

Scientific Program (*updated to July 15, 2009*)

Thursday, September 17, 2009

18th *Advanced Course* “NEW INSIGHTS IN WHITE MATTER DISEASES”

Lecture Hall “TERPSICHORE” (Diagnostic)

- Chairpersons : Olof Flodmark (Sweden), Stephanos Lahanis (Greece)*
- 08:30–09:00 **Myelin maturation and white matter development: an embryologic eye view.**
John Hesselink (USA)
- 09:00–09:30 **Concepts of myelin and myelination in MRI**
John Hesselink (USA)
- 09:30–10:00 **Conventional, diffusion and magnetization transfer MRI in the study of myelination.**
Maria Argyropoulou (Greece)
- 10:00–10:30 **White-matter diseases: radiologic-pathologic correlation**
James Smirniotopolous (USA)
- 10:30–11:00 **Coffee Break**
- Chairpersons : John Hesselink (USA), Clementine Karageorgiou (Greece)*
- 11:00–11:30 **New clinicopathological perspectives in MS**
Ludwig Kappos (Switzerland)
- 11:30–12:00 **New diagnostic criteria in MS**
Frederik Barkhof (The Netherlands)
- 12:00–12:30 **Monitoring therapy in MS**
Ernst Wilhelm Radue (Switzerland)
- 12:30–13:00 **White matter lesions in ageing and dementia**
Frederik Barkhof (The Netherlands)
- 13:00–14:30 **Lunch**
- Chairpersons : Pia Sundgren (Sweden), Frederik Barkhof (The Netherlands)*
- 14:30–15:00 **Therapeutic effects on white matter**
Alex Rovira (Spain)
- 15:00–15:30 **MRI pattern recognition in white matter disorders**
MarjoVan der Knaap (The Netherlands)
- 15:30–16:00 **Coffee Break**
- Chairpersons : Pia Sundgren (Sweden), Frederik Barkhof (The Netherlands)*
- 16:00–16:30 **MRI definition of novel white matter disorders.**
MarjoVan der Knaap (The Netherlands)
- 16:30–17:00 **Differential diagnosis of white matter lesions at high-field MR.**
Majda Thurnher (Austria)
- 17:00–17:30 **Parcelation of the white matter using DTI: insights into the functional connectivity of the brain**
Spyridon Kollias (Switzerland)
- 17:30–18:00 **3-Testa study of the spinal cord white matter**
Luca Albin Riccioli (Italy)
- 19:00 WELCOME RECEPTION at Hilton Galaxy Terrace**

Thursday, September 17, 2009

2nd *Advanced Interventional* “**SPINE AND SPINAL CORD**”

Lecture Hall “HESPERIDES” (Interventional)

- 08.30-10.30 SPINAL VASCULAR MALFORMATIONS**
Chairpersons : Luc Picard (France), Anton Valavanis (Switzerland)
- 08:30–9:00 **Classification of spinal cord arteriovenous malformations**
 Timo Krings (Canada)
- 09:00–9:30 **Imaging of the spinal vascular malformations**
 Robert Nijenhuis (The Netherlands)
- 09:30–10:00 **Intrinsic spinal cord AVMs**
 Georges Rodesch (France)
- 10:00–10:30 **Dural AVMs of the spinal cord**
 Anton Valavanis (Switzerland)
- 10:30–11:00 **Coffee Break**
- 11.00–17.30 SPINE TREATMENTS ACROSS EUROPE**
Chairpersons : Jean Baptiste Martin (Switzerland), Spyridon Kavvadias (Greece)
- 11:00–11:30 **Tumor ablation of the spine**
 Afshin Gangi (France)
- 11:30–12:00 **Disc herniation: diagnostic procedures**
 Alexis Kelekis (Greece)
- 12:00–12:30 **Disc herniation: therapeutic procedures**
 Cosma Andreula (Italy)
- 12:30–13:00 **Disc ozone therapy: does it replace surgery?**
 Mario Muto (Italy)
- 13:00–14:30 **Lunch**
- Chairpersons : Jacques Chiras (France), Charalambos Drossos (Greece)*
- 14:30–15:00 **Advances in percutaneous treatment of low back pain**
 Jacques Theron (France)
- 15:00–15:30 **Percutaneous treatment of the cervical spine**
 Giovanni Carlo Anselmetti (Italy)
- 15:30–16:00 **Coffee Break**
- Chairpersons : Jacques Chiras (France), Charalambos Drossos (Greece)*
- 16:00–16:30 **Kyphoplasty. Better or worse than vertebroplasty?**
 Kai Wilhelm (Germany)
- 16:30–17:00 **Vertebroplasty. What’s new?**
 Hendrik Fransen (Belgium)
- 17:00–17:30 **Treatments for sciatica mimics: facets and sacroiliac joints**
 Massimo Gallucci (Italy)
- 19:00 WELCOME RECEPTION at Hilton Galaxy Terrace**

Friday, September 18, 2009

Morning

Lecture Hall “TERPSICHORE”

- 08:00–09:15 REFRESHER COURSE D I: The brain movement disorders**
Chairpersons : Jordi Rusalleda (Spain), Panayotis Toulas (Greece)
MRI biomarkers of Parkinson disease and Parkinsonian disorders: State of the art
 Maria Grazia Bruzzone (Italy)
Neuroimaging challenges in abnormal movement diseases
 Beatriz M. Gomez-Anson (Spain)
Present role of nuclear medicine in the diagnostic work-up of cognitive impairment in Lewy body disease
 Zuzane Walker (United Kingdom)
When and how should patients with movement disorders be imaged, if at all
 Tarek Yousry (United Kingdom)
- 09:15–10:30 OPENING CEREMONY**
ESNR Awards
European Society of Neuroradiology: 40 years. A long way towards maturity
 Luc Picard (France)
- 10:30–11:00 **Coffee Break**
- 11:00–11:25 STATE OF THE ART LECTURE**
Chairpersons : Athanassios D. Gouliamos (Greece)
- 11:00–11:25 **Neuroradiology between Hippocratic encephalocentrism and Aristotelian cardiocentrism**
 Anton Valavanis (Switzerland)
- 11:25–13:00 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Guido Wilms (Belgium), Aggelik Tavernaraki (Greece)
- 11:25–11:50 **Low grade gliomas; can we predict tumor behaviour from imaging features?**
 Charles Romanowski (United Kingdom)
- 11:50–13:00 **Scientific Papers 1 (TE1): Imaging of brain tumors-multimodality approach I**
- 13:00–14:00 **Lunch**
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Afternoon

- 14:00–14:25 LECTURE**
Chairpersons : Athanasios Dimitriadis (Greece)
- 14:00–14:25 **Radiologic grading of Astrocytoma**
 James Smirniotopolous (USA)
- 14:25–16:00 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Dimitrios Vasilopoulos (Greece), Goraj Bozena (The Netherlands)
- 14:25–14:50 **Present role of nuclear medicine in the diagnostic work-up of brain tumors**
 Klaus Tatsch (Germany)

14:50–16:00	Scientific Papers 2 (TE2): Inflammatory and demyelinating diseases of the brain I
16:00–16:30	Coffee Break
16:30–17:45	LECTURE AND SCIENTIFIC PAPERS <i>Chairpersons : Jim Smirniotopoulos (USA), Jerzy Walecki (Poland)</i>
16:30–16:55	Neuroimaging contributes to the diagnosis, management and prognosis of patients with craniocerebral trauma Paul Parizel (Belgium)
16:55–17:45	Scientific Papers 3 (TE3): Imaging in epilepsy
17:45–18:45	Case based review session: The brain Anne Osborn (USA)
21.30	PRESIDENT DINNER

Friday, September 18, 2009

Morning

Lecture Hall “Hesperides”

- 08:00–09:15 REFRESHER COURSE INT 1: Aneurysm treatment by modelling of flow**
Chairpersons : Marco Leonardi (Italy), James Byrne (UK)
Potentials of flow modelling in cerebral aneurysms
 Daniel Rufenacht (Switzerland)
Flow diversion for the treatment of complex cerebral aneurysms
 Jacques Moret (France)
Different flow diversion concepts in the endovascular aneurysms treatment
 Saruhan Cekirge (Turkey)
Pipeline embolization device for the treatment of cerebral aneurysms
 Istvan Szikora (Hungary)
- 10:30–11:00 **Coffee Break**
- 11:25–13:00 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Luc Picard (France), Panayotis Vlahopoulos (Greece)
- 11:25–11:50 **The possible use of flow diverting stens in the treatment of large-giant cerebral aneurysms**
 Marco Leonardi (Italy)
- 11:50–13:00 **Scientific Papers 4 (HE1) : Interventional—aneurysms**
- 13:00–14:00 **Lunch**
- 13:00–14:00 SATELLITE SESSIONS**

Afternoon

- 14:00–16:00 LECTURES AND SCIENTIFIC PAPERS**
Chairpersons : Rudiger von Kummer (Germany), Menno Sluzewski (The Netherlands)
- 14:00–14:25 **Hemorrhagic intracranial dissections**
 Serge Bracard (France)
- 14:25–14:50 **Treatment of wide neck aneurysms with balloon remodelling**
 René Chapot (France)
- 14:50–16:00 **Scientific Papers 5 (HE2): Interventional—aneurysms and AVMs**
- 16:00–16:30 **Coffee Break**
- 16:30–17:45 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Anton Valavanis (Switzerland), Dimitrios Rologis (Greece)
- 16:30–16:55 **The unruptured aneurysm controversy**
 Andrew Molyneux (United Kingdom)
- 16:55–17:45 **Scientific Papers 6 (HE3) : Interventional—stroke I**

Friday, September 18, 2009

Morning

Lecture Hall “THALIA”

Chairpersons : Nuno Canto-Moreira (Portugal), George Karas (The Netherlands)
11:50–13:00 **Scientific Papers 16 (TH1): Inflammatory and demyelinating diseases of the brain II**
13:00–14:00 **Lunch**

Afternoon

Chairpersons : Sotiris Giouroukos (Greece), P. Krupa (Czech Republic)
14:50–16:00 **Scientific Papers 17 (TH2): Pediatric neuroradiology I**
16:00–16:30 **Coffee Break**
Chairpersons : Gaida Krumina (Latvia)
16:55–17:45 **Scientific Papers 18 (TH3): Demyelinating diseases III**

Saturday, September 19, 2009

Morning

Lecture Hall “TERPSICHORE”

- 08:15–09:45 REFRESHER COURSE D II**
Chairpersons : E. Turgut Tali (Turkey), Nickolas Papanikolaou (Greece)
New imaging modalities in clinical practice. The top 5 clinical questions answered by:
Spectroscopy
 Efsthathios Gotsis (Greece)
DWI
 Majda Thurnher (Austria)
PWI
 Paul Parizel (Belgium)
DTI
 Stefan Sunaert (Belgium)
f-MRI
 Spyridon Kollias (Switzerland)
- 09:45–10:15 LECTURE**
Chairpersons : Kyriakos Strigaris (Greece)
- 09:45–10:15 **CNS involvement in autoimmune diseases**
 Nicholas Patronas (USA)
- 10:15–10:45 **Coffee Break**
- 10:45–12:10 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Danielle Balériaux (Belgium), Eftychia Kapsalaki (Greece)
- 10:45–11:10 **Low back pain. Use or abuse of advanced imaging?**
 Spyros Karampekios (Greece)
- 11:10–12:10 **Scientific Papers 7 (TE4): Imaging of the spine and spinal cord**
- 12:10–13:15 REFRESHER COURSE D III: Pediatric neuroradiology**
Chairpersons : Paolo Tortori Donati (Italy), Ioannis Nikas (Greece)
Training in fetal MRI-where we stand, where we should go
 Daniela Prayer (Austria)
MR advances in perinatal tensor diffusion imaging
 Guy Sebag (France)
Congenital and acquired pediatric cerebrovascular disorders
 Andrea Rossi (Italy)
- 13:15–14:15 ESNR GENERAL ASSEMBLY
- 14:15–15:00 **Lunch**
- 14:15–15:00 **SATELLITE SESSIONS**

Afternoon

- 15:00–16:50 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Stefan Sunaert (Belgium), Efrosini Z. Papadaki (Greece)

15:00–15:25	Neuroradiology in UEMS — a new professional development in Europe Olof Flodmark (Sweden)
15:25–16:50	Scientific Papers 8 (TE5): Advanced imaging modalities I
16:50–17:15	Coffee Break
17:15–18:30	LECTURE AND SCIENTIFIC PAPERS <i>Chairpersons : Paul Parizel (Belgium), Ioannis Andreou (Greece)</i>
17:15–17:40	Viral-Prion diseases of the CNS Turgut Tali (Turkey)
17:40–18:30	Scientific Papers 9 (TE6): Free topics
18:30–19:30	Case based review session: The Spine Johan van Goethem (Belgium)
21:30	GALA DINNER

Saturday, September 19, 2009**Morning***Lecture Hall “HESPERIDES”*

- 08:15–09:25 REFRESHER COURSE INT II: Endovascular treatment of acute stroke**
Chairpersons : Claude Manelfe (France), E. Arhodakis (Greece)
Acute stroke. Diagnostic assessment of the cerebral thrombolysis candidate
 Catherine Oppenheim (France)
Intra-arterial thrombolysis in acute ischemic stroke
 Rudiger Von Kummer (Germany)
Mechanical thrombectomy for revascularization in acute ischemic stroke
 Martin Schumacher (Germany)
- 09:25–10:15 LECTURES**
Chairpersons : Augusto Goulão (Portugal), Georges Rodesch (France)
- 09:25–09:50 **Angioarchitectural analysis and treatment strategy in BAVMs**
 George Magoufis (Greece)
- 09:50–10:15 **Treatment of BAVMs. Case selection for glue vs Onyx.**
 James Byrne (United Kingdom)
- 10:15–10:45 **Coffee Break**
- 10:45–13:15 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Martin Schumacher (Germany), Achilleas Chatziioannou (Greece)
- 10:45–11:10 **Endovascular treatment of intracranial atherosclerotic disease**
 Juergen Reul (Germany)
- 11:10–13:15 **Scientific Papers 10 (HE4): Interventional stroke II**
- 14:15–15:00 **Lunch**
- 14:15–15:00 SATELLITE SESSIONS**

Afternoon

- 15:00–16:50 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Pedro Vilela (Portugal), Karl Olof Lovblad (Switzerland)
- 15:00–15:25 **Stroke in the young adult etiology and imaging**
 W. K. Kling Chong (United Kingdom)
- 15:25–16:50 **Scientific Papers 11 (HE5): Cerebrovascular disease imaging I**
- 16:50–17:15 **Coffee Break**
- 17:15–18:30 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Marek Sasiadek (Poland), Zulejha Merhemic (Bosnia & Herzegovina)
- 17:15–17:40 **Sellar and parasellar lesions**
 Antonios Drevelegas (Greece)
- 17:40–18:30 **Scientific Papers 12 (HE6): Pediatric neuroradiology II**

Saturday, September 19, 2009

Morning

Lecture Hall “THALIA”

Chairpersons : Chrysoula Samara (Greece), V. Katsaros (Greece)

11:50–12:10 **Scientific Papers 19 (TH4): Imaging of brain tumors-multimodality approach II**

Afternoon

Chairpersons : Catherine Oppenheimer (France), Majda Thurnher (Austria)

15:25–16:50 **Scientific Papers 20 (TH5): Cerebrovascular disease imaging II**

Sunday, September 20, 2009

Morning

Lecture Hall “TERPSICHORE”

- 08:15–09:30 REFRESHER COURSE D IV: Epilepsy**
Chairpersons : Peter Barsi (Hungary), Damianos E. Sakas (Greece)
MR imaging in the presurgical workup of patients with drug resistant epilepsy
Matilda Papathanasiou (Greece)
Novel contrasts to reveal more about the brain in epilepsy
Fergus J. Rugg-Gunn (United Kingdom)
Functional neuroimaging in the preoperative evaluation of language in drug-resistant epilepsy
Elio Maccagnano (Italy)
- 09:30–10:00 LECTURE**
Chairperson : Lambros Vlahos (Greece)
- 09:30–10:00 Hearing loss; imaging of the auditory pathway**
Jan Casselman (Belgium)
- 10:00–10:30 Coffee Break**
- 10:30–12:00 LECTURE AND SCIENTIFIC PAPERS**
Chairpersons : Tatjana Stosic Opincal (Serbia), Nikos Bontozoglou (Greece)
- 10:30–10:55 Paradigm shift in CSF circulation: CSF absorption by brain capillaries instead of arachnoid granulations**
Dan Greitz (Sweden)
- 10:55–12:00 Scientific Papers 13 (TE7): Head and Neck imaging and intervention**
- 12:30–13:30 CLOSING REMARKS**

Sunday, September 20, 2009

Morning

Lecture Hall “HESPERIDES”

8:30-10:00 Scientific Papers 14 (HE7) : Spinal interventions

Chairpersons : Johan van Goethem (Belgium)

10:00–10:30 **Coffee Break**

10:30–12:30 LECTURES AND SCIENTIFIC PAPERS

Chairpersons : Anton Valavanis (Switzerland), Spyridon Kollias (Switzerland)

10:30–10:55 **Intracranial DAVMs. Classification, natural history and treatment planning**

Georges Rodesch (France)

10:55–11:20 **Transarterial Onyx embolization for the treatment of intracranial DAVMs**

Christophe Cognard (France)

11:20–12:30 Scientific Papers 15 (HE8): Advanced imaging modalities II f-MRI, DTI