



**BSN**

Belgian Society of Neurosurgery n.p.o.  
Belgische Vereniging voor Neurochirurgie v.z.w.  
Soci t  Belge de Neurochirurgie a.s.b.l.

## PROGRAMME - PROGRAMMA

REUNION SCIENTIFIQUE

SAMEDI 20 MARS 2010

WETENSCHAPPELIJKE VERGADERING

ZATERDAG 20 MAART 2010

*Amphith tres de l'Europe - Domaine du Sart-Tilman  
Boulevard du Rectorat, 13 - LIEGE*

*Avec la collaboration de*



Bayer HealthCare  
Bayer Schering Pharma



# BSN

Belgian Society of Neurosurgery n.p.o.  
Belgische Vereniging voor Neurochirurgie v.z.w.  
Soci t  Belge de Neurochirurgie a.s.b.l.

## *Praktische inlichtingen:*

Gratis toegang voor:

- Leden die hun lidgeld betaald hebben
- Assistenten in opleiding

50 € inschrijving voor niet-leden

Leden die hun lidgeld niet betaald hebben, krijgen gelegenheid zich op de vergadering in regel te stellen.

## *Informations pratiques :*

Pas de droit d'inscription pour :

- Les membres en ordre de cotisation
- Les assistants en formation

50 € pour les non membres

Les membres qui ne sont pas en ordre de cotisation seront invit s   r gulariser le paiement lors de la r union.

## 8:30 ACCUEIL - ONTHAAL

## 9:00 SESSION 1: SPINE AND TUMOR

### **Prediction of instability in unilateral facet fractures of the subaxial cervical spine**

B. Depreitere, S. De Vleeschouwer, Ph. Demaerel, G. Wilms, J. Goffin  
DEPT. OF NEUROSURGERY AND DEPT. OF RADIOLOGY, UZ LEUVEN

### **Radioscopic comparison of motion patterns of patients operated with a Bryan Cervical Disc Prosthesis versus asymptomatic volunteers**

J. Walraevens (1), J. Vander Sloten (1), P. Suetens, (2), J. Van Loon, (3), F. Van Calenbergh (3), J. Goffin (3)  
(1) DIVISION OF BIOMECHANICS AND ENGINEERING DESIGN, KULEUVEN, (2) CENTER FOR PROCESSING SPEECH AND IMAGES, ESAT/PSI, KULEUVEN, (3) DIVISION OF EXPERIMENTAL NEUROSURGERY AND NEUROANATOMY, UZ LEUVEN

### **A prospective review of perioperative and early complications of reconstructive cervical spine procedures in 119 patients in a large spine centre**

R. Rasschaert (1,2), W.C. Peul (1,3)  
(1) MC HAAGLANDEN, DEN HAAG, (2) UZA, ANTWERPEN, (3) LUMC, LEIDEN

### **Dendritic cell-based tumor vaccination integrated in postoperative radiochemotherapy for newly diagnosed glioblastoma patients: results of a phase I/II trial HGG2006**

H. Ardon (1,2), S. Van Gool (2,3), F. Van Calenbergh (1), G. Wilms (4), R. Sciot (5), J. Menten (6), P. Clement (7), J. Van Loon (1), J. Goffin (1) and S. De Vleeschouwer (1,2).  
(1) DEPT. OF NEUROSURGERY, (2) LABORATORY OF EXP IMMUNOLOGY, (3) DEPT. PED. ONCOLOGY, (4) DEPT. RADIOLOGY, (5) DEPT. PATHOLOGY, (6) DEPT. RADIOTHERAPY, (7) DEPT. MEDICAL ONCOLOGY, UZ LEUVEN

### **Radiosurgery as alternative or adjuvant treatment to surgery for brain metastases**

S. Schuind, D. Devriendt, F. Desmedt, O. De Witte, N. Massager  
GAMMA KNIFE CENTER, DEPT. OF NEUROSURGERY, ULB HOSPITAL ERASME

### **The relation between brain tumor and depression**

K. Hebbrecht (3), AM. Pinxten (3), K. Vanhorenbeek (2), D. Peuskens (1), Th. Daenekindt (1), J. Wuyts (1), F. Weyns (1,3)  
(1) DEPT. OF NEUROSURGERY, ZIEKENHUIS OOST-LIMBURG, (2) DEPT. OF PSYCHOLOGY ZIEKENHUIS OOST-LIMBURG, (3) FACULTY OF MEDICINE UHASSELT

### **Surgical outcome for acromegaly: a single center experience**

T. Theys (1), M. Bex (2), M. Jorissen (3), V. Vander Poorten (3), J. Van Loon (1)  
(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF ENDOCRINOLOGY, (3) DEPT. OF OTORHINOLARYNGOLOGY, UZ LEUVEN

## 10:10 COFFEE BREAK & POSTER SESSION

### **Pedicle screw placement for lumbar spine fusion without navigation: is it still acceptable?**

V. Scordidis (1), X. Willems (2)

(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF RADIOLOGY, CNDG GOSSELIES

### **Biomechanical testing of a simulation of non-instrumented lumbar facet joint fusion**

J. Vander Sloten (1), J. Walraevens (1), B. Depreitere (2)

(1) DIVISION OF BIOMECHANICS AND ENGINEERING DESIGN, (2) DIVISION OF EXPERIMENTAL NEUROSURGERY AND NEUROANATOMY, KULEUVEN

### **Cement-augmented pedicular screws in treatment of osteoporotic pathology. Technical aspects and preliminary results**

T. Racaru, Nguyen-Khac, N. Pellegrini, A. Dubuisson, B. Kaschten, J. Lenelle, D. Martin

DEPT. OF NEUROSURGERY, CHU LIEGE

### **Xanthogranuloma of the suprasellar region**

J. Van Oostveldt (1), F. Weyns (1,2), S. Fransis (1), D. Peuskens (1), J. Wuyts (1)

(1) ZIEKENHUIS OOST LIMBURG, GENK, (2) DEPT. OF MORPHOLOGY, HASSELT UNIVERSITY

### **Unexpected progression of tectal astrocytoma after 35 years of indolence**

H. Delye (1), G. Wilms (2), K. Van Laere (3), R. Sciot (4), J. Menten (5), S. De Vleeschouwer (1)

(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF RADIOLOGY, (3) DEPT. OF NUCLEAR MEDICINE, (4) DEPT. OF PATHOLOGY, (5) DEPT. OF RADIOTHERAPY, UZ LEUVEN

### **Pan-spinal dissemination from a supratentorial primitive neuroectodermal tumor**

N. Pellegrini (1), M.T. Nguyen Khac (1), T. Racaru (1), C. Castrono (2), C. Gennigens (2), M. Deprez (3), D. Martin (1)

(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF ONCOLOGY, (3) DEPT. OF NEUROPATHOLOGY, CHU LIEGE

### **Fusion of preoperative MRI and intraoperative US images in brain tumour surgery**

H. Colle, B. Noens, G. Alessi, B. D'haen, L. De Waele

AZ ST-LUCAS, GENT

### **Eosinophilic granuloma of C5 mimicking a tumor in a teenager**

J. Deckers (1), J. Vandevenne (2), P. Van Eyken (3), Th. Daenekindt (1), D. Peuskens (1), K. Engelborghs (1), F. Weyns (1,4), J. Wuyts (1), J. Ceuppens (1)

DEPTS. OF (1) NEUROSURGERY, (2) RADIOLOGY AND (3) PATHOLOGY, ZOL, GENK AND (4) UNIVERSITY HASSELT

### **Cervical meningomyelocele: case report of a rare entity**

J. Ceuppens (1), R. Van Hoestenbergh (2), T. Daenekindt (1), J. Deckers (1), D. Peuskens (1), K. Engelborghs (1), J. Wuyts (1), F. Weyns (1,3)

DEPTS. OF (1) NEUROSURGERY AND (2) NEUROPEDIATRICS, ZOL, GENK, AND (3) UNIVERSITY HASSELT

### **Rupture of a flow-related vertebral confluence aneurysm in an older patient with subclavian steal syndrome**

S. De Vleeschouwer (1), H. Delye (1), L. De Jong (1), G. Wilms (2), G. Malleux (2)

(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF RADIOLOGY - NEURORADIOLOGY, UZ LEUVEN

### **Uncomplicated 8 years follow-up of a pineocytoma: case report. Review of natural history and recent attitudes in case of pineocytoma, pineal parenchymal tumors WHO grades II-IV and papillary tumor of the pineal region**

M. Thys (1), P. Thys (1), V. Tonnelle (1), R. Duhem (1), C. Ide (2)

(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF RADIOLOGY, GHD CHARLEROI

### **Neuropathic hemi-thoracic and leg pain after multiple spinal interventions treated with spinal cord stimulation: a case report**

M. Moens (1), A. De Smedt (2), S. Droogmans (3), J. D'Haens (1)

(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF NEUROLOGY, (3) DEPT. OF RADIOLOGY, UZ BRUSSEL

### **Tumor control and functional outcome after Gamma Knife Radiosurgery for cavernous sinus meningioma using a 12-Gy dose**

N. Benmebarek (1,2), D. Devriendt (1), F. Desmedt (1), P. David (1), O. De Witte (1,2), N. Massager (1,2)

(1) GAMMA KNIFE CENTER AND (2) DEPT. OF NEUROSURGERY, ULB HOPITAL ERASME, BRUSSELS

**Tumor control and functional outcome after Gamma Knife Radiosurgery for petroclival meningioma using a 12-Gy dose**

E. Theret (1,2), D. Devriendt (1), F. Desmedt (1), P. David (1), O. De Witte (1,2), N. Massager (1,2)  
(1) GAMMA KNIFE CENTER AND (2) DEPT. OF NEUROSURGERY, ULB HOPITAL ERASME, BRUSSELS

**Major tumor shrinkage of hemangiopericytomas after Gamma Knife irradiation**

M. Aggad (1,2), D. Devriendt (1), F. Desmedt (1), O. De Witte (1,2), N. Massager (1,2)  
(1) GAMMA KNIFE CENTER, (2) DEPT. OF NEUROSURGERY, ULB HOPITAL ERASME, BRUSSELS

**Proposal for standardised anatomo-functional representation for cortico-subcortical mapping**

H. Colle (1), C. vander Linden (2), B. Noens (1), G. Alessi (1), B. D'haen (1), L. De Waele (1)  
DEPTS. OF (1) NEUROSURGERY AND (2) NEUROLOGY, AZ ST-LUCAS GENT

**Extrusion of a ventriculoperitoneal shunt catheter through an appendicovesicostomy: Case report**

L. de Jong, F. Van Der Aa, D. De Ridder, F. Van Calenbergh  
UZ LEUVEN

**Postoperative sialadenitis with chronic brachial plexopathy**

G. Reuter, T. Racaru, M.T. Nguyen-Khac, A. Dubuisson, B. Kaschten, J. Lenelle, D. Martin  
DEPT. OF NEUROSURGERY, CHU LIEGE

**Topographical anatomy of the vertical parasagittal hemispherotomy according to Delalande based on cadaveric brain dissections**

S. De Muyne (1,2), J. Deckers (3), R. Lapré (1), J. Goffin (2), J. Van Loon (1,2)  
(1) LABORATORY OF NEUROANATOMY, (2) DEPT. OF NEUROSURGERY, UZ LEUVEN, (3) ZOL, GENK

**Peripheral nerve neuropathy, caused by synovial cysts: a review of 14 cases**

F. Weyns (1,2), T. Bringmans (1), P. Gorissen (1), H. Leben (1), E. Thys (1), A. Van Goethem (2), Th. Daenekindt (2), J. Wuyts (2)  
(1) UNIVERSITY HASSELT, FACULTY OF MEDICINE, (2) DEPT. OF NEUROSURGERY, ZOL, GENK

**Cerebral amyloid angiopathy related inflammation and intracerebral hemorrhage: a case report**

K. Vanchaze (1), H. Delye (1), R. Sciot (2), F. Van Calenbergh (1)  
(1) DEPT. OF NEUROSURGERY, (2) DEPT. OF PATHOLOGY, UZ LEUVEN

**Low-Pressure Hydrocephalus: a case where normal intracranial pressure leads to neurological deterioration**

R. Rasschaert (1,2), J.A.L. Wurzer (1)  
(1) MC HAAGLANDEN, DEN HAAG, (2) UZA, ANTWERPEN

**Endoscopic fenestration of a giant arachnoid cyst : case report and review of the literature**

J. Wuyts (1), W. Van De Casseye (2), Th. Daenekindt (1), J. Deckers (1), D. Peuskens (1), K. Engelborghs (1), F. Weyns (1,3), J. Ceuppens (1)  
DEPTS. OF (1) NEUROSURGERY AND (2) PEDIATRICS, ZOL, GENK, (3) UNIVERSITY HASSELT

## **11:00 SESSION 2: PEDIATRIC AND VASCULAR**

### **Early floating forehead advancement procedure in craniofacial synostoses: assessment of technique, results and outcome in 88 consecutive children**

B. Pirotte, A. Aeby, C. Fricx, D. Detemmerman, N. Van Cutsem, Y. Hennequin, P. Van Bogaert  
DEPTS. OF NEUROSURGERY, NEUROPEDIATRICS, AND NEONATOLOGY, ULB HOPITAL ERASME, BRUSSELS

### **Clinical characteristics, radiological findings, and surgical outcome in 25 cases of childhood tight filum syndrome**

E. Cornips (1), I. Vereijken (1), E. Beuls (1), L. van Rhijn (2), P. Callewaert (3), J. Weber (4), J. Vles (4)  
DEPTS (1) OF NEUROSURGERY, (2) ORTHOPEDICS, (3) CHILD UROLOGY, AND (4) CHILD NEUROLOGY, UMC MAASTRICHT

### **Recovery of third nerve palsy after endovascular treatment of posterior communicating artery aneurysms**

S. Kassis, E. Jouanneau, F. Tahon, F. Salkine, G. Perrin, F. Turjman  
DEPT. OF NEUROSURGERY, P. WERTHEIMER NEUROLOGICAL HOSPITAL, LYON

### **Brainstem cavernomas: a surgical series of 15 patients**

J. Dejaegher, J. van Loon, S. De Vleeschouwer, B. Depreitere, J. Goffin, F. Van Calenbergh  
DEPT. OF NEUROSURGERY, UZ LEUVEN

### **Clinical complications after temporary arterial clipping in 100 consecutive patients harboring unruptured intracranial aneurysms**

G. Vaz, A. Hima Maiga, M. Lawson, C. Raftopoulos  
DEPT. OF NEUROSURGERY, UCL ST. LUC, BRUSSELS

### **Management of pericallosal aneurysms**

G. Koerts, G. Ribeiro-Vaz, P. Goffette, C. Raftopoulos  
DEPT. OF NEUROSURGERY, UCL ST. LUC, BRUSSELS

**12:00 ASSEMBLEE GENERALE ORDINAIRE DE LA SOCIETE BELGE DE NEUROCHIRURGIE  
GEWONE ALGEMENE VERGADERING VAN DE BELGISCHE VERENIGING VOOR NEUROCHIRURGIE**

- Rapport du Président – Verslag van de voorzitter
- Rapport du Secrétaire – Verslag van de secretaris
- Rapport du Trésorier – Verslag van de penningmeester
- Elections du Bureau – Verkiezing van het bestuur
- Nouveaux membres – Nieuwe leden

**12:30 RAPPORT DE LA SECTION DE NEUROCHIRURGIE STEREOTACTIQUE ET FONCTIONNELLE  
VERSLAG VAN DE AFDELING VOOR STEREOTACTISCHE EN FUNCTIONELE NEUROCHIRURGIE**

- Rapport du Président – Verslag van de voorzitter

**12:40 RAPPORT DE LA BELGIAN NEUROSURGICAL SPINE SECTION**

- Rapport du Président – Verslag van de voorzitter

**12:50 ASSEMBLEE GENERALE ORDINAIRE DU GROUPEMENT PROFESSIONNEL DE  
NEUROCHIRURGIE (GBN)  
GEWONE ALGEMENE VERGADERING VAN DE BEROEPSVERENIGING VOOR NEUROCHIRURGIE**

- Rapport du Président – Verslag van de voorzitter
- Rapport du Secrétaire – Verslag van de secretaris
- Rapport du Trésorier – Verslag van de penningmeester
- Elections – Verkiezingen
- Nouveaux membres – Nieuwe leden

**13:00 WALKING LUNCH & TECHNICAL EXHIBITION**

## 14:30 BAYER SCHERING PHARMA AWARD

- Presentation of the results of the 2007 laureate
- Delivery of the 2010 BAYER SCHERING PHARMA award
- Presentation of the project of the 2010 laureate

## 14:50 POSTER-PRIZE OF THE BELGIAN SOCIETY FOR NEUROSURGERY

Delivery of the 2010 award

## 15:00 SPECIAL SESSION: TRIBUTE TO JACQUES BROTCHE, PAST PRESIDENT OF THE WFNS

The BSN is honored to count among its members Jacques Brotchi, the elect-president of the WFNS from 2005 to 2009. The board has proposed to honor this exceptional contribution to the development of neurosurgery by a ceremony.

The ceremony is highlighted by a conference given by Peter Black, the actual president of the WFNS

### ***Minimally Invasive Image-guided Neurosurgery, Professeur Peter BLACK*** **President of the World Federation of the Neurosurgical Societies**

Brigham and Women's Hospital – BOSTON, USA

## 16:00 SESSION 4: STEREOTACTIC AND OTHER

### **Results of Gamma Knife Radiosurgery for trigeminal neuralgia using a 90-Gy dose**

L. Abeloos (2), D. Devriendt (1), F. Desmedt (1), P. David (1), O. De Witte (1,2), N. Massager (1,2)  
(1) GAMMA KNIFE CENTER AND (2) DEPT. OF NEUROSURGERY, ULB HOSPITAL ERASME

### **Early imaging response of brain tumors after Gamma Knife irradiation**

N. Massager (1,2), P. David (1), F. Desmedt (1), O. De Witte (1,2), D. Devriendt (1)  
(1) GAMMA KNIFE CENTER AND (2) DEPT. OF NEUROSURGERY, ULB HOSPITAL ERASME

### **Incorporation of M.E.G. data in the stereotactic planning to improve placement of S.E.E.G. electrodes in the preoperative evaluation for epilepsy surgery**

N. Massager, B. Legros, X. De Tiege, P. Van Bogaert, O. De Witte  
CLINIC OF STEREOTACTIC AND FUNCTIONAL NEUROSURGERY, DEPT. OF NEUROSURGERY, ULB HOSPITAL ERASME

### **Successful sensory cortex stimulation in a case of loss of pain relief by motor cortex stimulation**

D. Colle, F. Dewaele, D. Van Roost  
DEPT. OF NEUROSURGERY, UZ GENT

### **In-vivo evaluation of brain motion and deformation patterns by magnetic resonance imaging and relation with cerebral contusion etiology**

A.G. Asiminei (1), B. Depreitere (1), J. Vander Sloten (2), I. Verpoest (3), J. Goffin (1)  
(1) DEPT. OF NEUROSURGERY, UZ LEUVEN, (2) BMGO KULEUVEN, (3) MTM KULEUVEN

### **Propionibacterium acnes in neurosurgery: weak in cultures, stronger under scalp**

M.T. Nguyen Khac, T. Racaru, N. Pellegrini, A. Dubuisson, B. Kaschten, J. Lenelle, C. Franssen, D. Martin  
DEPT. OF NEUROSURGERY, CHU LIEGE

## 17:00 END OF THE MEETING

*Avec la collaboration de*



**Bayer HealthCare**  
**Bayer Schering Pharma**