

SCIENTIFIC PROGRAM

Tutorials

Friday, 20 May 2011

14:00h - 18:30 Basic Tutorials: English

- (T1) Technical Basics
Rainer Brucher (Ulm, Germany)
- (T2) Carotid arteries: Classification of Stenosis
Jürgen Klingelhöfer (Chemnitz, Germany)
- (T3) Sonography of the Vertebral Arteries
Galina Baltgaile (Riga, Latvia)
- (T4) Transcranial Duplex Sonography
Ralf Dittrich (Münster, Germany)
- (T5) Musculoskeletal Ultrasound
Syed Amir Gilani (Lahore, Pakistan)

Hands-on

14:00 – 18:30 Basic Tutorials: German

- (T6) Technische Grundlagen
Mario Siebler (Essen, Germany)
- (T7) A.carotis: Untersuchungstechnik, IMT und Fallstricke
Dirk Sander (Tutzing, Germany)
- (T8) Vertebralarterien: Untersuchung und Fallstricke
Martin Ritter (Münster, Germany)
- (T9) A.carotis: Stenoseklassifikation
Gerhard-Michael von Reutern (Bad Nauheim, Germany)
- (T10) Transkranielle Duplexsonographie: Technik und pathologische Befunde
Felix Schlachetzki (Regensburg, Germany)

Hands-on

13:00 – 18:30 Basic Tutorials: Technicians

(T11) The Technicians' View – Round Table Discussion
Beate Eckenweber, Claudia Leege, Theresia Rhiel (Munich, Germany)

(T12) Untersuchung des Karotisstromgebiets
Marek Jauss (Mühlhausen, Germany)

(T13) Untersuchung der Vertebralarterien
Klaus Gröschel (Göttingen, Germany)

(T14) Transkranielle Duplexsonographie
Erwin Stolz (Giessen, Germany)

Hands-on

Saturday, 21 May 2011

08:00 – 09:40 Advanced Tutorials: Theory

(T15) PFO
Susanne Horner (Graz, Austria)

(T16) Venous system
José Valdueza (Bad Segeberg, Germany)

(T17) Cerebral Parenchyma
Uwe Walter (Rostock, Germany)

(T18) Vasomotoric Reactivity
Bojana Zvan (Ljubljana, Slovenia)

10:10 – 12:10 Advanced Tutorials: Practical demonstrations with video projection

(T19) Cerebral Perfusion
Günter Seidel (Hamburg, Germany)

(T20) Plaque Perfusion
Konrad Stock (Munich, Germany)

(T21) Peripheral Nerves
Henrich Kele (Hamburg, Germany)

(T22) Transcranial Duplex Sonography, Pathological Cases
Marek Jauss (Mühlhausen, Germany)

12:20 – 13:20 TEVA Pre-Conference Lunch-Symposium

How to find a Parkinson patient?

Update on Diagnostic and Therapeutic Options

Uwe Walter (Rostock, Germany), Jürgen Winkler (Erlangen, Germany)

Scientific Sessions

Saturday, 21 May 2011

13:30 – 14:00 **Opening Ceremony**

Chairpersons: E. Bartels (Munich, Germany), D. Russell (Oslo, Norway)

The ESNCH 2011 Lecture of Excellence:

Mechanical Recanalization in Acute Stroke

Thomas Liebig (Cologne, Germany)

14:00 – 15:20 **Session I: Heart & Brain**

Chairpersons: V. Oliveira (Lisbon, Portugal), E. Bartels (Munich, Germany),

(S1) Contribution of microembolic signal detection in cardioembolic stroke
E. Bernd Ringelstein (Münster, Germany)

(S2) Atrial fibrillation: New drugs for stroke prevention
David Russell (Oslo, Norway)

Oral presentations

15.20 – 16.40 **Poster Session I**

Chairpersons:

M. Jauss, P. Traubner, B. Zvan, J.M. de Bray, D. Skoloudik, C. Molina

16:40 – 18:00 **Session II: Stroke, Genetics and Ultrasound**

Chairpersons: T. Shiogai (Kyoto, Japan), V. Demarin (Zagreb, Croatia)

(S3) Genetics & cerebrovascular diseases – think about it!
Martin Dichgans (München, Germany)

(S4) IMT from risk assessment and clinical use to genetic discoveries
Tatjana Rundek (Miami, USA)

Oral presentations

18:00 – 18:45 **Comments on Poster Session I**

Chairpersons: N. Bornstein (Tel-Aviv, Israel), M. Sturzenegger (Bern, Switzerland)

18:45 – 20:30 **Welcome Reception**

Sunday, 22 May 2011

09:00 – 10:30 **Session III: Cerebral Hemodynamics in Ischemic Stroke**

Chairpersons: N. Sternic (Belgrade, Serbia), J. Klingelhöfer (Chemnitz, Germany)

(S5) Importance of collaterals in intracranial arterial stenosis and occlusion
Lawrence Wong (Hong Kong, China)

(S6) Hemodynamic causes of deterioration in acute stroke
Georgios Tsivgoulis (Alexandroupolis, Greece)

Oral presentations

09:00 – 10:30 **Session IV: The Role of Internet in Diagnostics, Training and Research**

Chairpersons: M. Siebler (Essen, Germany), C. Baracchini, (Padova, Italy)

(S7) Internet studies (with online demonstration)
Susanne Horner (Graz, Austria)

(S8) Telestroke – how does it work?
Heiner Audebert (Berlin, Germany)

(S9) Teleultrasound in the surgery theatre
Werner Mess (Maastricht, Netherlands)

(S10) Future applications of remote clinical decisions
Georg Rose (Magdeburg, Germany)

Oral presentations

11:00 – 13:00 **Session V: Therapeutic “no man’s land” – Asymptomatic Carotid Stenosis**

Chairpersons: M. del Sette (Genova, Italy), L. Caplan (Boston, USA)

(S11) Detection and classification: Non-invasive methods and guidelines
László Csiba (Debrecen, Hungary)

(S12) View of a neuroradiologist: CEA - treatment of choice!
Hermann Berger (München, Germany)

(S13) View of a vascular surgeon: CAS - Stenting even better!
Hans-Henning Eckstein (München, Germany)

(S14) Don't touch - best treatment is medical!
Natan Bornstein (Tel-Aviv, Israel)

(S15) Value of neurosonography for decision making?
Kurt Niederkorn (Graz, Austria)

Oral presentations

13:00 – 14:45 **Poster Session II**

Chairpersons:

M. Siebler, P. Turcani, M. Mijajlovic, L. Olah, S. Castellani, G. Baltgaille

13:30 - 14:30 Consensus Meeting: Plaque Perfusion
Chairpersons: E. Vicenzini (Rome, Italy), H. Poppert (Munich, Germany)

14:45 – 16:15 Session VI: Novel Technologies I
Chairpersons: H. Furuhata (Tokyo, Japan), H. Poppert (Munich, Germany)

(S16) Brain perfusion, sonothrombolysis and CNS drug delivery –
neurosonography in 2020
Stephen Meairs (Mannheim, Germany)

(S17) Imaging of plaque perfusion using contrast-enhanced ultrasound
Edoardo Vicenzini (Rome, Italy)

Oral presentations

16:30 - 17:15 Comments on Poster Session II
Chairpersons: M. Kaps (Giessen, Germany), J. Molto (Alicante, Spain)

Monday, 23 May 2011

09:00 – 10:30 Session VII: Veins and Brains
Chairpersons: : J. Carneado (Madrid, Spain), G. Meneghetti, (Padova, Italy)

(S18) Brain drain – hemodynamics of the cerebral venous system
Stefan Schreiber (Berlin, Germany)

(S19) Fact or fiction: Chronic Cerebro-Spinal Venous Insufficiency (CCSVI)
Claudio Baracchini (Padova, Italy)

Oral presentations

11:00 – 13:00 Session VIII: Novel Technologies II
Chairpersons: E. Titianova (Sofia, Bulgaria), A. Alexandrov (Birmingham,AL, USA)

(S20) Act on stroke - Optimize the maturity level of clinical processes and workflow
for stroke diagnosis and treatment
Bernd Hofmann (Erlangen, Germany), E. Bernd Ringelstein (Münster, Germany)

(S21) Functional guidance in intracranial tumor surgery
Bernhard Meyer (Munich, Germany)

(S22) Combined MR-Systems as a chance in stroke diagnostics
Michael Pflaum (Erlangen, Germany)

Oral presentations

14:00 – 15:00 Session IX: My Worst Case / My Best Case

*Chairpersons: F. Schlachetzki (Regensburg, Germany),
E. B. Ringelstein (Münster, Germany)*

Introduction

Felix Schlachetzki (Regensburg, Germany)

Oral presentations

15:00 – 16:00 Session X: Call for Neurosonography Multicenter Trial Collaborators

*Chairpersons: E. B. Ringelstein (Münster, Germany),
F. Schlachetzki (Regensburg, Germany)*

Introduction

E. Bernd Ringelstein (Münster, Germany)

Oral presentations

16:00 - 16:30 Closing Ceremony & Invitation to the 17th ESNCH Meeting 2012

Chairpersons: Eva Bartels (Munich, Germany), Claudio Baracchini (Padova, Italy)

Examination for the International Certification for Neurosonology

Saturday, 21 May 2011

10:10 - 12:10 ESNCH - Theoretical Exam

G.-M. von Reutern, S. Bartels, S. Horner

15:20 – 16.40 ESNCH – Practical Exam

G.-M. von Reutern, S. Bartels, S. Horner

Scientific Topics

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| 1. Contrast enhanced ultrasound | 11. Carotid surgery / Angioplasty |
| 2. Atherosclerotic plaque, IMT | 12. Intraoperative ultrasound |
| 3. Ultrasound in the follow up of stent placement | 13. Ultrasonography in intensive care |
| 4. PFO diagnostics and clinical impact | 14. Neurodegenerative disease |
| 5. Diagnostics in acute stroke management | 15. Ultrasonography in dementia |
| 6. Therapies in acute stroke, sonothrombolysis | 16. Venous system |
| 7. Functional TCD, vasomotor reactivity | 17. Peripheral nerves, muscles |
| 8. Acoustic targeted drug delivery to the brain | 18. Novel technologies |
| 9. Emboli detection | 19. News from the industry |
| 10. Pitfalls in neurosonography, Case reports and my “worst case” | 20. Multicenter studies, registries and call for collaborations |