

XVIII Congress

of the
European Society for Stereotactic
and Functional Neurosurgery

ESSFN

Rimini, Italy
October 5-8
2008

www.essfn.org

PROGRAM

XVIII of the Congress European Society for Stereotactic and Functional Neurosurgery ESSFN

Rimini, Italy, October 5-8, 2008

Dear Friends and Colleagues,

It is a great pleasure and honour for me to host the 18th Meeting of the European Society for Stereotactic and Functional Neurosurgery and to welcome all of you to Rimini. I am proud as well that the Society's congress returns to Italy for the third time, after Milan in 1996 (under the chairmanship of Prof. Giovanni Broggi) and prior to that Rome in 1983 (under the chairmanship of Prof. Gianfranco Rossi). All Prof. Rossi's pupils who helped him to organise the 1983 meeting, Gabriella Colicchio, Mario Meglio and myself, have in the meantime developed their neurosurgical activity in different fields of functional neurosurgery, with enthusiasm and dedication, following the example and the lessons of their teacher. And now I am sure to echo my friend's thoughts in saying we will dedicate our efforts at this meeting to him.

The scientific program reflects altogether the impressive evolution of our discipline, which today plays an even more rising and relevant role in neurosurgery. Neuronavigation, brain mapping and radiosurgery are standards in current neurosurgical practice. From basic research to new technologies, functional and stereotactic neurosurgery has always encompassed several fields, thus boosting the co-operation of scientists of different disciplines. The main goal of our congress is to give a further opportunity to meet and to share new knowledge, personal experiences and future projects. Besides, the charming atmosphere of Rimini, with its mixture of history, art and entertainments, will definitely favour personal as well as scientific contacts. I can not close this welcome without mentioning the invaluable help of the Board of the Society, which has continuously assisted me in the preparation of this congress, the generous support of our sponsors and the excellent work of our Organizing Secretariat CSR congressi.

Massimo Scerrati

Chair, Organizing Committee

Honorary President

Gian Franco Rossi

Organizing Committee

Maurizio Iacoangeli
Alessandro Di Rienzo
Francesco Formica
Massimo Scerrati

Department of
Neurosurgery
Università Politecnica
delle Marche
Ospedali Riuniti
Via Conca
60020 Ancona Italy
Tel +39 071 5964578/74
Fax + 39 071 5964575
mscerrati@virgilio.it

ESSFN

Officers

President

Yves Lazorthes

Vice President

Giovanni Broggi

First Secretary

Joachim K. Krauss

Second Secretary

Damianos Sakas

Treasurer

Bart Nuttin



Under the auspices of

SiNch
SOCIETÀ ITALIANA
NEUROCHIRURGIA

12,00 Registrations opening

SYMPOSIA

SYMPOSIUM

DBS: THE PAST, THE PRESENT AND THE FUTURE

SESSION I - DBS for PD: Past, Present and Future

Chairmen: **G. Broggi** (Milan, Italy), **M. Hariz** (London, UK)

13,45 Introduction and welcome address
G. Broggi (Milan, Italy)

13,50 DBS for PD. Where have we been, where are we, and where are we heading?
P. Limousin (London, UK), **P. Krack** (Grenoble, France)

14,30 DBS in PPN. Indications, technique and results
A. Lozano (Toronto, Canada)

14,45 General discussion on DBS for PD

SESSION II - DBS State of the art, future directions for psycho affective disorders

Chairmen: **D. Sakas** (Athens, Greece), **M. Hariz** (London, UK)

15,00 DBS for psychiatric illness: the pendulum of history
M. Hariz (London, UK)

15,15 DBS in anterior internal capsule for OCD
B. Nuttin (Leuven, Belgium)

15,30 DBS in nucleus accumbens for OCD
R. Schuurman (Amsterdam, The Netherlands)

15,45 STN DBS for OCD
P. Krack (Grenoble, France)

16,00 DBS for Tourette syndrome; the Italian experience
M. Porta (Milan, Italy)

16,15 DBS for Tourette syndrome; the French experience
J. Houeto (Poitiers, France)

16,30 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

17,00 DBS for depression
A. Lozano (Toronto, Canada)

17,20 DBS in ventral capsule/ventral striatum for depression
D. Malone (Cleveland, USA)

17,40 General discussion on DBS in psychiatry

18,00 End of Session

19,00 **Welcome Reception with Danilo Rea**

**SYMPOSIUM
LOCO-REGIONAL THERAPY OF MALIGNANT BRAIN GLIOMAS**

Chairmen: **M. Scerrati** (Ancona, Italy), **J. Voges** (Köln, Germany)

14,00 **Lecture**
Perspectives on malignant glioma therapy
C.M. Carapella (Rome, Italy)

14,30 LOCO REGIONAL CHEMOTHERAPY
Rationale and indications
F. DiMeco (Milan, Italy)

14,50 Clinical application and results
M. Mehdorn (Kiel, Germany)

15,10 INTRACAVITARY BRACHYTHERAPY
Rationale and indications
M. Collice (Milan, Italy)

15,20 Clinical application and results
M. Mondani, M. Skrap (Udine, Italy)

15,30 Concluding remarks
S.M. Gaini (Milan, Italy)

Discussion

16,00 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

**SYMPOSIUM
VAGAL STIMULATION FOR EPILEPSY AND DEPRESSION**

Chairmen: **M. Scerrati** (Ancona, Italy), **G. Broggi** (Milan, Italy)

16,15 Rationale and Mechanism of Action
K. Vonck (Gent, Belgium)

16,35 EPILEPSY: experience in adults
P. Boon (Gent, Belgium)

16,50 EPILEPSY: experience in children
F. Rychlicki (Ancona, Italy)

17,10 Depression
M. Savino (Milan, Italy)

17,30 Discussion

SYMPOSIUM SO-CALLED "FAILED BACK SURGERY SYNDROME"

Chairmen: **J.K. Krauss** (Hannover, Germany), **M. Meglio** (Rome, Italy)

- 14,00 FBSS: what's behind a label?
J.K. Krauss (Hannover, Germany)
- 14,30 NON-FUSION TECHNIQUES
N. Specchia (Ancona, Italy)
- 15,00 FUSION TECHNIQUES
M.V. Gabl (Innsbruck, Austria)
- 15,30 SPINAL CORD STIMULATION
S. Blond (Lille, France)
- 16,00 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

SYMPOSIUM CONTROVERSIES IN RADIOSURGERY

Chairmen: **Y. Lazorthes** (Toulouse, France), **M. Levivier** (Bruxelles, Belgium)

- PETROCLIVAL MENINGIOMAS
- 16,15 Surgeon's opinion
F. Calbucci (Bologna, Italy)
- 16,20 Radiosurgery
J. Regis (Marseille, France)
- ORBITAL TUMOURS
- 16,35 Surgeon's opinion
R. Delfini (Rome, Italy)
- 16,40 Radiosurgery
L. Fariselli (Milan, Italy)
- BENIGN SPINAL TUMOURS
- 16,55 Surgeon's opinion
M. Meglio (Rome, Italy)
- 17,00 Radiosurgery
A. DeSalles (Los Angeles, USA)
- ARTEROVENOUS MALFORMATIONS
- 17,15 Surgeon's opinion
G. Maira (Rome, Italy)
- 17,20 Radiosurgery
F. Colombo (Vicenza, Italy)
- TRIGEMINAL NEURALGIA
- 17,35 Surgeon's opinion
G. Broggi (Milan, Italy)
- 17,40 Radiosurgery
M. Gerosa (Verona, Italy)
- 17,55 Conclusions
F. Tomasello (Messina, Italy)

08,30 **Opening Ceremony of the XVIII European Congress of the EUROPEAN SOCIETY FOR STEREOTACTIC NEUROSURGERY**

Yves Lazorthes, ESSFN President
Massimo Scerrati, Meeting Chairman

"Jean Talairach: experience from the past for the future"
S. Blond (Lille, France)

Plenary Session I

Chairmen: **Y. Lazorthes** (Toulouse, France), **M. Scerrati** (Ancona, Italy)

Invited Lectures

09,00 The history of deep brain stimulation: when the past meets the future
M. Hariz (London, UK)

09,30 Oscillatory activity in the basal ganglia
A. Kühn (Berlin, Germany)

10,00 The Future of Epilepsy Surgery
J. Schramm (Bonn, Germany)

10,30 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

11,00 **Oral Presentations and Oral Posters Session MOVEMENT DISORDERS I**

Chairmen: **F. Alesch** (Vienna, Austria), **M. Staal** (Groningen, The Netherlands)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Long-term follow-up after bilateral subthalamic DBS in a series of 73 consecutive parkinsonian patients
A. Landi, F. Vergani, R. Cilia, D. Pirillo, A. Antonini, E.P. Sganzerla (Milan, Italy)

Long term follow-up in patients treated with subthalamic DBS for Parkinson Disease: a target localization study
S. Sarubbo, M.C. Sensi, R. Quatralo, R. Eleopra, E. Fainardi, M.A. Cavallo (Mestre VE, Italy)

Bilateral subthalamic nucleus stimulation in advanced Parkinson's disease: five years follow-up
M. Capecchi, R.A. Ricciuti, V.G. Bombace, L. Provinciali, M. Scerrati, M.G. Ceravolo (Ancona, Italy)

Deep Brain Stimulation of the Globus Pallidus for Parkinson Disease – Clinical Results and Response of Pallidal Neurons after Intraoperative Stimulation of the Primary Motor Cortex
T. Itakura, M. Ogura, H. Nishibayashi, N. Nakao (Kimiidera, Wakayama, Japan)

Extradural motor cortex stimulation (MCS) in advanced Parkinson's disease (PD): results of the study group of the Italian Society of Neurosurgery
A. Lavano, B. Cioni, C. Sturiale, A. Landi, M. Romanelli, A. Dario, M. Cavallo, M. De Rose, M. Meglio, S. Zeme, C.A. Pagni (Catanzaro, Rome, Bologna, Monza, Pozzilli IS, Ferrara, Turin, Italy)

Motor cortex stimulation for Parkinson's disease
A prospective double-blind randomized study with cross-over. Ongoing clinical trial
B. Cioni, A.R. Bentivoglio, A. Daniele, C. De Simone, A. Fasano, C. Piano, M. Zinno, M. Meglio (Rome, Italy)

Motor cortex stimulation in advanced Parkinson's Disease and Dopamine Transporter imaging: a follow-up study
D. Di Giuda, M.L. Calcagni, M. Totaro, B. Cioni, A. Bentivoglio, I. Bruno, D. Mattioli, M. Meglio, A. Giordano (Rome, Italy)

Oral Posters (OP) (5 minutes presentation, 3 slides)

- OP001** Improvements of Motor dysfunctions after bilateral subthalamic nucleus stimulation for Patients with advanced Parkinson disease
Shang-Ming Chiou (Taichung, Taiwan)
- OP002** Cognitive effects of extradural motor cortex stimulation (MCS)
M. Zinno, B. Cioni, A.R. Bentivoglio, C. DeSimone, A. Fasano, C. Piano, F.M. Meglio, A. Daniele (Rome, Italy)
- OP003** Position of Activated Electrode Contacts and their Correlation to Anatomical Structures in Deep Brain Stimulation of the Subthalamic Nucleus for Treatment of Advanced Parkinsons Disease
W. Eisner, T. Fiegele, F. Sohm, F. Primavesi, E. Wolf, J. Müller, R. Bauer, W. Poewe (Innsbruck, Austria)
- OP004** Deep brain stimulation of the subthalamical nucleus in Parkinson disease: what are the cognitive effects?
E. Karner, E. Wolf, G. Wenning, W. Eisner, M. Delazer, W. Poewe, T. Benke (Innsbruck, Austria)
- OP005** Surgical complications in deep brain stimulation of the subthalamic nucleus for Parkinson's disease. Experience from a single centre
C. Fronza, P.P. Panciani, L. Lopiano, M. Zibetti, A. Ducati, M. Lanotte (Turin, Italy)
- OP006** Side-effects of DBS in the posterior subthalamic area
A. Fytagoridis, P. Blomstedt (Umeå, Sweden)
- OP007** Psychiatric evaluation of patients with Parkinson's disease, candidates to deep brain stimulation: results of a case-control study
E. Giampieri, M. Beghi, E. Paggi, E. Mason, C. Scialò, A. Landi, F. Vergani, I. Carta, C.M. Cornaggia, S.M. Gaini, E.P. Sganzerla (Monza MI, Italy)

13,00 Lunch

13,00 ESSFN Lunch Executive Committee Meeting

14,00 **Oral Presentations and Oral Poster Session**
CLUSTER HEADACHE

Chairmen: **G. Broggi** (Milan, Italy), **Y. Lazorthes** (Toulouse, France)

Oral Presentations (15 minutes: 12 minutes presentation + 3 minutes discussion)

Sustained blood pressure changes with periventricular grey but not posterior hypothalamic deep brain stimulation
E.A.C. Pereira, T. Dobbs, M.L. Kringelbach, D.J. Paterson, T.Z. Aziz, A.L. Green (Oxford, UK)

Anatomical location of effective contacts in patients with chronic cluster headache treated by deep brain stimulation
D. Fontaine, M. Lanteri-Minet, Y. Lazorthes, P. Mertens, S. Blond, J.J. Lemaire (Nice, Toulouse, Lyon, Lille, Clermont-Ferrand)

Hypothalamic deep brain stimulation for chronic cluster headache: results of a pluricentric controlled study
Y. Lazorthes, D. Fontaine, S. Blond, P. Mertens, J-CH. Sol, N. Fabre, M. Lanteri-Minet (Toulouse, Nice, Lille, Lyon, France)

Occipital nerve stimulation in the treatment of chronic cluster headache
R. Rodríguez, J. Molet, C. Roig, F. Muñoz, F. Bartumeus (Barcelona, Spain)

Hypothalamic deep brain stimulation for refractory cluster headache: microelectrode recordings
J.K. Krauss, T. Bartsch, F. Steigerwald, F.M.O. Pinsker, T.M. Kinfe, H.M. Mehdorn, V. Tronnier, H.H. Capelle, G. Deuschl, J. Volkmann (Hannover, Kiel and Lübeck, Germany)

Treatment of chronic cluster headache by stimulation of the postero-medial hypothalamus
A. Franzini, M. Leone, G. Messina, R. Cordella, C. Marras, G. Bussone, G. Broggi (Milan, Italy)

Oral Poster (5 minutes presentation, 3 slides)

OP008 Deep brain stimulation in a patient suffering from short-lasting unilateral neuralgiform headache attacks with conjunctival injection and tearing (SUNCT) and right sided essential tremor: a case report
A.K. Jetzer, A. Kaelin-Lang, T. Lönnfors-Weitzel, A. Stibal (Berne, Switzerland)

16,00 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

16,30 **Oral Presentations and Oral Posters Session**
EPILEPSY II and MONITORING

Chairmen: **M. Manrique** (Pamplona, Spain), **A.J. Gonçalves Ferreira** (Lisbon, Portugal)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Drug-resistant extratemporal lobe epilepsy
V. Esposito, S. Paolini, T. Vangelista, R. Morace, S. Tola, S. Bistazzoni, P.P. Quarato, G. Di Gennaro, A. Sparano, A. Mascia, G.P. Cantore (Rome, Pozzilli IS, Perugia, Italy)

Results of epilepsy surgery in children and predictors of outcome on seizures
M. Cossu, F. Cardinale, L. Castana, I. Sartori, L. Nobili, A. Citterio, M. Bramerio, G. Lo Russo (Milan, Italy)

Long Term Surgical Outcome in Patients Undergoing Surgery for Focal Cortical Displasia
K.N. Fountas, J.R. Smith (Larisa, Greece; Augusta, GA, USA)

Experience with Neuronavigation Assisted Surgery for Focal Epilepsya
I. Aksiks, R. Sverzickis, J. Slezins (Riga, Latvia)

Cortical disconnective procedures for epilepsy surgery
G. Lo Russo, L. Castana, L. Tassi, F. Cardinale, S. Francione, N. Colombo, C. Galli, M. Cossu, A.L. Benabid (Milan, Italy)

Peri-insular hemispherotomy: surgical procedures and clinical outcomes in a population of 16 patients
C. Marras, T. Granata, P. Ferroli, F. Villani, A. Franzini, S. Dylgjeri, R. Spreafico, G. Broggi (Milan, Italy)

Subclinical Abnormal Gyration Pattern in " MR negative " frontal lobe epileptic patients
J. Régis, M. Tamura, D. Rivière, O. Coulon, F. Bartolomei, N. Girard, A. McGonigal, P. Chauvel, J.F. Mangin (Marseille, SaclayOrsay, France)

Long Term efficacy of Gamma Knife Radiosurgery in Mesial Temporal Lobe epilepsy
J. Régis, F. Bartolomei, M. Hayashi, M. Tamuré, M. Rey, P. Chauvel (Marseille, France)

Neurophysiological exploration of the motor speech areas: possibility of mapping the Broca area under general anaesthesia?
B. Cioni, V. Deletis, G. Colicchio, C. De Simone, F. Papacci, G. Paternoster, D. Policicchio, A. Scarano, S. Ulkatan, M. Meglio (Rome, Italy; New York, USA)

Supplementary Motor Area (SMA) connectivity revealed by subcortical mapping and DTI FT findings
L. Bello, E. Fava, A. Castellano, G. Bertani, S.M. Gaini, A. Falini (Milan, Italy)

Language and cerebral networks: lessons from cortical and subcortical brain mapping during awake surgery and tractography
C. Brogna, M. Salvati, A. D'Elia, E. Arcovio, M. Cimatti, M.M. Cacioppo, A. Santoro, R. Delfini (Rome, Italy)

Epilepsy surgery in France. Activity and current results
B. Devaux, F. Chassoux, and participating centers (Bordeaux, Lyon, Rennes, Marseille, Paris-Necker, Nancy, Paris-Rothschild, Toulouse, Strasbourg, Tours, Lille, Rouen, Paris-Bicêtre, Paris-Salpêtrière, Grenoble, Montpellier, France)

Monday, October 6

Oral Posters (5 minutes presentation, 3 slides)

OP009 Multiple stereotactic thermocoagulations: an alternative to surgical resection for intractable partial epilepsy. Technique and preliminary results
B. Devaux, B. Turak, F. Chassoux, E. Landré, S. Rodrigo, F.-X. Roux (Paris, France)

OP009 bis Intraoperative mapping of a left parietal region whose stimulation induced writing arrest
L. Magrassi, I. Chiaranda, M. Minelli, H.F. Pesantez Orellana, M. Berardesca, D. Bongetta, C. Arienta (Pavia, Italy)

19,00 End of Sessions

20,00 President's dinner

LEONARDO ROOM

MEUCCI / GALVANI ROOM

LUMIERE / STEVENSON ROOM

11,00 Oral Presentations Session and Oral Poster Session
NEUROTRANSPLANTATION

Chairmen: **G. Nikkhah** (Freiburg, Germany), **J. Bloch** (Lausanne, Switzerland)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Clinical-neurophysiological correlations during the stereotaxic injection of the neuroinduced stromal autologous cells in parkinson patients

V. Sipitiy, V. Pyatikop, I. Kutovoy, Y. Babalyan, E. Shsegelskaya, Y. Mikulinskiy (Kharkov, Ukraine)

Primate adult brain cell autotransplantation in parkinsonian MPTP monkey model

J. Bloch, A. Baylon, M. Kaeser, D.E. Redmond, M. Levivier, J.-F. Brunet (Lausanne, Fribourg, Switzerland; New Haven, USA)

Long-term motor benefit induced by striatal carotid body graft is not due to graft-induced modification in the nigral cells activity

M. Manrique, W. San Sebastian, S. Belzunegui, J. Guillén, A. Izal-Azcárate, P. Garrido-Gil M. Vázquez-Claverie, B. López, I. Marcilla, M.R. Luquin (Pamplona, Spain)

Human fetal striatal transplantation in Huntington's disease. The Italian clinical trial at the University of Florence

P. Gallina, M. Paganini, L. Lombardini, A. Di Rita, M. Capozza, D. Girdali, E. Bertini, C. Mechi S. Urbani, M. Marini, E. Sarchielli, M.T. De Cristofaro, C. Pandolfo, S. Piacentini, M. Campolo, G.B. Vannelli, N. Di Lorenzo (Florence, Italy)

Fetal striatal grafts in a Huntington's disease patient – early developmental aspects of neurogenesis, ongoing mitosis, beginning maturation and integration six months posttransplantation

G. Nikkhah, R. Knoth, J. Maciaczyk, G. Pantazis, M. Ditter, L. Bokla, G.B. Landwehrmeyer, B. Volk, P. Capetian (Freiburg, Ulm, Germany)

Stereotactically implanted encapsulated cell producing NGF in patients with Alzheimer's disease – Initial results from a Phase 1b study

Wahlberg L.U., Eriksdotter-Jönhagen M., Lind G., Almqvist P.M., Linderoth B. (Ballerup, Denmark; Stockholm, Sweden)

Use of biomaterials to reconstruct brain neural aggregates and axonal projections in experimental models

J.A. Barcia, U. Gómez-Pinedo, S. Vidueira, C. Martínez, R. Prieto, A. Moreno, J. Matías-Guiu, P. Simal, J.M. Soria, M. Monleón, J.-M. García-Verdugo (Madrid and Valencia, Spain)

A Phase I Clinical Trial for Parkinson's Disease Using ProSavin®, a Lentiviral Vector Delivering the Genes for Dopamine Biosynthesis

B. Jarraya, H. Lepetit, S. Ralph, J.M. Gurruchaga, S. Lavisse, A. Kass, G. Fenelon, S. Boulet, C. Jan, J.P. Lefaucheur, X. Drouot, E. Stratful, J.E. Miskin, P. Hantraye, P. Remy, S.M. Kingsman, M. McDonald, K.A. Mitrophanous, S. Palfi (Oxford, UK; Orsay Cedex, Créteil, France)

Oral Poster (5 minutes presentation, 3 slides)

OP009 Use of Stem Cells on Neurological Diseases (Cerebral Infarct)

ter Martínez Silva B., Lucino-Castillo Rueda J., Zarate Méndez A., Hernández Salazar M., Garcia S., Ramirez Wakamautsu A., Alvarado Ibarra M., Tellez Lozano J.L., Ramirez Gonzalez B., Hernandez Cervantes J., Meza Davalos E., Martinez Silva J.C., Ortiz Rosillo A.C. (Mexico City, Mexico)

13,00 Lunch

14,00 Oral Presentations and Oral Posters Session
EPILEPSY I

Chairmen: **K.D. Post** (New York, USA), **G. Lorusso** (Milan, Italy)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Continuous EEG-fMRI in patients with partial epilepsy and focal interictal slow-wave discharges on EEG

M. Avesani, E. Formaggio, R. Cerini, F. Milanese, A. Gasparini, L.G. Bongiovanni, S.F. Storti, R. Pozzi Mucelli, A. Fiaschi, P. Manganotti (Verona, Italy)

Localising value of pharmacologically provoked ictal spet in epilepsy surgery
C. Barba, D. Di Giuda, F. Fuggetta, L. Bellesi, G. Colicchio (Florence, Rome, Italy)

Two-stage intracranial electroencephalography (iEEG) for the localization of the epileptogenic foci in extra-temporal epilepsy
T. Bouras, S. Gatzonis, N. Georgakoulias, I.G. Panourias, A. Siatouni, C. Anagnostopoulos, C. Tsekou, D.E. Sakas (Athens, Greece)

Optimization of parameters of high frequency amygdalo-hippocampal stimulation in non-lesional, mesial temporal lobe epilepsy, from stereotactic EEG interictal discharges
C. Boëx, E. Pralong, R. Tyrand, L. Spinelli, G. Foletti, S. Vulliémot, D. Debatisse, A.O. Rossetti, M. Seeck, C. Pollo (Geneva and Lausanne, Switzerland)

Cognitive effects of hippocampal DBS for refractory temporal lobe epilepsy
D. Van Roost, M. Miatton, E. Thiery, K. Vonck, P. Boon, G. Vingerhoets (Ghent, Belgium)

Deep brain stimulation for refractory non-resectable epilepsy. Prerequisite for validation and preliminary results of two unconventional targets
A. Franzini, C. Marras, G. Messina, G. Tringali, R. Spreafico, G. Broggi (Milan Italy)

Vagal nerve stimulation in drug resistant epileptic patients: three years follow-up study for different ages and aetiologies
G. Colicchio, E. Cesaroni, F. Fuggetta, M. Meglio, F. Papacci, G. Paternoster, D. Policicchio, F. Rychlicki, M. Scerrati, N. Zamponi (Rome, Ancona Italia)

Vagal Nerve Stimulation (VNS) for intractable epilepsy associated with Tuberous Sclerosis Complex: an italian experience
E. Cesaroni, N. Zamponi, F. Rychlicki, R. Trignani, F. Giordano, L. Genitori, D. Grioni (Ancona, Firenze, Monza MI, Italy)

Oral Posters (5 minutes presentation, 3 slides)

- OP010** Cerebrospinal Fluid Shunting Procedures in Treatment for Epilepsy
W.A. Khachatryan, K.A. Samochnykh, A.V. Kim (Saint-Petersburg, Russia)
- OP011** Surgical complication of vns esplant/reimplant in children treated with single cervical incision
F. Rychlicki, N. Zamponi, R. Trignani (Ancona, Italy)
- OP012** Complications of invasive subdural and depth electrode in monitoring for epilepsy surgery in centers of Argentina
M.M. Galán, M. Aberastury, G. Agosta, S. Kochen, M. Garcia, C. Maxit, M. Kitroser, F. Landriel, S. Hem, R. Rey, W. Silva, C. Ciruolo (Argentina)
- OP013** Chronic bilateral subthalamic stimulation in drug-resistant epilepsy: long-term clinical and functional outcome
M. Capecci, R.A. Ricciuti, A. Paggi, A. Ortenzi, L. Provinciali, M.G. Ceravolo, M. Scerrati (Ancona, Italy)
- OP014** Chronic high-frequency deep-brain stimulation in progressive myoclonic epilepsy of adulthood – report of 5 cases
J. Vesper, B.J. Steinhoff, A.M. Staack, S. Bilic, Wille C (Kehl-Kork, Duesseldorf, Germany)

16,00 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

16,30 Oral Presentations and Oral Posters Session **MOVEMENT DISORDERS II**

Chairmen: **J.K. Krauss** (Hannover, Germany), **F. Velasco Campos** (Mexico D.F., Mexico)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Deep brain stimulation for Parkinson's disease - Report on the active contact positions
Erik L. Johnsen, Karen Østergaard, Niels Aa. Sunde (Aarhus, Denmark)

Electrical Stimulation of Prelemniscal Radiations In The Treatment of Parkinsons Disease
F.C. Velasco Campos, (Mexico DF, Mexico)

The Targeting of Nucleus Tegmenti Pedunculo-pontini (PPTg) is another stereotactic surgery
P. Mazzone, S. Sposato, E. Scarnati, V. Di Lazzaro, G. Della Marca (Rome, L'Aquila, Italy)

Deep brain stimulation in the posterior subthalamic area in the treatment of tremor
P. Blomstedt, U. Sandvik, A. Fytagoridis, L.-O. Koskinen, M. Hariz, S. Tisch (Umeå, Sweden, London, UK, Sydney, Australia)

SCS in treatment of cerebral palsy – when can be used
A.V. Dekopov, V.A. Shabalov, E.M. Troshina (Moscow, Russia)

The chronic SCS in treatment of spinal spasticity
V.A. Shabalov, A.V. Dekopov, A.A. Tomskiy, E.D. Isagulyan (Moscow, Russia)

Intrathecal baclofen therapy in the management of severe spasticity of cerebral or spinal origin: a case series of 84 patients from a single Neurosurgical Unit
I.G. Panourias, E. Boviatsis, M. Themistocleous, V. Konofaou, T.I. Bouras, T.N. Flaskas, L. Stavrinou, S. Gatzonis, D.E. Sakas (Athens, Greece)

Surgical management of Parkinsonian and essential tremor with deep brain stimulation of the prelemniscal radiation
J. Espinosa, G.J. Arango (Bogota, Colombia)

Oral Posters (5 minutes presentation, 3 slides)

- OP015** Thalamic stimulation for tremor: could target determination be improved?
C. Karachi, H. Belaid, M.-L. Welter, D. Galanaud, D. Grabli, S. Derrey, E. Bardinet, J. Yelnik, P. Cornu (Paris, France)
- OP016** Effect of deep brain stimulation on speech in patients with Parkinson's disease
I. Papathanasiou, A. Protopapas, G. Deligiorgi, A. Lolakidi, D. Kasselimis, S.M. Themistocleous, P. Stathis, E.J. Boviatsis, D.E. Sakas (Patras, Athens, Crete, Greece)
- OP017** Baclofen intratecal with pump of infusion ARCHIMEDES for the treatment of spasticity
F. Knezevich, M. Kitroser, F. Landriel, S. Hem, J. Muntadas, D. Bauzo, W. Silva, J. Peralta, C. Circolo (Buenos Aires, Argentina)
- OP018** Evaluation of deep cerebellar stimulation in spasticity in cases of CP
M. Harat, K. Radziszewski, M. Ruda, M. Oko, M. Galanda (Banska Bystrica, Slovakia)
- OP019** Comparison of globus pallidus neuronal activity recorded before and four years after DBS implantation
E. Pralong, C. Pollo, J.G. Villemure, M. Levivier, D. Debatisse (Lausanne, Switzerland)
- OP020** Deep brain stimulation of the subthalamic nucleus. Active contact's coordinates acquisition and anatomical localization
C. Serra, P. Picozzi, M.A. Volontè, A. Franzin, A. Vimercati, P. Mortini (Milan, Italy)
- OP021** Gamma Knife Radiosurgery for disabling tremor: About a series of 10 patients
J. Régis, T. Witjas, Y. Arkha, S. Yomo, D. Porcheron, J.C. Peragut, J.Ph. Azulay (Marseille, France)
- OP022** CyberKnife Radiosurgery for movement disorders. A new perspective. Report of two cases
M. Marchetti, G. Messina, E. Forapani, C. Marras, A. Franzini, I. Milanese, M. De Santis, L. Brait, L. Fariselli, G. Broggi (Milan, Italy)
- OP023** The development of stereotactic procedures in the posterior subthalamic area in the treatment of movement disorders
P. Blomstedt, U. Sandvik, A. Fytagoridis (Umeå, Sweden)
- OP024** Evaluation of brain damage during movement disorders surgery with the utilization of the S100b protein
M.S. Themistocleous, E.J. Boviatsis, P. Stathis, A.T. Kouyialis, C. Psachoulia, G. Tagaris, D.E. Sakas (Athens, Greece)

08,30 Oral Presentations and Oral Posters Session
MOVEMENT DISORDERS III

Chairmen: **T. Aziz** (Oxford, UK), **A. Franzini** (Milan, Italy)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Bilateral deep brain stimulation for primary cervical dystonia: Long term follow up in a series of ten patients

F. Cacciola, J.O. Farah, P. Byrne, A. Duffy, P.R. Eldridge, T.K. Varma (Liverpool, UK)

Three years follow-up in GPi deep brain stimulation for primary segmental dystonia

S. Sarubbo, R. Schivalocchi, R. Quatralo, M.C. Sensi, R. Eleopra, S. Biguzzi, E. Fainardi, M.A. Cavallo (Ferrara, Mestre)

Clinical course of dyt1 dystonia patients treated with deep brain stimulation: a three to ten year follow-up study

L. Cif, X. Vasques, S. Gavarini, P. Ravel, V. Gonzalez, B. Biolsi, G. Collod-Beroud, S. Tuffery-Giraud, P. Coubes (Montpellier, France)

Outcome of secondary Dystonia after DBS surgery

P. Katsakiori, Z. Kefalopoulou, E. Markaki, J. Ellul, E. Chroni, G. Kagadis, C. Constantoyannis (Patras, Greece)

Long-term follow-up of pallidal stimulation in childhood onset dystonia

C. Marras C, Franzini A, Zorzi G, Nardocci N, Tringali G, Messina G, Cordella R, Broggi G (Milan, Italy)

Chronic deep brain stimulation in segmental dystonia: significant improvement of head and neck mobility showed by computerized motion analysis

Blahak C, Baezner H, Capelle HH, Wöhrle H, Hennerici MG and Krauss JK (Mannheim; Hannover, Germany)

Long-term safety and efficacy of early chronic Globus pallidus internus (Gpi) -stimulation in paediatric patients suffering from intractable generalized primary dystonia

Mehrkens JH, Heinen F, Borggräfe I, Bötzel K (Munich, Germany)

Oral Posters (5 minutes presentation, 3 slides)

OP025 Chronic deep brain stimulation for tardive dystonia in patients without a history of major psychosis
Hans-Holger Capelle, Christoph Schrader, Christian Blahak, Thomas Kinfe, Hansjoerg Baezner, Reinhard Dengler and Joachim K. Krauss (Hannover, Mannheim, Germany)

OP026 A SPECT study on two patients with secondary Dystonia treated by GPi DBS
A. Paschali, Z. Kefalopoulou, E. Markaki, P. Vassilakos, C. Constantoyannis (Patras, Greece)

OP027 Deep Brain Stimulation of Subthalamic Nucleus (STN) for Generalized Dystonia in GM1 type 3 Gangliosidosis (GM1-3g)
Navarro Ms, Roze E, Pidoux B, Galanaud D, Vidailhet M, Cornu Ph. (Paris, France)

OP028 Bilateral thalamus-subthalamic deep brain stimulation for generalized dystonia as a target option after bilateral pallidotomy
Fonoff ET, Mandell MB, Alencar F, Lara NJ, MJ Teixeira (São Paulo, Brazil)

OP029 Secondary generalized dystonia treated with pallidal deep brain stimulation
Tomasz Mandat, Bogdan Brodacki, Radoslaw Manowiec, Henryk Koziara, Pawel Nauman, Wieslaw Bonicki (Warsaw, Poland)

OP030 Significant therapeutic effect of chronic Globus pallidus internus stimulation on dystonic dysphonia accompanying Torticollis
Mehrkens J.H., Jousen K., Bötzel K. (Munich, Germany)

OP031 Bilateral DBS GPI in treatment of dystonia
V.A. Shabalov, A.A. Tomskiy, E.D. Isagulyan, A.V. Dekopov (Moscow Russia)

10,30 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
 POSTERS VIEWING - VERDE ROOM

Plenary Session II

Invited Lectures

Chairmen: **M. Hariz** (London, UK), **J.K. Krauss** (Hannover, Germany)

11,00 Brain machine interfaces
G.M. Friehs (Providence, USA)

11,30 Spinal radiosurgery
F.C. Henderson (Washington, USA)

12,00 ESSFN Research Grant Report
J-Ch. Sol (Toulouse, France)

12,15 General Assembly ESSFN

13,00 *Lunch*
 14,00

13,00 *WSSFN Lunch Meeting*
 14,00

14,00 **Oral Presentations and Oral Posters Session**
PAIN I

Chairmen: **A. Savas** (Ankara, Turkey), **I.G. Panourias** (Athens, Greece)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Prediction of results of motor cortex stimulation in treatment of brachial plexus avulsion pain by transcranial magnetic stimulation
MJ Teixeira, ET Fonoff, F Macri, H Picarelli, TY Lin, MA Marcolin (São Paulo, Brazil)

Effects of motor cortex stimulation on thalamic and pag neurons: possible pathways for antinociception
Fonoff ET, Pagano R, Camargo L, Ballester G, Teixeira MJ (São Paulo, Brazil)

CyberKnife radiosurgery as a first treatment for idiopathic trigeminal neuralgia
Marchetti M, Marras C, De Santis M, Milanesi I, Bergantin A, Broggi G, Fariselli L (Milan, Italy)

Gamma Knife Radiosurgery for secondary/symptomatic trigeminal neuralgia.
M. Longhi, A. Nicolato, F. Lupidi, R. Foroni, G.K. Ricciardi, M. Ganau, A. De Simone, A. Beltramello, M. Gerosa (Verona, Italy)

Stereotactic radiosurgery for drug-resistant idiopathic trigeminal neuralgia
Jch Sol, Y. Lazorthes, B. Debono, Fl. Loubes, P.Y. Borius, Ja. Lotterie, P. Duthil, I. Latorzeff (Toulouse, France)

Antidromical trigeminal nerve rootlets stimulation for intraoperative monitoring during radiofrequency-thermorhizotomy
Bendersky Mariana, Kitroser Martín, Landriel Federico, Hem Santiago, Peña Lucila, Muntadas Javier, Carlos Ciruolo (Buenos Aires, Argentina)

The Long Term Outcome of Microvascular Decompression for Trigeminal Neuralgia
Sarsam Z, Nurmikko TJ, Eldridge PR, Varma TRK (Liverpool, UK)

Deep brain stimulation for central post-stroke pain – relating outcomes and stimulation parameters in 21 patients
Erlick AC Pereira, Liz Moir, Charlotte McIntyre, Alexander L Green, Tipu Z Aziz (Oxford, UK)

Oral Posters (5 minutes presentation, 3 slides)

- OP032** Refractory pain in patients with thalamic involvement. Results obtained by motor cortex stimulation (MCS)
Mondani M., D'Auria S., Ius T., Pauletto G., Budai R., Maieron M., Weiss L., Tomasino B., Fadiga L., Skrap M. (Udine, Genova, Pordenone, Ferrara, Italy)
- OP033** Motor cortex stimulation (MCS) for pain: intraoperative identification of optimal electrode position
Cioni B, Colicchio G, De Simone C, Papacci F, Paternoster G, Perotti V, Policicchio D, Meglio M (Rome, Italy)
- OP034** Motor Cortex Stimulation (MCS) in treatment of central pain syndromes
V.A. Shabalov, E.D. Isagulyan, A.A. Tomskiy (Moscow, Russia)
- OP035** Microsurgical lesion of the trigeminal root entry zone (TREZL) for trigeminal neuralgia (TN) without neurovascular conflict
Andrea Brunori, Natale Russo, Alberto Delitala (Rome, Italy)

16,00 *Coffee break* - EXHIBIT HALL
POSTERS VIEWING - VERDE ROOM

16,30 Oral Presentations and Oral Posters Session **MOVEMENT DISORDERS V**

Chairmen: **D. Sakas** (Athens, Greece), **V. Shabalov** (Moscow, Russia)

Oral Presentation (20 minutes: 15 minutes presentation + 5 minutes discussion)

Neurosurgery in a high-tech era, is there still a place for old tricks and knowledge?
Knut Wester (Bergen, Norway)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

3 tesla MRI localization of subthalamic nucleus: preliminary experience of Verona's DBS group
M. Longhi, G. Ricciardi, G. Tommasi, A. Nicolato, F. Lupidi, R. Foroni, M. Ganau, E. Fincati, S. Ottaviani, L. Bertolasi, A. Beltramello, M. Tinazzi, G. Moretto, M. Gerosa (Verona, Italy)

Improved identification of DBS targets using 7 Tesla MR imaging
A.L.J. van Hulzen, J.M. Hoogduin, P. Luijten, M.J. Staal (Groningen, Utrecht, the Netherlands)

MRI localization of the pedunculopontine nucleus: defining atlas-based coordinates and anatomical variabilità
L. Zrinzo, L.V. Zrinzo, S. Tisch, P. Dowsey Limousin, T.A. Yousry, F. Afshar, M.I. Hariz (London, UK, Msida, Malta, Umeå, Sweden)

Frameless Stereotactic System (NexFrame TM system) for implantation of Deep Brain Stimulation leads. The Walton Centre experience
Jibril Osman Farah, Patricia Byrne, Francesco Cacciola, TRK Varma, PR Eldridge (Liverpool, UK)

Is STN DBS as effective when performed under controlled general anesthesia? A prospective series of 138 patients with long term follow up
Tatiana Witjas, Jean Philippe Azulay, Marianne Sethian, Christelle Chabot, François Viallet, Jean Claude Pèragut, Jean Régis (Marseille, France)

Three-dimensional Microanatomical Details of the Subthalamic Nucleus Based on High-Resolution 3 Tesla MRI
M. Efkan Colpan, Sabri Aydin, Paula Eboli, Konstantin V. Slavin (Chicago, USA)

Oral Posters (5 minutes presentation, 3 slides)

- OP036** Voltage steering to control deep brain stimulation-induced speech deficits
Mattias Åström, Elina Tripoliti, Ludvic U. Zrinzo, Irene Martinez-Torres, Patricia Limousin, Marwan I. Hariz, Karin Wårdell (Linköping, Sweden, London, UK, Umeå, Sweden)

OP037 Functional mapping of the human mesencephalic locomotor region based on extracellular recording and microstimulation
S. Chabardès, B. Piallat, L. Goetz, N. Torres, E. Seigneuret, M. Feraye, B. Debu, V. Fraix, P. Krack, P. Pollak, AL. Benabid (Grenoble, France)

OP038 Accuracy of deep brain stimulation electrode placement
Fiegele T, Sohm F, Feuchtner G, Primavesi F, Bauer R, Anton JV, Eisner W (Innsbruck, Austria)

OP039 Potential Use of Diffusion Tensor Imaging and Probabilistic Tractography as an Aid to Target planning in Functional Neurosurgery
Sarah L.F Owen, Morten L. Kringelbach, Alexander L. Green, John F. Stein, Tipu Z. Aziz (Oxford, UK)

OP040 Three steps for "fine tuning" the final placement of the Deep Brain Stimulation (DBS) lead in the subthalamic nucleus (STN)
Marios S. Themistocleous, Efstathios J. Boviatsis, Pantelis Stathis, George Tagaris, Lampis Stavrinou, Damianos E. Sakas (Athens, Greece)

OP040 bis Bipallidal Stimulation Improves Glottal Closure in the Dysphonia of Parkinson's Disease: Case Report with Videographic Documentation
Taub E, Merlo A, Fuhr P, Storck C (Basel, Switzerland)

18,30 End of Sessions

20,00 *Social Dinner*

08,30 Oral Presentations and Oral Posters Session **NEURONAVIGATION**

Chairmen: **J. Voges** (Köln, Germany), **M. Harat** (Bydgoszcz, Poland)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Evaluation of neuronavigation with integrated fiber tracking of the pyramidal tract
MB Glaser, L Poetini, P Grunert, PR Dellani, C Weibrich, P Stoeter (Mainz, Germany)

Combined electric impedance and optical diffuse reflectance measurements for navigation aid in deep brain surgery

Johannes Johansson, Patric Blomstedt, Neda Haj-Hosseini, A. Tommy Bergenheim, Marwan. I. Hariz, Ola Eriksson, Karin Wårdell (Linköping, Umeå, Sweden; London, UK)

Identification rate of red nuclei in regular MRI screening

Hung-Lin Lin, Yu-Chien Lo, Shang-Ming Chiou (Taichung, Taiwan)

Neuronavigation versus non neuronavigation assistance in treatment of cerebral astrocytomas and metastases – comparison of clinical outcome

Rodrigo Sverzickis, Igors Aksiks (Riga, Latvia)

Virtual reality in the assessment of cortex electrodes placement. Experience on 9 cases

Tringali G, Cordella R, Marras C, Ferroli P, Franzini A, Broggi G (Milan, Italy)

Oral Posters (5 minutes presentation, 3 slides)

OP041 Safety and reliability of frameless stereotactic biopsy in supratentorial cerebral lesions. Experience with 42 cases

V.F. Muzii, G. Peri, G. Signori, L. Palma (Siena, Italy)

OP042 Accuracy of Frameless DBS. The Nexframe/Sealthstation Experience

Roldan P, Talamantes F, Quilis V, Cortes O, Gonzalez P, Garcia-March W, Salvador A, Gonzalez-Darder J. (Valencia, Spain)

OP043 Atlas-based computer-aided volumetric reconstruction to identify targets during procedures of functional neurosurgery and radiosurgery

Fabio Sebastiano, Joseph Stancanello, Pantaleo Romanelli (Pozzilli, IS, Colliere Giacosa TO, Italy)

OP044 Navigation of transcranial magnetic stimulation (nTMS) as a new method for pre-operative motor brain mapping and surgical planning: pilot study

Fonoff ET, Paiva W, Cabrera HN, Marcolin MA, Teixeira MJ (São Paulo, Brazil)

OP045 Image Guidance in Trans-Sphenoidal Surgery of Pituitary Adenomas: Luxury or Necessity?

Deepak Agrawal, MS Sharma, SS Kale, BS Sharma (New Delhi, India)

OP046 Functional / tractography MRI and Intraoperative mapping. Technique of image-guided navigation of brain tumors in eloquent areas in awake patients

Roldan P, Talamantes F, Gonzalez P, Cortes O, Quilis V, Cortes V, Gonzalez-Darder J (Valencia, Spain)

10,30 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)

POSTERS VIEWING - VERDE ROOM

14,00 Oral Presentations Session **RADIOSURGERY I**

Chairmen: **S. Blond** (Lille, France), **M. Gerosa** (Verona, Italy)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Fractionated Stereotactic Intensity Modulated Radiotherapy using a serial tomotherapy in the therapeutical concept for skull base tumor

Mario Ammirati, Hekmat Zarzour, John Grecula, Venko Filipce (Columbus, USA)

Repeated treatment of vestibular schwannomas after gamma knife radiosurgery
R. Liscak, V. Vladyka, D. Urgosik, G. Simonova, J. Vymazal (Prague, Czech Republic)

Hearing Preservation after Gamma Knife Radiosurgery for Vestibular Schwannomas presenting with subnormal hearing
Jean Régis, Manabu Tamura, Yasser Arkha, Shoji Yomo, Xavier Muraciolle, Denis Porcheron, Jean Marc Thomassin, Pierre Hughes Roche (Marseille, France)

Gamma Knife for sellar region neoplasms: results and complications
F. Lupidi, M. Ganau, A. Nicolato, R. Foroni, M. Longhi, G.K. Ricciardi, A. DeSimone, A. Beltramello, S. Turazzi, M. Gerosa (Verona, Italy)

Combined microsurgery and radiosurgery of pituitary macroadenomas for decompression of the chiasm
Holl EM, Papaefthymiou G, Dominikus K, Unger F (Graz, Austria)

Use of shielding in Gamma-knife radiosurgery for posterior third ventricle lesions- techniques and pitfalls
Deepak Agrawal, MS Sharma, SS Kale, BS Sharma (New Delhi, India)

Post-radiosurgical symptomatic radionecrosis: results of surgical treatment
A. Nicolato, M. Ganau, R. Foroni, C. Ghimenton, F. Lupidi, M. Longhi, G.K. Ricciardi, A. De Simone, A. Talacchi, A. Pasqualin, N. Schiavo, S. Turazzi, M. Gerosa (Verona, Italy)

The importance of Methionin-PET, CT and MRI image fusion 3D target volume determination for Iodine -125 interstitial irradiation of recurrent A2 gliomas
Arpad Viola, Tibor Major, Zsuzsanna Kolonban, Miron Sramka, Jenő Julow (Budapest, Hungary; Bratislava, Slovakia)

Stereotactically-guided interstitial radiosurgery with I-125 in children with low-grade gliomas
Guido Nikkhah, Daniela Neuburger, Michael Trippel, Rudolf Korinthenberg (Freiburg, Germany)

16,00 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

16,30 **Oral Presentations and Oral Posters Session**
RADIOSURGERY II and TUMOURS

Chairmen: **R. Liscak** (Prague, Czech Republic), **J. Régis** (Marseille, France)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Minimized doses with LINAC-Radiosurgery for Brainstem Metastases
Ch. A. Valéry, C. Boskos, G. Boisserie, I. Lamprogliou, JJ Mazon, Ph. Cornu (Paris, France)

Neuronavigation and endoscopy as technical adjunct in extending approaches for clival and parasellar lesions
Iacoangeli M, Fasanella L, Dobran M, Di Rienzo A, Formica F, Alvaro L, Moriconi E, Carlucci C, Ciabattini A, Scerrati M. (Ancona, Italy)

Parasagittal location as a bad prognosis factor in terms of recurrence and tumoral control for meningiomas
Villard J., Pica A., Levivier M., Bloch J. (Lausanne, Switzerland)

Cortical and subcortical intraoperative mapping during awake surgery for brain tumours in eloquent area
V. Ramponi, S. Sarubbo, F. Di Biase, R. Schivalocchi, E. Fainardi, R. Zoppellari, R. Quatrone, M.A. Cavallo (Ferrara, Italy)

Low-grade gliomas in central area. Coupling of maximal resection and functional preservation
Mondani M., D'Auria S., Ius T., Pauletto G., Budai R., Maieron M., Weiss L., Tomasino B., Fadiga L., Skrap M. (Udine, Genova, Pordenone, Ferrara, Italy)

Minimal-invasive stereotactic treatment of craniopharyngiomas

Guido Nikkhah, Tillman Schubert, Michael Trippel, Christoph Ostertag (Freiburg, Germany)

Management of giant AVMs with Shaped Beam Stereotactic Radiotherapy: a concept and preliminary results

Alessandra Gorgulho, Nzhde Agazaryan, Michael T. Selch, Antonio A.F. DeSalles (Los Angeles, CA, USA)

Oral Posters (5 minutes presentation, 3 slides)

- OP047** Different technique for navigated intraoperative brain stimulation
Galanda M., Bullova J., Galanda T., Kluzova M. (Banska Bystrica, Slovakia)
- OP048** The contribution of stereotactic biopsy in confrontation of paraventricular lesions of thalamous and basal ganglia
T.S. Paleologos, S. Stamatiou, P.G. Papanikolaou, E. Manousakis, E. Papadopoulos, E. Chatzidakis, K. Kazdaglis (Nikea-Piraeus, Greece)
- OP049** Safety and efficacy of frame-based, CT-guided stereotactic biopsy of brain lesions. Experience on a series of 291 procedures
Guiducci G, Cultrera F, Cremonini AM, D'Andrea M, Frattarelli M. (Cesena, Italy)
- OP050** Stereotactic interstitial brachytherapy with 125iodine seeds for recurrent singular cerebral metastases
Ruge MI., Voges J., Lehrke R., Runge M., Treuer H., Sturm V., Maarouf M. (Cologne, Germany)
- OP051** Stereotactic interstitial brachytherapy (IBT) with 125iodine seeds for the treatment of singular metastases located in the basal ganglia or brainstem
Ruge MI., Kocher M., Voges J., Runge M., Treuer H., Sturm V., Maarouf M. (Cologne, Germany)
- OP052** Repeated Gamma Knife surgery for regrowth of vestibular schwannomas
Shoji Yomo, Yasser Arkha, Christine Delsanti, Pierre-Hugue Roche, Jean-Marc Thomassin, Jean Regis (Marseille, France)
- OP053** Combined treatment as an alternative for large vestibular schwannomas
Holl EM, Gellner V, Kreil W, Grossauer S, Unger F (Graz, Austria)
- OP054** Review of stereotactic radiosurgery for meningiomas. Comparison of the results of LINAC, stereotactic brachytherapy and Gamma knife radiosurgery of meningiomas
Miron Sramka, Arpad Viola, Tibor Major, Zsuzsanna Kolonban, Jenő Julow (Bratislava, Slovakia; Budapest, Hungary)
- OP055** Cerebral arteriovenous malformations in pediatric and adolescent patients treated with Leksell Gamma Knife: the experience of Verona
F Lupidi, A Nicolato, R Foroni, P Zampieri, M Longhi, A De Simone, G Ricciardi, M Ganau, A Pasqualin, C Mazza, A Beltramello, S Turazzi, M Gerosa (Verona, Italy)
- OP056** Corticospinal tractography during Gamma Knife radiosurgery treatment planning for arterio-venous malformations
RI Foroni, GK Ricciardi, F Lupidi, A Sboarina, A De Simone, A Nicolato, M Longhi, F Pizzini, M Ganau, A Beltramello, M Gerosa (Verona, Italy)
- OP057** Brain metastases treatment with fractionated stereotactic radiotherapy
S. Macrì, G. Panelli, P. Pedicini, F. Cammarota, V. Ravo, P. Muto (Naples, Italy)
- OP058** The role of Gamma Knife radiosurgery in the treatment of low-grade gliomas
A Nicolato, F Lupidi, R Foroni, M Longhi, A De Simone, M Ganau, GK Ricciardi, A Beltramello, M Gerosa (Verona, Italy)
- OP059** Radiosurgery intention in pediatric patients
Federico Landriel, Carlos Kitroser, Santiago Hem, Marcelo Rodriguez Chatruc, Elsa Raslawsky, Elisa Singer, Fernando Knezevich, Carlos Ciruolo (Buenos Aires, Argentina)

OP060 Gamma Knife Radiosurgery for brain metastases: the Lille experience
Marcos Dellaretti, Serge Blond, Nicolas Reyns, Gustavo Touzet, Renato Silva Martins, Thierry Sarrazin, François Dubois, Eric Lartigau (Lille, France)

OP061 Delayed cyst formation after radiosurgery for cerebral arteriovenous malformation: seven case reports
Marcos Dellaretti, Serge Blond, Nicolas Reyns, Gustavo Touzet, Renato Silva Martins, Thierry Sarrazin, François Dubois, Eric Lartigau (Lille, France)

19,00 End of Sessions

14,00 Oral Presentations and Oral Posters Session **MOVEMENT DISORDERS IV**

Chairmen: **M. Hariz** (London, UK), **S. Chabardès** (Grenoble, France)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

MRI abnormalities in post-anoxic patients evaluated for GPI DBS
Francesco Vergani, Nathalie Burger, Laura Cif, Xavier Vasques, Hassan El Fertit, Santiago Gil-Robles, Philippe Coubes (Montpellier, France; Monza MI, Italy)

Deep brain stimulation of the globus pallidus internus in children and young adults for early-onset dystonia
Pinsker MO, Volkmann J, Falk D, Herzog J, Deuschl G, Mehdorn HM Campus Kiel, Freiburg, Germany)

Treatment of primary camptocormia (dystonic bent spine) by chronic electrical stimulation of the globus pallidus internus (GPI): report of two cases
L.C. Stavrinou, E.J. Boviatsis, M. Themistocleous, P. Stathis, G. Tagaris, S. Gatzonis, IG Panourias, DE Sakas (Athens, Greece)

Bilateral internal globus pallidus Deep brain stimulation for Huntington disease
Victoria Gonzalez, Laura Cif, Brigitte Biolsi, Igor Maldonado, Eric Pino, Gregory Dran, Santiago Gil-Robles, Xavier Vasques, Philippe Coubes (Montpellier, France)

Tourette Syndrome and deep brain stimulation: considerations on a series of 32 patients treated with DBS
M. Porta, M. Sassi, A. Brambilla, S. Defendi, D. Servello (Milan, Italy)

Sacral Nerve Stimulation for urinary and fecal incontinence
Lavano A, De Rose M, Guzzi G, Giaquinta A, Romano M, Gabriele D (Catanzaro, Italy)

Oral Posters (5 minutes presentation, 3 slides)

- OP062** PPN Stimulation for Dopa-Unresponsive Hypokinetic Dystonia
J Rowe, C Isaac, ID Wilkinson, CAJ Romanowski, A Khan and TZ Aziz (Sheffield, Oxford, UK)
- OP063** Chronic bilateral pallidal stimulation in patients with generalized dystonia - personal experience
Micha Sobstyl, Mirosław Zbek, Henryk Koziara, Sebastian Dzierzcki, Zbigniew Mossakowski (Warsaw, Poland)
- OP064** Prognostic value of Globus Pallidus internus volume in primary dystonia treated by deep brain stimulation
Xavier Vasques, Laura Cif, Victoria Gonzalez, Eric Pino, Igor Maldonado, Gerard Mennessier, Philippe Coubes (Montpellier, France)
- OP065** Pallidal deep brain stimulation as an effective treatment of belly dancer's dyskinesia
Schrader C, Capelle H.-H, Kinfe TM, Dengler R, Krauss JK (Hannover, Hannover)
- OP066** Bifocal brain stimulation for treatment of hemichorea / hemiballism after craniopharyngeoma resection
Capelle HH, Kinfe T, Krauss JK (Hannover, Germany)
- OP067** DBS surgery related complications. A prospective analysis of 60 patients
Z. Kefalopoulou, E. Markaki, K.Stavridi, J. Ellul, E. Chroni, C. Constantoyannis (Patras, Greece)
- OP068** Deep Brain Stimulation for other movement disorders
J Guridi, MC Rodriguez-Oroz, P Clavero, K Kadziolka, M Alegre, M Manrique, JA Obeso (Pamplona Spain)

16,00 *Coffee break* (EXHIBIT HALL and VERANDA RESTAURANT)
POSTERS VIEWING - VERDE ROOM

16,30 Oral Presentations and Oral Posters Session
BASIC SCIENCES

Chairmen: **J.J. Lemaire** (Clermont-Ferrand, France), **K. Schwabe** (Hannover, Germany)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Neural basis of verbal subsequent memory effect

G Mirabella, C Babiloni, F Vecchio, M Buttiglione, F Sebastiano, A Picardi, G Di Gennaro, PP Quarato, LG Grammaldo, P Buffo, V Esposito, M Manfredi, G Cantore, F Eusebi (Rome, Pozzilli IS, Foggia, Bari, Italy)

MRI guided stereotaxic surgery in minipigs

Bjarkam CR, Cancian G, Rosendal F, Glud AN, Jorgensen RL, Ettrup KS, Østergaard L, Sunde NA, Sorensen JC (Aarhus, Denmark)

Effect of Stereotactic Lesion of Reticular Thalamic Nucleus in a Perseverative T-Maze model in Wistar rats

Fiacro Jiménez, Pablo Andrade, Ylián Ramírez, José D. Carrillo-Ruiz (México City, Mexico)

Cholinergic neurons of the pedunculo pontine nucleus are implicated in gait disorders: New evidences in a primate model

C Karachi, H Belaid, H Mammeri, D Grabli, D Tandé, N Wattiez, EC Hirsch, C Francois (Paris, France)

Hypothalamic deep brain stimulation for obesity in the non obese non human primate

Napoleon Torres, Stephan Chabardès, Brigitte Piallat, Annaëlle Devergnas, Alim Louis Benabid (Grenoble, France)

White Matter Architecture of Human Deep Brain Revealed by in vivo Diffusion Tensor Imaging
Jean-Jacques Lemaire, Guy Cosnard, Laurent Sakka, Christophe Nuti, Wojciech Gradkowski, Susumu Mori, Laurent Hermoye (Clermont-Ferrand, France; Louvain, Brussels, Belgium; Saint-Etienne, France; Baltimore, Maryland, USA)

Oral Posters (5 minutes presentation, 3 slides)

OP069 Error analysis of the localization frame for CT-based stereotactic calculation

P. Grunert (Mainz, Germany)

OP070 Definition of a stereotactic 2D template of the human insula

A. Afif, D. Hoffmann, M. Magnin, P. Mertens (Lyon, Grenoble, Bron, France)

OP071 Planar 2D-array neural probe for deep brain stimulation and single-cell recording: in vivo proof of concept

Marleen Welkenhuysen, Silke Musa, Roeland Huys, Wolfgang Eberle, Carmen Bartic, Gustaaf Borghs, Bart Nuttin (Leuven, Belgium)

OP072 Increased electrical and metabolic activity in the dorsal raphe nucleus of Parkinsonian rats

Ahmet H. Kaya, Rinske Vlamings, Sonny Tan, Lee Wei Lim, Peter J. Magill, Harry W.M. Steinbusch, Veerle Visser-Vandewalle, Trevor Sharp, Yasin Temel (Samsun, Turkey, Maastricht, The Netherlands, Oxford, United Kingdom)

OP073 Effect of deep brain stimulation in the pedunculo pontine tegmental nucleus on motor function in the rat 6-hydroxydopamine Parkinson model

Rauch F, Schwabe K, Krauss JK (Hannover, Germany)

OP074 High frequency stimulation of the subthalamic nucleus influences 5-HT related behaviours

S.K.H. Tan, V. Visser-Vandewalle, H.W.M. Steinbusch, Y. Temel (Maastricht, the Netherlands)

18,00 **Oral Presentations and Oral Poster Session**
PAIN II

Chairmen: **M. Meglio** (Rome, Italy), **Y. Lazorthes** (Toulouse, France)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Spinal Cord Stimulation versus Conventional Medical Management for Failed Back Surgery Syndrome: Long-Term Results from the PROCESS Study
Meglio M, Cioni B, Sabene S (Rome, Italy)

Clinical outcomes after gamma knife radiosurgery for idiopathic trigeminal neuralgia: revision about a first series of 75 patients
Marcos Dellaretti, Serge Blond, Nicolas Reyns, Gustavo Touzet, Renato Silva Martins, Thierry Sarrazin, François Dubois, Eric Lartigau (Lille, France)

Motor cortex stimulation- induced modulation of central beta rhythms and somatosensory evoked potentials. A correlate with its antalgic effect
Reyns N., Houdayer E., Bourriez JL., Duhamel A., Laureau E., Blond S., Derambure P. (Lille, France)

Oral Poster (5 minutes presentation, 3 slides)

OP075 A neural signature of human pain
Alexander L Green, Shouyan Wang, Erlick AC Pereira, Navindra Persaud, Morten Kringelbach, Ned Jenkinson, Niki Ray, John F Stein, Tipu Z Aziz (Oxford, UK)

18,45 End of Sessions

08,30 Oral Presentations and Oral Posters Session
PSYCHIATRIC DISORDERS

Chairmen: **B. Nuttin** (Leuven, Belgium), **A.M. Lozano** (Toronto, Canada)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Neuromodulation using Deep Brain Stimulation in Psychiatric Disorders

Doris Lenartz, Mohammad Maarouf, Athanasios Koulousakis, Wolfgang Huff, Jens Kuhn, Joachim Klosterkötter, Thomas Schläpfer, Volker Sturm (Cologne, Germany)

Targeting the human Nucleus Accumbens

Lucas-Neto Lia, Oliveira Edson, Correia Francisc, Gonçalves-Ferreira António (Lisbona, Portugal)

Deep brain stimulation for obsessive compulsive disorder

P.R. Schuurman, D.J.A.P. Denys, P. van den Munckhof, D.A. Bosch (Amsterdam, the Netherlands)

Deep Brain Stimulation for Major Depressive Disorder (Resistant to > 4 Treatments): Preliminary Results of a Multi-Centre Study

Abbas Sadikot, Helen S. Mayberg, Andres M. Lozano, Sidney H. Kennedy, Peter Giacobbe, Clement Hamani, Guy Debonnel, Theodore Kolivakis, Christopher R. Honey, Raymond W. Lam, Andrew Howard (Montreal, Canada; Atlanta, USA; Toronto, Canada; Vancouver, Canada)

Study in patients with obsessive compulsive disorder treated with electrical stimulation in inferior thalamic peduncle

Fiacro Jiménez-Ponce, Francisco Velasco-Campos, Guillermo Castro-Farfán, Humberto Nicolini, Ana Luisa Velasco, Rafael Salín-Pascual, David Trejo, José Luis Criales (Mexico DF, MEXICO)

Deficient sensorimotor gating induced by selective breeding in rats is restored by lesions of the entopeduncular nucleus

Schwabe K, Polikashvili N, Krauss JK (Hannover, Germany)

The continuing role of capsulotomy in the treatment of obsessive-compulsive disorder; a psychiatrist's perspective

James Hancey, Patric Blomstedt, Ludvic Zrinzo, Marwan Hariz (Portland, Oregon USA; Umeå, Sweden; London, UK)

Vagal nerve stimulation in Treatment-resistant Depression: a series of 14 cases

Giuseppe Messina, Angelo Franzini, Mario Savino, Orso Bugiani, Carlo Marras, Giovanni Broggi (Milan, Pisa, Italy)

Oral Posters (5 minutes presentation, 3 slides)

OP076 Deep brain stimulation of the nucleus accumbens core and shell: opposite effects on impulsive behaviour

Thibaut Sesia, Lee Wei Lim, Arjan Blokland, Harry W.M. Steinbusch, Veerle Visser-Vandewalle Yasin Temel (Maastricht, the Netherlands)

OP077 Deep brain stimulation for affective disorders: As easy as it seems?

Juan A. Barcia, Tomás Ortiz, Rosa Yáñez, Mercedes González-Hidalgo, María-Inés López-Ibor, Juan José López-Ibor (Madrid, Spain)

OP078 DBS for Intermittent Explosive Disorder

Donald E Richardson, Kevin Jackson, Lisette Constantine, Mirium Gallagher (New Orleans, Louisiana USA)

OP079 High-frequency stimulation of the dorsolateral periaqueductal gray and ventromedial hypothalamus fails to inhibit panic-like behaviour

Lee Wei Lim, Arjan Blokland, Veerle Visser-Vandewalle, Rinske Vlamings, Thibaut Sesia, Harry Steinbusch, Koen Schruers, Eric Griez, Yasin Temel (Maastricht, The Netherlands)

OP080 Cingulotomy for refractory obsessive-compulsive disorder. Over one-year follow-up of seven patients
Marcin Birski, Marek Harat, Marcin Rudas, Alina Borkowska, Janusz Rybakowski (Bydgoszcz, Poland)

10,30 *Goodbye break* (EXHIBIT HALL and VERANDA RESTAURANT)

Plenary Session III

Invited Lectures

Chairmen: **B. Nuttin** (Leuven, Belgium), **G. Broggi** (Milan, Italy)

11,00 Magnet encephalography and neurosurgery
J.P.T. Mäkelä (Helsinki, Finland)

11,30 Functional surgery for mind and mood
A.M. Lozano (Toronto, Canada)

12,00 Award to best posters and oral presentations

12,30 **Closing Ceremony of the XVIII ESSFN Meeting**

Massimo Scerrati, Meeting Chairman
Yves Lazorthes, ESSFN President

08,30 **Oral Presentations and Oral Posters Session**
PAIN III

Chairmen: **A. Lavano** (Catanzaro, Italy), **B. Linderoth** (Stockholm, Sweden)

Oral Presentations (12 minutes: 10 minutes presentation + 2 minutes discussion)

Hybrid Neuromodulation Technique: Use of Combined Spinal Cord Stimulation and Peripheral Nerve Stimulation in Treatment of Chronic Pain in Back and Legs
Eugene G. Lipov, Jay R. Joshi, Konstantin V. Slavin (Chicago, Illinois, USA)

Intrathecal use of ziconotide in chronic neuropathic pain patients – clinical experience of a single neurosurgical pain center
Rasche D, Klase D, Ruppolt MA, Tronnier VM (Lübeck, Germany)

Intrathecal clonidine and baclofen produce an enhancement of pain relieving effect by spinal cord stimulation: a double-blind study
Gastón Schechtmann, Göran Lind, Jaleh Winter, Björn A. Meyerson and Bengt Linderoth (Stockholm, Sweden)

Guide-lines to treat severe occipital neuralgias
Sylvie Raoul, Andra Albert, Emmanuelle Kuhn, Yunsan Meas, Jean Paul N'Guyen (Nantes, France)

The sphenopalatine ganglion – target for selected pain syndromes
D. Urgosik, R. Liscak, J. Vymazal, V. Vladyka (Prague, Czech Republic)

Oral Posters (5 minutes presentation, 3 slides)

OP081 Spinal cord stimulation in refractory angina pectoris - analysis of efficacy and cost-benefit
Pawel Sokal, Marek Harat, Teresa Rusicka-Piekarz, Aleksandra Cuprych (Bydgoszcz, Poland)

OP082 PRECISE STUDY: Cost-utility and Cost-effectiveness of SCS in FBSS compared to Conventional Medical Management
Lavano A, De Rose M, Zucco F, Poli P, Fortini G, Demartini L, Cisotto P, De Simone E, Menardo V, Meglio M, Costantini A

OP083 Spinal cord and sacral root stimulation in the treatment of pelvic pain
Pawel Sokal, Marek Harat (Bydgoszcz, Poland)

OP084 Effects of spinal cord stimulation in patients with failed back surgery syndrome evaluated with quantitative sensory nerve testing
Tronnier VM, Klase D, Ruppolt MA, Rasche D (Lübeck, Germany)

OP085 The spinal cord stimulation in the failed neck syndrome
Alessandro Dario, Alessandro De Benedictis, Giustino Tomei (Varese, Italy)

OP086 Peripheral nerve stimulation in neuropathic pain
Alessandro Dario, Claudio Reverberi, Giustino Tomei (Varese, Cremona, Italy)

OP087 The failed back surgery syndrome: spinal cord stimulation or stabilization with fusion?
Chiriatti S, Iacoangeli M, Dobran M, Di Rienzo A, Formica F, Gladi M, Specchia N, Martiniani M, Greco F, Scerrati M. (Ancona, Italy)

OP088 Clinical efficacy of intrathecal baclofen for complex regional pain syndrome
Takeshi Nakajima, Takaomi Taira, Taku Ochiai, Hiroyuki Akagawa, Toshiyuki Sasaki, Tomokatsu Hori (Tokyo, Japan)

OP089 Clinical correlations and results in chronic management of implantable pumps for pain treatment: review of personal experience
N. Stefani, G. Rea, D. Mangeruga, P.V. Nardi (Rome, Italy)

OP090 Preemptive Analgesia with Local Lidocaine Infiltration for Single-Level Open Disc Operation
Fakharian Esmail, Fazel Mohammad-Reza, Tabesh Homayoon (Kashan, Iran)

OP091 Treatment of the Neuropathic Pain After Spinal Cord Injury in 213 Patients
Fonoff ET, Paiva W, Cecon A, Salles M, Teixeira MJ. (São Paulo, Brazil)

OP092 Percutaneous videoscopic guidance for radiofrequency anterolateral cordotomy in treatment-resistant pain related to cancer
Fonoff ET, Alho E JL, Padilha P, Teixeira MJ (São Paulo, Brazil)

10,30 *Goodbye break* (EXHIBIT HALL and VERANDA RESTAURANT)

POSTERS

- P93** Fiducials: Achilles heel of image guided neurosurgery - An attempt at indigenization & improvement
Deepak Agrawal (New Delhi, India)
- P94** Selection of PD patients for DBS: efficacy of MIBG.
Alimonti D, Donati R, Poloni M, Biroli F, Guerra U (Bergamo, Italy)
- P95** Efficacy of globus pallidus stimulation in treatment of Parkinson's disease: a meta-analysis
Pablo Andrade, Fiacro Jiménez, José D. Carrillo-Ruiz (Mexico City, Mexico)
- P96** Sympathicotomy affects cutaneous blood flow, temperature, and sympathetic-mediated reflexes
Patric Blomstedt, Doris Kjellgren, Lars-Owe D. Koskinen (Umeå, Sweden)
- P97** Higher-order functions: Brain mapping during tumor surgery in awake patients
C. Brogna, A. Battaglia-Mayer, M. Salvati, M. Rojas, A. D'Elia, G. Melone, S. Iaconelli, F. Doricchi, G. Gualdi, R. Caminiti, R. Delfini (Rome, Italy)
- P98** Is still necessary Stereotactic Biopsy in supratentorial gliomas in MRI era?
G. Callovini, A. Bolognini, V. Gammone, G. Putrella (Rome, Italy)
- P99** Thalamic deep brain stimulation in patients with tremor due to multiple sclerosis: outcome analysis in a series of 11 patients
Capelle HH, Schrader C, Dengler R and Krauss JK (Hannover, Germany)
- P100** Intrathecally Administered Baclofen for Treatment of Children with Spasticity.
S. Cappanera, L. Porfiri, E. Cesaroni, M. Aringolo, F. Rychlicki, R. Trignani, C. Cardinali (Ancona, Italy)
- P101** Delayed occipital artery pseudoaneurysm complicating DBS surgery for Parkinson's Disease
Anna Castrioto, Nunzia Cenci, Nicola Tambasco, Mohamed Hamam, Aroldo Rossi, Corrado Castrioto (Perugia, Italy)
- P102** Surgical removal of corpus callosum neurocytoma in awake surgery with intraoperative subcortical mapping. Case report
S. Sarubbo, V. Ramponi, F. Di Biase, R. Schivalocchi, R. Zoppellari, R. Quatrala, E. Fainadi, M.A. Cavallo (Ferrara, Italy)
- P103** Motor cortex stimulation (MCS) for advanced Parkinson disease (PD): long term results
Cioni B, Bentivoglio AR, Colicchio G, De Simone C, Fasano A, Papacci F, Paternoster G, Piano C, Policicchio D, Meglio M (Rome, Italy)
- P104** Can cardiosympathetic and cardiovagal indices predict the efficacy of vagal nerve stimulation in depression? A pilot study
Colloca L, Maina G, Albert U, Bogetto F, Ducati A, Benedetti F, Lanotte M (Turin, Italy)
- P105** Percutaneous balloon compression of the trigeminal ganglion for different types of trigeminal pain
Z. Kefalopoulou, E. Markaki, G. Kagadis, C. Constantoyannis (Patras, Greece)
- P106** Masseter muscle weakness after percutaneous balloon compression
I. Prasoulis, G. Kagadis, P. Polychronopoulos, E. Chroni, C. Constantoyannis (Patras, Greece)
- P107** The use of Dermabond for wound closure in Stereotactic and Functional Neurosurgery: preliminary experience in 35 patients.
C. Conti, G. Rizzo, M. Brollo, R. Eleopra, F. Guida, G. Trincia (Mestre, VE, Italy)
- P108** Hypofractionated CyberKnife Irradiation for Large Acoustic Neuromas. Preliminary Results
A. Conti, A. Pontoriero, F. Midili, C. Siragusa, F. Granata, I. Ielo, F. Vitulo, M. Longo, C. De Renzis, F. Tomasello (Messina, Italy)
- P109** Functional Target in DBS for movement disorders. Our experience on 35 patients
C. Conti, G. Rizzo, M. Pellizzari, R. Eleopra, C. Lettieri, G. Trincia (Mestre, VE, Italy)
- P110** 3D Rotational Angiography for CyberKnife Treatment Planning for ArterioVenous Malformations
A. Conti, A. Pontoriero, F. Midili, C. Siragusa, G. Faragò, A. Pitrone, M. Longo, C. De Renzis, F. Tomasello (Messina, Italy)
- P111** CyberKnife radiosurgery in critical areas brain metastases: a preliminary report.
A. Pontoriero, A. Conti, A. Salatino, A. Calisto, P. Frosina, A. Platania, F. Midili, I. Ielo, F. Granata, M. Longo, C. De Renzis, F. Tomasello (Messina, Italy)
- P112** CyberKnife radiosurgery in the treatment and re-treatment of spinal metastasis: a preliminary report
A. Pontoriero, A. Conti, P. Frosina, C. Siragusa, A. Salatino, R. Spagna, I. Salomone, F. Vitulo, I. Pandolfo, C. De Renzis (Messina, Italy)
- P113** End of service in vagus nerve stimulation for treatment-resistant depression. Case report
Alessandro Dario, Cesare Zoia, Giustino Tomei (Varese, Italy)

- P114** The "tandem" technique in replacement of depleted Kinetra®
Alessandro Dario, Simone Sangiorgi, Giustino Tomei (Varese, Italy)
- P115** Comparison of extracranial doses between GK and LINAC radiosurgery
A De Simone, S Guariglia, RI Foroni, F Lupidi, M Longhi, G Ricciardi, A Nicolato, A Rizzotti, M Gerosa (Verona, Italy)
- P116** Dbs in StN in Parkinson's disease with pre-operative planning performed with NMR without fusion
R. Donati, D. Alimonti, B. Ferraro, C. Foresti, O. Manara, A. Crocco, F. Biroli (Bergamo, Italy)
- P117** Infections in DBS Patients
Eisner W, Wolf E, Sohm F, Primavesi F, Mueller J, Bauer R, Mair K, Fiegele T (Innsbruck, Austria)
- P118** Motor cortex stimulation for complex regional pain syndrome (CRPS type I) results in pain relief and functional recovery
ET Fonoff, MJ Teixeira, TY Lin, M.A. Marcolin (São Paulo, Brazil)
- P119** Phrenic nerve stimulation for chronic intractable hiccups. Case report
Fonoff ET, Lara N, Mandell MB, Teixeira MJ (São Paulo, Brazil)
- P120** "Twitcher syndrome" in two patients with deep brain stimulation
Miguel Gelabert-González, Ramón Serramito-García, José Luis Relova-Quinteiro, Alfonso Castro-García, Ramón Martínez-Rumbo (Santiago de Compostela, Spain)
- P121** LINAC-based radiosurgery for the treatment of brain metastases
L. Gorgoglione, C. De Bonis, A. Bonfitto, N. Icolaro, A. Berardi, S. Parisi, P. Lauriola, V.A. D'angelo (S. Giovanni Rotondo FG, Italy)
- P122** Efficacy of subthalamic nucleus deep brain stimulation on complex and simple movements assessed by instrumental tests
Harati, Ali, Ellrichmann Gisa; Cyron, Donatus, Puchner, Maximilian, Müller Thomas (Recklinghausen, Bochum, Germany; Zurich, Switzerland)
- P123** Effect of deep brain stimulation of the subthalamic nucleus on inhibitory interneurons in the rat 6-hydroxydopamine Parkinson model
Hoffmann L, Krauss JK, Schwabe K (Hannover, Germany)
- P124** Spinal Cord Stimulation (Scs) In Treatment of Severe Pain Syndromes
E.D. Isagulyan, V.A. Shabalov, S.B. Buklina, A.A. Tomskiy (Moscow, Russia)
- P125** Electrode Device for Electric Diagnosing the Nerve Structures in Spinal Pathology Patients
Khachatryan W.A., Yelikbayev G.M. (Saint-Petersburg, Russia)
- P126** Late Results of Surgical Treatment for Epilepsy
Khachatryan W.A., Mamatkhanov M.R., Lebedev K.E., Tyrychnaya O.V., Kim A.V., Samochernykh K.A. (Saint-Petersburg, Russia)
- P127** Kinetic tremor after prior microvascular decompression treated by bifocal Vim DBS
Kinfe T, Capelle H.-H, Schrader C, Blahak C, Baezner H, Krauss JK (Hannover, Mannheim, Germany)
- P128** Magnetic Resonance based deep brain stimulation technique produces no perioperative intracerebral hemorrhage. A series of 474 consecutive implanted electrodes
Igor Lima Maldonado, Thomas Roujeau, Laura Cif, Victoria Gonzalez, Hassan El-Fertit, Santiago Gil-Robles, Xavier Vasques, Phillippe Coubes (Montpellier, France)
- P129** Language mapping and monitoring during awake craniotomy. An experience of Neuro - oncological team of C.T.O. hospital
A. Limberti (Turin, Italy)
- P130** Spinal cord stimulation for irritable bowel syndrome
Göran Lind, Jaleh Winter, Eva Berglund, Per Hellström, Bengt Linderöth (Stockholm, Sweden)
- P131** Implantation of plate electrodes for spinal cord stimulation under spinal anaesthesia with retained possibility of intraoperative testing: the experience from two centers
Bengt Linderöth, Göran Lind, Krishna Kumar, Jaleh Winter R.N., Shivani Gupta, Björn A. Meyerson (Stockholm. Sweden; Saskatchewan, Canada)
- P132** Serotonergic mechanisms involved in pain relief with spinal cord stimulation: Studies in animals with neuropathy
Bengt Linderöth, Zhiyang Song, Camilla Ultenius, Björn A. Meyerson (Stockholm. Sweden)
- P133** Awake craniotomy for aggressive resection of primary brain tumors located at the eloquent areas
Tomasz Mandat, Henryk Koziara, Pawel Nauman, Ewa Fersten, Malgorzata Symonides, Wieslaw Bonicki (Warsaw, Poland)
- P134** Percutaneous radiofrequency thermal rhizotomy for trigeminal neuralgia: our experience
Barbarisi M., Parlato RS, Di Muccio I., De Paulis D., Scafuro MA., Moraci A. (Naples, Italy)
- P135** DBS in drug resistant epilepsy with no indication to resective surgery
Massimo Piacentino (Vicenza)

Wednesday, October 8

- P136** Cortical VEPs recorded after optic tract direct stimulation during Gpi-DBS in non-cooperative patients
D. Pirillo, F. Vergani, R. Cilia, A. Landi, A. Antonini, E.P. Sganzerla (Monza, Milan, Italy)
- P137** Intraoperative recording of scalp and cortical EEG during periinsular hemispherotomy
E. Pralong, C. Pollo, J.G. Villemure, M. Levivier, D. Debatisse (Lausanne, Switzerland)
- P138** EEG recording during endoscopic disconnection of hypothalamic hamartoma associated with intractable epilepsy
E. Pralong, B. Rillet, C. Pollo, O. Delalande, M. Levivier and D. Debatisse (Lausanne, Switzerland)
- P139** Tumor resection with fiber-optic fluorescence spectroscopy system, ultrasound based neuronavigation and peroperative CT-scan
Johan Richter, Neda Haj-Hosseini, Stefan Andersson-Engels, Karin Wårdell (Linköping, Lund, Sweden)
- P140** Localisation of electrodes in Vim-DBS for essential tremor
Ulrika Sandvik, Patric Blomstedt (Umeå, Sweden)
- P141** A semiautomatic procedure for sequential neuroimage-fusion to localize subdural and depth electrodes in presurgical evaluation of patients with drug-resistant focal epilepsy
Fabio Sebastiano, Pier Paolo Quarato, Antonio Sparano, Addolorata Mascia, Claudio Colonnese, Pantaleo Romanella, Vincenzo Esposito, Gianpaolo Cantore, Giancarlo Di Gennaro (Pozzilli IS, Rome, Perugia, Italy)
- P142** Epidural motor cortex stimulation (EMCS) improves motor symptoms in advanced Parkinson's disease (PD)
Pantaleo Romanelli, Francesco Lena, Fabio Sebastiano, Nicola ModugnoJoseph (Pozzilli IS, Rome, Italy)
- P143** Image guided stereotactic biopsy of a metachronous brain stem glioma in the awake sitting position in a patient with adenocarcinoma of the rectum
Manish S Sharma, Bhawani S Sharma (New Delhi, India)
- P144** Prospective Study for Determination of Validity of Oregon Facial Pain Questionnaire for Diagnosis of Trigeminal Neuralgia and Other Facial Pain Syndromes
Paula Eboli, Sabri Aydin, M. Efsan Colpan, Konstantin V. Slavin (Chicago, USA)
- P145** Innoguide™ - A new device for stereotactic brain biopsy under real-time MR-imaging
Uwe Spetzger, Gerd Winkler, Sebastian Arnold, Andrej von Schilling, Peter Reimer, Thomas Remmele (Karlsruhe, Herxheim, Germany)
- P146** Persistent vegetative status and long term follow-up in baclofen implantable pumps: a study with clinical correlations
Stefani N., Grossi G., Mangeruga D., Nardi P.V. (Rome, Italy)
- P147** Motor Cortex Stimulation (MCS) in advanced Parkinson's Disease (PD)
Carmelo Sturiale, Franco Valzania, Stefania Nasseti, Alvaro Andreoli (Bologna, Italy)
- P148** Single-electrode and multiple-electrode guided electrical stimulation of the subthalamic nucleus in advanced Parkinson's disease
Yasin Temel, Poldi Wilbrink, Annelien Duits, Linda Ackermans, Veerle Visser-Vandewalle (Maastricht, The Netherlands)
- P149** Deep Brain Stimulation of the Subthalamic nucleus. Our experience in 53 patients.
Marios S. Themistocleous, Efstathios J. Boviatsis, Pantelis Stathis, George Tagaris, Damianos E. Sakas (Athens, Greece)
- P150** DBS STN in the Treatment of Advanced Parkinson's disease. Two-years follow-up study.
A.A. Tomskiy, V.A. Shabalov, E.V. Bril, S.B. Buklina, A.V. Dekopov, N.V. Fedorova (Moscow, Russia)
- P151** Assessment of cerebrospinal fluid leakage related electrode displacement in deep brain stimulation surgery
P. van den Munckhof, M.F. Contarino, L.J. Bour, R.M. de Bie, P.R. Schuurman (Amsterdam, the Netherlands)
- P152** Anatomico-physiological characterization of the posterior subthalamic target to treat Parkinson's disease
Francisco Velasco, Guillermo Castro, Ana Luisa Velasco, Jose D. Carrillo-Ruiz (Mexico City, Mexico)
- P153** Stereotactic biopsy for intracranial tumors using dynamic-contrast enhanced CT SCAN.
F. Vergani, E. Pirola, M. Grimaldi, D. Pirillo, G. Isimbaldi, A. Landi, EP. Sganzerla (Monza, Italy)
- P154** Saccadic latencies using a portable saccadometer for Parkinson's disease patients before and after Deep Brain Stimulation
Chrystalina Antoniadis, Roger Carpenter, Roger Barker, Philip Buttery, Colin Watts (Cambridge, UK)
- P155** Deep Brain Stimulation (DBS) for Tardive Syndromes
Jairo Espinosa, Gabriel J. Arango (Bogota, - Colombia)
- P156** Management of Dystonia with Deep Brain Stimulation: Factors associated with good outcome in a prospective study of 32 cases
Jairo Espinosa, Gabriel J. Arango (Bogota, - Colombia)
- P157** Deep brain stimulation of the subthalamus and posteroventral globus pallidus internus for Holmes' tremor
Jairo Espinosa, Gabriel J. Arango (Bogota, - Colombia)
- P158** Deep Brain Stimulation of the posteromedial hypothalamus for impulsive aggression
Jairo Espinosa, Gabriel J. Arango (Bogota, - Colombia)

XVIII Congress

of the

European Society for Stereotactic
and Functional Neurosurgery

ESSFN

Rimini, Italy, October 5-8, 2008

Timetable



		LEONARDO ROOM	MEUCCI/GALVANI ROOM	LUMIERE/STEVENSON ROOM
Sunday October 5	12,00	Registration opening		
	13,45	SYMPOSIUM DBS: THE PAST, THE PRESENT AND THE FUTURE	SYMPOSIUM LOCO-REGIONAL THERAPY OF MALIGNANT BRAIN GLIOMAS	SYMPOSIUM SO-CALLED "FAILED BACK SURGERY SYNDROME"
	14,00			
	16,00	SYMPOSIUM DBS: THE PAST, THE PRESENT AND THE FUTURE	SYMPOSIUM VAGAL STIMULATION FOR EPILEPSY AND DEPRESSION	SYMPOSIUM CONTROVERSIES IN RADIOSURGERY
	16,15			
18,00				
Monday October 6	08,30	Opening Ceremony and welcome addresses		
	09,00	Plenary Session I		
	10,30	<i>Invited Lectures</i>		
	11,00	Oral Presentations and Oral Posters Session	Oral Presentations and Oral Poster Session	
	12,35	MOVEMENT DISORDERS I	NEUROTRANSPLANTATION	
	13,00	Oral Presentations and Oral Poster Session	Oral Presentations and Oral Posters Session	
	14,00	CLUSTER HEADACHE	EPILEPSY I	
	15,35	Oral Presentations and Oral Posters Session	Oral Presentations and Oral Posters Session	
16,00		MOVEMENT DISORDERS II		
16,30	Oral Presentations and Oral Posters Session			
18,30	EPILEPSY II and MONITORING			
19,00				
Tuesday October 7	08,30	Oral Presentations and Oral Posters Session	Oral Presentations and Oral Posters Session	
	10,30	MOVEMENT DISORDERS III	NEURONAVIGATION	
	11,00	Plenary II		
	12,00	<i>Invited Lectures</i>		
	12,15	General Assembly		
	14,00	Oral Presentations and Oral Posters Session	Oral Presentations Session	Oral Presentations and Oral Posters Session
	16,00	PAIN I	RADIOSURGERY I	MOVEMENT DISORDERS IV
	16,30	Oral Presentations and Oral Posters Session	Oral Presentations and Oral Posters Session	Oral Presentations and Oral Posters Session
	18,00	MOVEMENT DISORDERS V	RADIOSURGERY II and TUMOURS	BASIC SCIENCES
18,30			Oral Presentations and Oral Posters Session	
19,00			PAIN II	
Wednesday October 8	08,30	Oral Presentations and Oral Posters Session	Oral Presentations and Oral Posters Session	
	10,30	PSYCHIATRIC DISORDERS	PAIN III	
	11,00	Plenary III		
	12,00	<i>Invited Lectures</i>		
	12,00	Awards to best Poster and Oral Presentation		
	12,30	Closing of the Meeting		

Language

The official language of the Congress is English.

CME - Continual Medical Education ONLY FOR ITALIAN PARTICIPANTS

16 credits were obtained from the Italian Ministry of Health - Neurosurgery, Neurology and Psychiatry.

ESSFN General Assembly

The General Assembly of ESSFN Members will take place on Tuesday October 7 at 12,15 in Plenary Room.

Oral presentations

Time: 12-minutes: (10 minutes presentation + 2 minutes discussion)

Cluster Headache session: Time: 15-minutes: (12 minutes presentation + 3 minutes discussion) slides in POWER POINT file

Oral Posters

Time: 5-minute platform presentations
n. 3 slides in POWER POINT file

Posters

Size: cm. 70x100 (width x height).

Set up and take off by the Authors themselves
OP01 – OP80 Set up Sunday October 5 from 12,30 to 14,00, take off Monday, October 6 until 18,00 pm

OP81 – OP92 and P93 - P158 Set up Tuesday, October 7 from 8,00 to 10,00, take off Wednesday October 8 until 12,00.

The poster will be given a number and should be hung in the position labelled in the same number as in the final program.

All presenting authors have to register to the Congress. Authors of accepted papers must be prepared to pay all personal expenses incurred including meeting registration, travel and accommodation during the Meeting.

Audiovisual Equipment

PC projection (only POWER POINT file on CD or on a memory stick, USB port or DVD, it is not possible to use Macintosh computer) will be provided in the Meeting rooms. Speakers are kindly requested to contact the Slide Center to upload their presentation(s) and to test all the audiovisual material at least one hour before the lecture. Since there will be a laptop computer available in each room, the use of personal laptops will not be allowed. The presentations will be forwarded through Local Area Network (LAN) directly to the appropriate room.

Awards

The ESSFN has created awards to recognize the efforts for participating to its Congress through Posters and Oral Presentations. There are a total of 5 awards.

Posters awards

The authors of the best 3 posters, as determined by a jury composed of ESSFN members, will be granted 500,00 Euros (each poster) There is no need to postulate for these awards.

Young neurosurgeon oral presentations

The best 2 oral presentations by a young neurosurgeon (under 35 years old) will be awarded 1.000,00 Euros (each presentation). The presentation must correspond to original work. The selection will be made by a jury composed of ESSFN members.

The candidate to this award must postulate and send its curriculum vitae with the abstract of the presentation.

Certificate of attendance

At the end of the Conference, a certificate of attendance will be issued to all registered participants, based on their actual attendance to conference sessions and only by personal badge presentation.

Variations

The Scientific and the Organizing Secretariats reserve the right to make whatever change to the program they deem necessary for scientific and/or technical reasons, in compliance with Ministry regulations on CME credits.

GENERAL INFORMATION

CONGRESS VENUE



Grand Hotel Rimini***L**
Parco Federico Fellini
47900 Rimini - Italy
Tel. +39.0541.56000
Fax +39.0541.56866
<http://www.grandhotelrimini.com>

ABOUT RIMINI

BETWEEN ART AND HISTORY

Rimini dates back to the era of ancient Rome. Founded in 268 B.C., it was originally called Ariminum and rose at the crossroads of the principal communication routes. Located in a strategic position with a well-defended port, the city soon became an important commercial centre. Under the rule of Augustus, it became a Roman colony and reached its greatest splendour with the building of great public works, many of which are still standing. Centuries later, another important epoch left its historic and artistic mark on the region: the rule of the Malatesta family. The 14th and 15th centuries were a thriving artistic period and an era of great wealth. Imposing castles, citadels, and fortresses, indicative of this epoch, are still scattered about the region.

A journey in search of the traces and signs left by the region's cultural and artistic history is sure to be stimulating and extremely interesting. Just take a walk through the streets of Rimini or, perhaps, wander through the Conca and the Marecchia valleys and immerse yourself in the charms of the inland, which is rich in history, ancient villages, castles, fortresses, parish churches and monasteries... and, naturally, works of art.

THE SEASIDE

Fellini Park, situated just next to the Grand Hotel, is the very heart of Rimini seaside. This is where the first bathing establishment was set up in 1843, commissioned by the Baldini Counts and Dr. Claudio Tintori. This health-conscious vocation developed thanks to the well known professors Paolo Mantegazza and Augusto Murri and in 1872, a new bathing establishment was built named Kursaal (it was destroyed in 1948). The layout of the city began to change with the construction of a new road, now called Viale Principe Amedeo, to connect the old city centre to the marina.

The twentieth century saw a move to a more elite tourism and 1908 was a particularly symbolic date as it marked the opening of the Grand Hotel, a strong source of inspiration for Fellini. Before becoming the European holiday capital, over the years Rimini was an extremely important port. Nowadays, the port's 'pile trestle' is the most popular place for Riminese to take a walk. It evokes pleasant memories and is the kingdom of sailors and fishermen, watched over by the lighthouse and ploughed by the 'poveracciaie' (boats equipped for clam fishing). From dawn to dusk, throughout the day the port gives visitors the sensation of diving into the sea and affords spectacular panoramic views dotted by the thousands of colours of the bathing establishments that have made our beach famous throughout the world.

REGISTRATION FEES

	Early before June, 30 th	Late after June, 30 th
ESSFN Member	€ 450,00	€ 550,00
ESSFN non Member	€ 600,00	€ 700,00
Resident/Trainee*	€ 200,00	€ 200,00
Social Dinner	€ 80,00	

*proof must be provided by the Director of the program.

Tour to Ravenna

Monday, October 6th € 95,00 pp.

Tour to the castle of Gradara and San Leo

Tuesday, October 7th € 90,00 pp.

The registration package includes:

- Admission to all the Scientific Sessions
- Abstract book
- Coffee breaks and lunches
- Welcome Reception on October, 5th 2008

Accompanying Person/s are invited to join the Welcome Cocktail (free of charge).

Cancellation policy

No refunds for cancellations of registrations will be made.

Substitutions can be made in writing at any time.

Privacy

Information according to Legislative Decree no. 196/2003. Your personal data, that you voluntarily provided on this occasion and that have been collected by CSR Congressi, shall be processed either manually or with the help of electronic and/or automated means, for the following purposes: filing your participation in Congresses, Conferences, Meetings and other Events organized by CSR Congressi; complying with law obligations. Your data shall be communicated to suppliers and third parties involved or participating in the Event organized as well as to relevant public authorities, in compliance with law provisions. The nature of providing the requested data for the purposes listed above is compulsory for your participation in the Event. The data controller is CSR Congressi, whose head office is in Via Matteotti 35, 40057 Cadriano di Granarolo E. BO, Italy As a data subject, you shall exert all the rights provided for by Title II of Legislative Decree no. 196/2003.

By signing the Intent Form you declare that you read the information provided and you give your consent to the processing and communication of your personal data for the purposes listed above.

Organizing Secretariat



CSR Congressi srl
Via Matteotti, 35
40057 Cadriano di Granarolo E.
Bologna BO, Italy
Phone + 39 051 765357
Fax + 39 051 765195
Email: info@csrcongressi.com
www.csrcongressi.com

SOCIAL PROGRAMME

Welcome Reception

with Danilo Rea, one of the major Italian pianists.

Sunday October 5, 2008 – h. 19,00 at the Conference Venue

(included in the Registration fee)

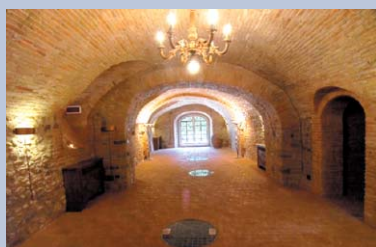
Danilo Rea, is widely considered one of the major Italian jazz pianists. Graduate of Santa Cecilia music conservatory in Rome, he made his debut in 1975 when he joined the musicians Roberto Gatto and Enzo Pietropaoli forming the **Rome Trio**. In 1989 he took part as a solo artist in **"Requiem for Pierpaolo Pasolini"** by Roberto De Simone at the Teatro San Carlo in Napoli and recorded in the same year with Roberto Gatto the album **"Improvvisi"**. In 1997 he formed with Enzo Pietropaoli and Fabrizio Sferra the **Doctor 3**, a jazz trio that successfully trod the boards for more than a decade. Their album **"The Tales of Doctor Trio"** was awarded as the best Italian jazz record in 1998 and again the following work **"The Songs Remain the Same"** was awarded in 1999. In Italy, he is widely sought after in pop music as well, having performed also with Italian pop singers Domenico Modugno, Pino Daniele, Gianni Morandi, Riccardo Cocciante, Claudio Baglioni, and Adriano Celentano. Starting from 1989, all of Mina's records have included Danilo Rea's backing keyboards. He has also toured internationally, performing with some of the most famous jazz musicians, such as Chet Baker, Lee Konitz, Steve Grossman, Phil Woods, Art Farmer, Curtis Fuller and Kenny Wheeler. His improvisations, which range over any repertoire, are appreciated in all his concerts, tours and most important jazz festivals.

Social Dinner of Tuesday October 7, 2008 € 80,00

Palazzo del Poggiano – Via Collina 1331
47824 Poggio Berni – Rimini – Italia

Meeting point at the Congress venue
h. 7,30 p.m., transfer by bus
Live music with the group Waterfall.

If you have made your reservation for the social dinner before the established deadline you can collect your invitation at the Registrations desk no later than Monday, October 6.



TOURS

City of RAVENNA: Monday, October 6th

Duration: 8 hours by bus 8.30am - 4.30pm
Price per person: € 95,00
Meeting point at the Congress venue
h. 8,15 a.m., transfer by bus

Departure from Rimini by bus to Ravenna for a full-day guided tour which will enable you to fully appreciate the splendours of the art and history: the visit will include the Mausoleum of Galla Placidia, the Orthodox Baptistry (5th century) the Archiepiscopal Museum housing the renowned 6th century ivory throne, the Gothic Basilica of Sant'Apollinare Nuovo and the Arian Baptistry (early 6th century), the two splendid Byzantine churches of San Vitale and Sant'Apollinare in Classe (6th century). pedestrian area you will have a chance to step into a mosaic workshop, have a pause for coffee in the main square and visit the Tomb of Dante Alighieri, Italy's most distinguished poet, who died here in 1321. Lunch in a typical "osteria". In the Afternoon free time for shopping or individual visits. And short trip to S. Apollinare in Classe, just 4 km. away. Return to Rimini in the afternoon.



Castle of SAN LEO and GRADARA: Tuesday, October 7th

Duration: 8 hours by bus 9 am - 4 pm
Price per person: € 90,00
Meeting point at the Congress venue
h. 8,45 a.m., transfer by bus

Departure from Rimini by bus to San Leo e Gradara for a full-day guided tour.

Gradara is situated at 142 metres above sea level, with the Republic of San Marino, Rimini and Carpegna in the background, Gradara represents an extraordinary urban and architectural combination. Legend has it that the castle was the scene of the famous and tragic love story of Paolo and Francesca, caught in each other's arms and killed by Gianciotto, Francesca's husband. This love story was immortalized by Dante in his Divine Comedy. Lunch will be organised in a typical Agriturismo with local dishes. The fort of San Leo, praised by Machiavelli, is one of the most impressive and inaccessible throughout Italy: was built in the manner in which we see today by Francesco di Giorgio Martini (fifteenth century), the architect of Montefeltro. Right here in 1789, in the dark prison derived from a more ancient fortress, was imprisoned until the death of Count Cagliostro, a great adventurer and mysterious alchemist, condemned by the Holy Inquisition. Return to Rimini in the afternoon.



SPONSORS

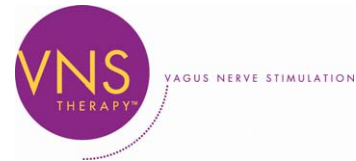
We thank the following sponsors for their precious support to the

XVIII Congress of the European Society for Stereotactic and Functional Neurosurgery **ESSFN**

Gold Sponsor



Major Sponsor



and



PRECISIS^{AG}

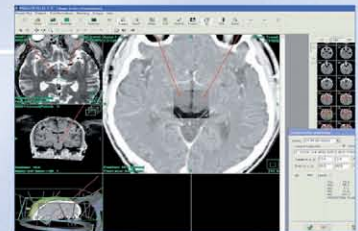
Heidelberg · Germany

Visit us during the ESSFN 2008
at booth No. 15

Neurosurgery ◦ Stereotaxy ◦ Radiosurgery

Praezis Plus[®] Planning System for Stereotactic Neurosurgery

- Deep Brain Stimulation
- Image Fusion and Intraoperative imaging
- Iodine-125 Seed Implantation
- For major stereotactic systems



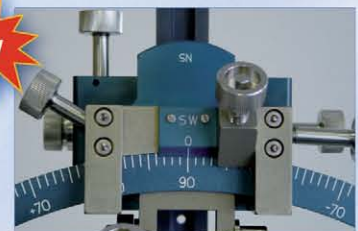
SD-System SP[®] Stereotactic Drill System SP

- Safe and simple handling
- High precision
- Free from vibrations, no tissue warming
- Small drill hole



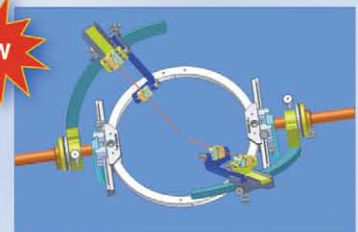
TA-System[®] Stereotactic Targeting System TA

- The only system available today using polar coordinates
- Extended angle range – extended accessibility
- Low weight – high stability
- Titanium version available, tolerates aggressive sterilisation



CAAT[®] Complete Access with Advanced Technology

- exchangeable arc length; two arcs on same ring option
- Center of arc system; CT and MR compatibility
- instrument (dove tail) compatibility
- instrument holder centric for all instrument diameters



RIXIS[®] Robotical Intraoperative X-ray Imager for Stereotaxy

- Remote controlled orthogonal x-ray system
- Programmable
- Laser targeting
- Filmless option



PTS-System SP[®] Patient Transport and Surgery System SP

- Patient is fixed on transportation plate for imaging and for surgery
- Patient transfer without lifting the patients weight
- Integrated with Stereotaxy System SP
- Surgery table included





Pictures from "Assessorato al Turismo della Provincia di Rimini" Archives
Authors: F. Sancisi, M. Paritani

Cod V1 - stampato settembre 2008

www.essfn.org

Organizing Secretariat



CSR Congressi srl
Via Matteotti, 35
40057 Cadriano di Granarolo E.
Bologna BO, Italy
Phone + 39 051 765357
Fax + 39 051 765195
Email: info@csrcongressi.com
www.csrcongressi.com