- F2C7.** Deep brain stimulation of the subthalamic nucleus (STN-DBS) for Parkinson's disease
Takayuki Ohira (Tokyo, JP)
- F2C8.** Quality of life of PD patients implanted in the STN
Raoul S, Drapier S, Desal H, Sauleau P, Ty Pham, P. Damier, Verin M, Lajat Y (Nantes, FR)
- F2C9.** Parkinson Disease Management in Romania: Past, Present and Future.
Jean Ciurea, George Lugoji, Ileana Simoca (Bucarest, RO)
- F2C10.** Simultaneous targeting and stimulation of Stn and Vim in tremor predominant PD patients. Pro's and cons.
Stanislaw J. Kwiek, Gabrielalodowska-Duda, Tomasz Wójcikiewicz, Wojciech Slusarczyk, Wojciech Kukier, Piotr Bazowski, Anna Zymon-Zagórska, Hanna Buszta, Marek Konopka, Aleksandra Kieltyka, Grzegorz Opala (Katowice, PL)
- F2C11.** Facial Pulling during intraoperative stimulation for Subthalamic Nucleus (STN) Deep Brain Stimulator (DBS) implant
Gorgulho A; Shields DMalkasian DBehnke E,Krahl S, De Salles AAF (Los Angeles, US)
- F2C12.** Unilateral Deep Brain Stimulation in Contralateral Subthalamic Nucleus for Parkinson's Disease After Prior Pallidotomy ; long term follow-up
Tae-Kyu Lee, Seung-Ho Yang, Kwan-Sung Lee, Shin-Soo Jeun, (Seoul, KR)
- F2C13.** Subthalamic nucleus stimulation for essential tremor: Critical target area and short- and long-term results.
Lind G, Schechtmann G, Lind Ch, Winter J L, Meyerson BA, Linderoth B (Stockholm, SE)
- F2C14.** Health-related quality of life in segmental dystonia is improved by bilateral pallidal chronic deep brain stimulation
Capelle HH, Blahak C ,Kekelia K Baezner H , Weigel R, Grips E, Woehrle JC, Krauss JK (Hannover, DE)

16H00 PAUSE (EXHIBIT AREA)

16H30 PARALLEL SESSIONS

F3A

TUMOR

Chair : M Galanda, D Sakas

- F3A1. Modern multimodal neuroimaging image-guided neurosurgery: the example of PET scan integration**
M. Levivier, D. Wikler, B. Pirotte, N. Massager, Ph. David, S. Goldman, J. Brotchi (Brussels, BE)
- F3A2. Stereotactic versus endoscopic surgery in periventricular lesions**
Thomas M. Kinfe, Hans-Holger Capelle, Javad Mirzayan, Jochen Boschert, Ralf Weigel, Joachim K. Krauss (Hannover, DE)
- F3A3. Stereotactic biopsies of Intrinsic Brain Stem Lesions**
G. Touzet, N. Reyns, S. Derrey, C. Haegelen, S. Caron, R. Assaker, M. Vinchon, S. Blond (Lille, FR)
- F3A4. Convection – enhanced intratumoral application of Hycamthin (topotecan ®) in the treatment of recurrent glioblastoma, a clinical pilot study**
Frank Hertel, Michael Kiefer, Wolfgang Feiden, Martin Bettag (Trier, DE)
- F3A5. Effect of cervical spinal cord stimulation in the microenvironment of malignant gliomas**
F. Robaina, B. Clavo, MA Caramés, I Jorge, B Valcarcel, L Catalá, R Montz, F, Panero, JL Carreras (Canary Island, ES)
- F3A6. Experience with the mini-invasive supraorbital subfrontal key-hole approach in the treatment of epileptogenic anterior fossa meningiomas**
Iacoangeli M, Di Rienzo A, Dobran M, Formica F, Mauro A.M, Scerrati M. (Ancona, IT)

F3C

ORAL POSTERS IV

Chair : J Ciurea, G Broggi

- F3C1. Long Term Results and Quality of Life in Children after Epilepsy Surgery**
Dawid Larysz, Patrycja Skorupka, Marek Mandra (Katowice, PL)
- F3C2. Neuronavigation assisted subdural strip electrode positioning – a simple method to increase the accuracy of strip localization in epilepsy surgery**
Lorand Eross, Attila Bago, Imre Fedorcsák, Attila Balogh, Péter Halasz (Budapest, HU)
- F3C3. SEEG of insular cortex with occipito-insular electrodes in temporal plus or fronto opercular epilepsy.**
S. Gil Robles, A. Crespel , P. Gelisse , H. El Fertit , P. Coubes (Montpellier, FR)
- F3C4. Surgical results of corpus callosotomy in patients with intractable epilepsy**
Jung Kyo Lee, Seok Ho Hong, Joong koo Kang, Sang Am, Lee, Tae Sung Ko. (Seoul, KR)
- F3C5. Frameless stereotactic robot-guided depth electrode placement for invasive EEG-monitoring in children with drug-resistant partial epilepsy**
G. Dorfmueller, C. Bulteau, M. Fohlen, S. de Ribaupierre, C. Jalin, O. Delalande (Paris, FR)
- F3C6. Reversal of the Epileptic Encephalopathy Epilepsy in Hypothalamic Hamartomas: a Prospective Trial of Gamma Knife Surgery in 65 patients.**
Mariko Nagai, Manabu Tamura, Nathalie Villeneuve, Fabrice Bartolomei, Thierry Brue, David DaFonseca, Patrick Chauvel, Jean Régis. (Marseille, FR)

- F3C7. Surgery for intractable focal epilepsy : what is the current need for invasive seizure monitoring ? Insights from a four-decade experience.
Bertrand Devaux, Francine Chassoux, Baris Turak, Elisabeth Landré. (Paris, FR)
- F3C8. Deep Brain stimulation (DBS) in Progressive Myoclonic Epilepsy
Vesper J, Steinhoff BJ, Rona S, Nikkhah G, Ostertag CB (Freiburg, DE)
- F3C9. Vertical gaze palsy after thalamic deep brain stimulation for intractable Tourette Syndrome
L. Ackermans, Y. Temel, D. Cath, M. Kleijer, C. van der Linden, P. Nederveen, K. Schruers, MAJ Tijssen, V. Visser-Vandewalle (Maastricht, NL)
- F3C10. Effect of bilatéral subthalamic nucleus stimulation on postural control in advanced Parkinson's disease.
S.Colnat-Coulbois, G. Gauchard, L.Maillard, G.Barroche, H. Vespignani, J. Auque and P.Perrin (Nancy, FR)
- F3C11. Pallidal Deep Brain Stimulation (DBS) in a patient with progressive dystonia due to Tyrosine Hydroxylase deficiency
Alexander Stibal, Janine Abu Isa, Alain Kaelin-Lang (Bern, CH)
- F3C12. A simple method for frameless micro-electrode recording in movement disorders surgery
M Sam Eljamel, K Spillane, Mary Latimer & Mark Tulley (Dundee, UK)

19h00

GALA DINNER ON THE LAKE

(BOAT LEAVES AT 19:15, DECK IN FRONT OF CONGRESS CENTER)

SATURDAY OCTOBER 7

8H30

PARALLEL SESSIONS

S1A

PSYCHIATRY

Chair : B Nuttin, F Velasco

- S1A1. Limbic leukotomy - like stereotactic procedure for treatment of impulsive-aggressive disorder
Fiacro Jiménez, Julián Soto, Lizbeth Ramírez, Edith Guerrero, Francisco Velasco, Guillermo Castro, José D. Carrillo-Ruiz and Estela García (Mexico, MX)
- S1A2. Cingulotomy for refractory obsessive-compulsive disorder. Over one-year follow-up of five patients.
M. Birski, M. Harat, M. Rudas, A. Borkowska, J. Rybakowski (Bydgoszcz, PL)
- S1A3. Capsulotomy for OCD - long-term efficacy and side-effects
Christian Rück, Andreas Karlsson, Pär Svanborg, Björn A Meyerson, Marie Åsberg (Stockholm, SE)
- S1A4. Gamma Knife Capsulotomy for Intractable Obsessive Compulsive Disorder
Marc Goldman, Georg Norén, Steven A. Rasmussen, Richard Marsland, Benjamin Greenberg, Christer Lindquist (Providence, US)
- S1A5. Deep brain stimulation for obsessive compulsive disorder
P.R. Schuurman, D.J.A.P. Denys, D.A. Bosch (Amsterdam, NL)
- S1A6. Thermal Anterior Capsulotomy for Chronic, Severe, Treatment-Refractory Major Depression.
K. Matthews, D.M. Christmas, M.S. Eljamel (Dundee, UK)
- S1A7. Deep brain stimulation of the right nucleus accumbens in a patient with Tourette's syndrome. Case report.
M. Zabek, M. Sobstyl, H. Koziara, A. Friedman (Warsaw, PL)
- S1A8. Tourette Syndrome. Intermediate and long term follow-up results of a consecutive surgical series of 18 patients.
Servello D, Porta M, Sassi M, Brambilla A. (Milan, IT)
- S1A9. Cyberknife Radiosurgery for Psychiatric Disorders
Moon-Chan Kim; Tae-Kyu Lee ; Byung-Ok Choi ; Ihl-Bohng Choi; Young-Nam Kang; Ji-Sun Jang (Seoul, KR)
- S1A10. Neurosurgical Treatments for Depression: A Comparison of Anterior Cingulotomy, Anterior Capsulotomy and Vagus Nerve Stimulation.
M.S. Eljamel, K. Matthews, D.M. Christmas. (Dundee, UK)
- S1A11. Neurosurgery for obsessive-compulsive disorder, other anxiety disorders and depressive disorders - Cochrane Review
David Christmas, Keith Matthews, MS Eljamel (Dundee, UK)

S1B

MOVEMENT DISORDERS III

Chair : F Alesch, JJ Lemaire

- S1B1.** In vivo modulation of midbrain serotonin neurones by the subthalamic nucleus
Y. Temel, V. Visser-Vandewalle, L. Boothman, P. Magill, H.W.M. Steinbusch and T. Sharp (Maastricht, NL)
- S1B2.** Motor cortex stimulation (MCS) for advanced Parkinson disease (PD): long term clinical results
Cioni B, Meglio M, Sturiale C, Bentivoglio AR, Fasano A, Soleti F, Daini S, Daniele A, Zinno M (Rome, IT)
- S1B3.** Combined implantation of PPN and STN improve gait akinesia and freezing in severe Parkinsonian patients.
Paolo Mazzone, Andres M Lozano , Antonella Peppe , Paolo Stanzione, Salvatore Galati , Angelo Insola , Eugenio Scarnati , Alessandro Stefani (Rome, IT)
- S1B4.** Does a limbic subthalamic nucleus exist on humans ?: effect of deep brain stimulation on fear recognition in Parkinson's disease
Raoul S., Biseul I., Sauleau P., Haegelen C., Drapier D, Drapier S., Lallement F, Rivier I., Lajat Y., Verin M. (Nantes, FR)
- S1B5.** Hardware related complications in subthalamic nucleus deep brain stimulation : long term follow-up of 78 patients
J. González, J. Rumià, G. Villalba, S. Candela, J. Poblete, C. García-Amorena, F. Valldeoriola, E. Ferrer (Barcelona, ES)
- S1B6.** Complications, side effects and failures of deep brain stimulation
Angelo Franzini , Carlo Marras , Giovanni Tringali , Giovanni Broggi (Milan, IT)
- S1B7.** Subthalamotomy through chronic deep brain stimulation electrodes in Parkinson's disease.
Molet J, Rodríguez R, Kuliseusky J, Gironell A, Pascual B, Guardia E, Gil de Bernabé A, Bartumeus F. (Barcelona, ES)
- S1B8.** Subthalamic Stimulation is more Cost-Effective than Best Medical Management in Advanced Parkinson's Disease.
Rumià J, Candela S, Valldeoriola F, Ferrer E, Tolosa E (Barcelona, ES)
- S1B9** Different psychosocial subtypes of Parkinsonian patients undergoing bilateral subthalamic stimulation
Kalteis K, Standhardt H, Kryspin-Exner I, Brücke T Volc D, Alesch F (Vienna, AT)

10H30

PLENARY III (MILES DAVIS)

CHAIR: Y LAZORTHES

Guest's lecture

"Status of clinical trials in Functional Neurosurgery: past and present"

Prof Andres Lozano (Toronto, Canada)

11H00

CLOSING CEREMONY - AWARDS

PROF JG VILLEMURE, CONGRESS CHAIRMAN

PROF Y LAZORTHES, PRESIDENT ESSFN

POSTERS

- P1. Role of local inductive cues on striatum precursor cell immunophenotype.**
Gallina P, Paganini M, Marini M, Crescioli C, Vannelli GB (Firenze, IT)
- P2. Experience with Neuronavigation Assisted Surgery for Cerebral Metastases**
Aksiks I, Sverzickis R, Valeinis E, Pukitis E, Putnins R, Ribenis A (Riga, LV)
- P3. Frameless stereotactic brain biopsy**
Alessandro Dario, Emanuela Cartini, Federico Pessina, Mario Soldati, Carlo Scamoni, Giustino Tomei (Varese, IT)
- P4. Pure endoscopic endonasal approach aided by neuronavigation for reatment of pituitary macroadenomas.**
Iacoangeli M, Fasanella L, Carlucci C, Ciabattoni A, Di Rienzo A, Scerrati M.(Ancona, IT)
- P5. Electrical stimulation of the supplementary motor area (ESSMA) in a patient with intractable epilepsy**
Ana Luisa Velasco, José María Núñez, Francisco Velasco, Marcos Velasco, Fiacro Jiménez (Mexico, MX)
- P6. Focal cortical dysplasia in the elderly developing progressive epilepsy partialis continua.**
Foroglou N, Karakostas D, Koutoula O, Selviaridis P, Karkavelas G, Taskos N, Milonas I (Thessaloniki, GR)
- P7. Image-guidance in epilepsy surgery . Where have we been? Where are we going? One Surgeon's 14 year Perspective**
C. R. Mascott (Toulouse, FR)
- P8. Chronic bilateral subthalamic stimulation in two cases of drug-resistant epilepsy : clinical and functional outcome after a 24 months follow-up**
Ricciuti RA, Capecci M, Paggi A, Ortenzi A, Durazzi V, Cardinali V, Diletti L, Bombace VG, Iacoangeli M,Provinciali L, Ceravolo MG, Scerrati M. (Ancona, IT)
- P9. The role of cortico-thalamic coupling in human temporal lobe epilepsy.**
Jean Régis , Maxime Guye, Manabu Tamura, Fabrice Wendling, Aileen Mc Gonigal, Patrick Chauvel, Fabrice Bartolomei (Marseille, FR)
- P10. Long Term Results and Quality of Life in Children after Epilepsy Surgery**
Dawid Larysz, Patrycja Skorupka, Slawomir Blamek, Marek Mandera (Katowice, PL)
- P11. Robotic stereotactic biopsies in the management of brain stem lesions: about a first series of 15 patients**
C. Haegelen, G. Touzet, N. Reyms, D. Lisij, C.A. Maurage, M. Ayachi, S. Blond (Lille, FR).
- P12. An attempt to assess the pleiotropic role of FAS and its ligand (FAS-L) in gliomas of different grades of histological malignancy, sampled by means of stereotactic biopsy**
Bierzynska-Macyszyn G., Mazurek U., Stepień T., Lech A., Właszczuk P., Gola J., Kapral M., Owczarek A., Majchrzak H. (Katowice, PL)
- P13. Preliminary analysis of quality of life f patients treated with stereotactic radiosurgery for residual/recurrent pituitary tumors**
Slawomir Blamek, Dawid Larysz, Edyta Wolny, Adam Rudnik (Gliwice, PL)

- P14. Gamma knife radiosurgery for benign meningiomas**
Aurelia Kollová, Roman Liscák, Josef Novotný Jr, Vilibald Vladyka, Gabriela Jimonová, Ladislava Janoušková (Prague, CZ)
- P15. Radiosurgery for Cavernous Malformations: An experience of 5 years.**
García-Muñoz L, Velasco-Campos F, Lujan-Castilla JP, Enriquez-Barrera M, Villaseñor-Navarro L, Molero-Milo C, Marquez-Díaz C. (Mexico, MX)
- P16. Intraventricular stimulation for targets close to the midline: Periaqueductal Gray, posterior hypothalamus, anterior hypothalamus, subcommissural structures.**
Alim Louis Benabid. Stephan Chabardes. Eric Seigneuret, Napoleon Torres. (Grenoble, FR)
- P17. Microrecording in the subthalamic nucleus using deep brain stimulation electrodes**
Debatisse, D, Pollo, C, Villemure, J-G, Pralong, E. (Lausanne, CH)
- P18. The Pedunculopontine Nucleus (PPN) targeting restore normal prepulse acoustic inhibition in auditory blink reflex of PD patients.**
Angelo Insola, Vincenzo Di Lazzaro, Giacomo Della Marca, Paolo Mazzone (Rome, IT)
- P19. Feasibility of continuous monitoring of the cortico-spinal tract (CST) during surgery around the motor area**
Cioni B, Colicchio G, Di Muro L, Meglio M, Perotti V, Policicchio D, Tufo T (Rome, IT)
- P20. Efficiency of deep cerebellar stimulation in spasticity in cases of CP**
M. Rudas, M. Harat, M Galanda (Bydgoszcz, PL; Banská Bystrica, SK)
- P21. Motor cortex stimulation can improve motor strength in spinal cord injury : case report**
Alessandro Dario, Federico Pessina, Simone Sangiorgi, Carlo Scamoni, Giustino Tomei (Varese, IT)
- P22. Chronic epidural stimulation of the lumbar level of the spinal cord in treatment of CP-patients with spasticity**
Andrey V. Dekopov, Vladimir A. Shabalov, Elena M. Troshina (Moscow, RU)
- P23. 3 Tesla MRI of the thalamic and subthalamic nuclei in an anatomic preparation**
Marbacher S, Slotboom H, Lönnfors-Weitzel T, Stibal A (Bern, CH)
- P24. Imaging and volumetry of the subthalamic nucleus in healthy subjects at 3Tesla MRI**
Lönnfors-Weitzel T, Marbacher S, Slotboom H, Stibal A (Bern, CH).
- P25. Stereotactic Head Ring to MRI Fixation Device**
Jules M Nazzaro, Sławomir Daniluk, Sławomir Daniluk (Boston, US)
- P26. Long-term lead failure in spinal cord stimulation**
Samira Akmal & M S Eljamel (Dundee, UK)
- P27. Peripheral neurostimulation for the treatment of intractable facial pain**
Shinichi Goto, Takaomi Taira, Taku Ochiai, Toshiyuki Sasaki, Tomokatsu Hori. (Tokyo, JP)
- P28. Anatomical targets in gamma knife treatment for intractable pain**
D. Urgosik, R. Liscák, J. Vymazal, J. Novotný Jr., V. Vladyka (Prague, CZ)
- P29. Chronic motor cortical stimulation in refractory neuropathic and central pain**
R. Rodríguez, J. Molet, F. Muñoz, A. Gironell, E. Guardia**, P. Tresserras, P. Clavel, S. De Teresa, J. Solivera, F. Bartumeus (Barcelona, ES)*
- P30. Sacral Nerve Stimulation and Spinal Cord Stimulation for Intractable Pain caused by Spinal Cord Infarction**
Seong Ho Kim, Sung Ho Jang, Sang Ho Ahn, Sang Woo Kim, Chul Hun Chang, Oh Lyong Kim (Daegu, KR)

- P31. Successful treatment of a patient with severe chronic Cluster headache by chronic high frequency stimulation of the ipsilateral hypothalamus**
Frank Hertel, Thomas Ulrich, Martin Bettag, Mark Zuechner, Peter Gemmar (Trier, DE)
- P32. Glycerol Rhizolysis in Trigeminal Neuralgia**
Rattaj M, Jankovic T (Nitra, SK)
- P33. Spinal cord stimulation (SCS) in the failed back surgery syndrome (FBSS): a 28 years**
B Cioni, S Daini, F Doglietto, L Di Muro, C Sturiale, M Meglio (Rome, IT)
- P34. DBS more effective than MCS in atypical trigeminal neuralgia – a case report**
Pawel Sokal, Marek Harat, Julita Gryz (Bydgoszcz, PL)
- P35. Spinal cord stimulation for refractory angina pectoris.**
Pawel Sokal, Marek Harat, Teresa Plekarz, Aleksandra Cuprych (Bydgoszcz, PL)
- P36. Motor cortex stimulation in the case of trigeminal neuralgia refractory to previous pharmacological and neurosurgical treatment.**
M. Sobstyl, M. Zabek, H. Koziara (Warsaw, PL)
- P37. Cyberknife Radiosurgery in Management of Recurrent Trigeminal Neuralgia**
Tae-Kyu Lee (Seoul, KR)
- P38. Transforaminal SNS in intractable isolated pelvic pain syndromes**
De Rose M., Lavano A., Grassi M., Abbate F., Volpentesta G., Signorelli C.D. (Cantazaro, IT)
- P39. Therapy resistant complex regional pain syndrome in adolescents may respond to spinal cord stimulation**
Meyerson BA, Linderoth B, Olsson G (Stockholm, SE)
- P40. Relation between territory of Trigeminal Neuralgia (TN) and location of the vascular compression (VC)**
José Leston, Marc Sindou (Lyon, FR)
- P41. Gamma Knife Radiosurgery to the Pituitary for Thalamic Pain Syndrome: clinical evaluation of our recent institutional series**
Motohiro Hayashi, Takaomi Taira, Taku Ochiai, Mikhail Chernov, Shinichi Goto, Kotaro Nakaya, Masahiro Izawa, Tomokatsu Hori, Kintomo Takakura (Tokyo, JP)
- P42. A new “arch – less “Stereotactic Device.**
Mazzone Paolo (Rome, IT)
- P43. Bilateral stimulation of the subthalamic nucleus using Fisher stereotactic frame, MRI-CT fusion guidance and peroperative orthogonal radiographs**
D. Fontaine, D. Von Langsdorff, M. Borg, C Bayreuther, MN., Magnié-Mauro, M Duval, P. Paquis.(Nice, FR)
- P44. The influence of CSF-filled cavities on radio-frequency lesions – a simulation study**
Johannes D. Johansson, Dan Loyd, Karin Wårdell and Joakim Wren (Linköping, SE)
- P45. Somatotopy in the GPI: analysis of motor side effects during intraoperative assessment in a parkinsonian**
J. Coste; S. Hemm; M Ulla; P Derost; F Caire; F Durif; JJ Lemaire (Clermont Ferrand, FR)
- P46. Anatomic and physiologic target for DBS in Parkinson Disease and Dystonia. Our experience on 75 patients.**
Conti C, Eleopra R, Rizzo G, Lettieri C, Brollo M, Quatrone R, Cavallo C, Trincia G. (Venezia, IT)

- P47. Dbs in Parkinson's disease with intraoperative multitraces neurophysiological monitoring: no increase of intraparenchymal complications.**
R. Donati, B. Ferraro, C. Foresti, O. Manara, A. Crocco, F. Biroli (Bergamo, IT)
- P48. Comparison between atlas based diagrams used for indirect STN targeting and STN templates determined directly on stereotactic MRI.**
F Caire, L Ouchchane, J Coste, P Derost, JJ Lemaire (Clermont Ferrand, FR)
- P49. Accuracy of stereotactic electrode placement in deep brain stimulation**
T. Fiegele, F. Sohm, R. Bauer, J.V. Anton, K. Twerdy, W. Eisner (Innsbruck, AT)
- P50. Subthalamic stimulation for Parkinson**
D. Lisii, G. Touzet, N. Reyns, M. Tyr, F. Cassim, D. Devos, P., Krystkowiak, L. Defebvre, A. Destée (Lille, FR)
- P51. Matching of microelectrode recording and MRI data for 3D target visualization in STN DBS surgery**
Peter Gemmar, Oliver Gronz, Frank Hertel, Christian Decker (Trier, DE)
- P52. Deep Brain Stimulation of The Subthalamic Nucleus in Patients with Parkinson's Disease.**
Alexey A. Tomskiy, Vladimir A. Shabalov, Ekaterina V. Bril, Natalia V., Fedorova, Svetlana B. Buklina (Moscow, RU).
- P53. Impact of surgical treatment on tremor due to posterior fossa tumors**
Thomas M. Kinfe, Hans-Hoger Capelle, Joachim K. Krauss (Hannover, DE)
- P54. Targeting the subthalamic nucleus for deep brain stimulation: Are intraoperative microrecordings necessary?**
E.J. Boviatsis, M.S. Themistocleous, A.T. Kouyialis, P. Stathis, G. Tagaris, T.I. Bouras, D.E. Sakas (Athens, GR)
- P55. Intracerebral Complication Avoidance in Microelectrode Guided Movement Disorders Surgery**
Jules M Nazzaro, Daniluk Slawomir, Dwight A Bramble, Peter Novak, and Samuel A Ellias (Boston, US)
- P56. Initial experience using DBS in Patras University Hospital in Greece.**
Constantine Constantoyannis, John Ellul, Vouli Salakou (Patras, GR)
- P57. Stereotactic stimulation and ablative procedures for therapy of movement disorders. Own experience.**
Stanislaw J. Kwiek, Gabriela Klodowska-Duda, Tomasz Wójcikiewicz, Wojciech Slusarczyk, Wojciech Kukier, Piotr Bazowski, Anna Zymon-Zagórska, Hanna Buszt_, Marek Konopka, Aldona Giec-Lorenz, Grzegorz Opala (Katowice, PL)
- P58. Visual evoked potentials in Parkinson's disease: subthalamic stimulation vs dopaminergic influence.**
RA Ricciuti, M Capecci, V Cardinali, F Saltarelli, VG Bombace, L Provinciali, MG Ceravolo, M Scerrati. (Ancona, IT)
- P59. Human Stereotaxis-MRI Methodology for Nonhuman Primate Research**
Antonio AF De Salles, Alessandra A Gorgulho, Goran Lacan, Eric J Behnke, Scott Krahl, William P Melega (Los Angeles, US)
- P60. Bilateral Ventro-oralis internus (Voi) stimulation for post-traumatic cervical dystonia**
Tae-Kyu Lee, Seung-ho Yang, Kwan-Sung Lee, Shin-Soo Jeun, Yong-Kil Hong, Moon-Chan Kim, Chun-Kun Park (Seoul, KR)

- P61. Control of Post-stroke Rubral tremor with Vim deep brain stimulation with microelectrode recording – Case report**
Tae-Kyu Lee; Seung-Ho Yang; Kwan-Sung Lee; Shin-Soo Jeun; Yong-Kil Hong; Moon-Chan Kim; Chun-Kun Park (Seoul, KR)
- P62. Anterior lobe of cerebellum as a target for deep stereotactic high frequency stimulation**
Galanda M., Horvath S. (Banska Bystrica, SK)
- P63. STN bursting Activity and application of acetylcholine in vitro.**
Heida T, Tiemens E, Marani E (Enschede, NL)
- P64. Pneumocephalus and its influence on the accuracy of deep brain stimulation in the region of the subthalamic nucleus**
Urgosik D, Jech R, Vymazal J, Ruzicka E (Prague, CZ)
- P65. The influence of subthalamic stimulation on acoustic analysis of speech in patients with Parkinson's disease**
Stockinger T, Kalteis K, Moosmüller S, Krispin-Exner I, Deutsch AW, Alesch F (Vienna, AT)

GENERAL INFORMATION

Venue

The ESSFN Congress takes place at the Montreux Convention Center
(Centre des Congrès de Montreux)
Grand-Rue 95
Montreux, Switzerland
tel : +41 21 962 21 05
fax : + 41 21 962 21 12

Access to congress

Registration badge is mandatory to access the congress

CME credits

Continuing medical education credits will be granted by the Swiss Neurosurgical Society.

Conference rooms

A : on exhibits level - for Plenary sessions and some parallel sessions
B and C : one level superior to Exhibits level, for parallel sessions

Speaker ready room

Located on registration level (follow the indications board)
All data for oral presentations need to be presented in digital format and downloaded on Congress computers at least one hour prior to the start of the session.

Scientific presentation are identified as follows :

First letter indicating the day (W,T,F,S)
First number indicating the session (1 in AM ; 2 early afternoon ; 3 late afternoon)
Second letter indicating the room (A,B,C)
Second number indicating the order of papers in one session
For example : T1A3, i.e. Thursday, session 1, room A, paper 3

Abstract publication

Selected abstracts for oral , oral poster and poster will be published in ACTA NEUROCHIRURGICA and available at the meeting to each participants

Poster location

Posters will be located by the Registration desk, and numbered according to their number in the final program.

On-site registration and information desk

Registration and information desk will be opened at the Montreux Convention Center on
WEDNESDAY 4th October 2006 from 8h00 to a 18h30 ;
THURSDAY (Oct 5) and FRIDAY (Oct 6) from 7h30 till 18h30 ;
SATURDAY (Oct 7), from 7h30 till 13h00

On-site Registration fees

Member 550 €

Non member 700 €

Trainee (junior) 350 €

Accompanying person 150 €

Gala Dinner on the Lake (reservation closed at 18:30 Thursday) 60 €

Secretariat

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Personal messages

Board will be available close to the Registration desk

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SOCIAL EVENTS

The details regarding the social events programme will be provided in a separate document

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ANS Advanced Neuromodulation System

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Carl Zeiss AG

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DIXI Microtechniques

Elekta Instrument AB

FHC GmbH

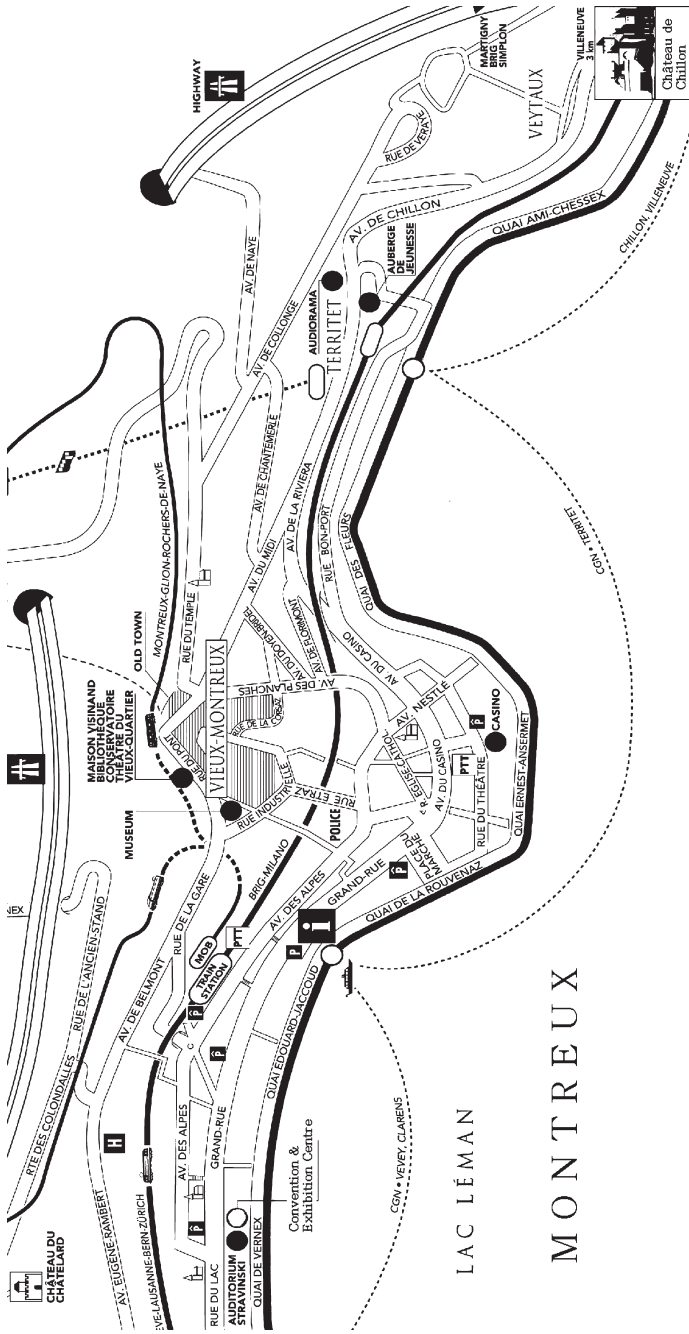
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