



16th Meeting of the European Society of Neurosonology and Cerebral Hemodynamics, 20 – 23 May 2011, Munich

Scientific Programme

Friday, May 20, 2011	
14:00 – 18:30	Basic Tutorials (English)
	(T1) Technical Basics: Imaging and Doppler Ultrasound – <i>R. Brucher (Germany)</i> (T2) Carotid arteries: Classification of Stenosis – <i>J. Klingelhöfer (Germany)</i> (T3) Sonography of the Vertebral Arteries – <i>G. Baltgale (Latvia)</i> (T4) Transcranial Duplex Sonography – <i>R. Dittrich (Germany)</i> (T5) Musculoskeletal Ultrasound – <i>S. A. Gilani (Pakistan)</i>
14:00 – 18:30	Basic Tutorials (German)
	(T6) Technische Grundlagen / Technical Basics – <i>Mario Siebler (Germany)</i> (T7) A. carotis: Untersuchungstechnik, IMT und Fallstricke / Carotid artery: Examination Technique, Intima-Media Thickness, Pitfalls” – <i>D. Sander (Germany)</i> (T8) Vertebralarterien: Untersuchung und Fallstricke / Vertebral Arteries – Examination Technique and Pitfalls – <i>M. A. Ritter (Germany)</i> (T9) A. carotis: Stenoseklassifikation / Classification and Grading of Carotid Stenosis – <i>G.-M. von Reutern (Germany)</i> (T10) Transkranielle Duplexsonographie: Technik und pathologische Befunde / Transcranial Duplex Sonography: Technique and Pathological Findings – <i>F. Schlachetzki (Germany)</i>
13:00 – 18:30	Basic Tutorials for Technicians
	(T11) The Technicians' View – Round Table Discussion – <i>B. Eckenweber, C. Leege, T. Rhiel (Germany)</i> (T12) Untersuchung des Karotisstromgebiets / Examination of Carotid Arteries – <i>M. Jauss (Germany)</i> (T13) Untersuchung der Vertebralarterien / The Vertebrovascular Circulation: Pathological Findings and their Clinical Impact on Patient Management – <i>K. Gröschel (Germany)</i> (T14) Transkranielle Duplexsonographie / Transcranial Duplex Sonography – <i>E. Stolz (Germany)</i>
15:30 – 16:00	Coffee Break
Saturday, May 21, 2011	
08:00 – 09:40	Advanced Tutorials: Theory
	(T15) PFO – <i>S. Horner (Austria)</i> (T16) The Intra- and Extracranial Venous System Assessed by Color-Coded Duplex Sonography – <i>J. Valdueza (Germany)</i> (T17) Cerebral Parenchyma – <i>U. Walter (Germany)</i> (T18) Vasomotor Reactivity – <i>B. Zvan (Slovenia)</i>
09:40 – 10:10	Coffee Break
10:10 – 12:10	ESNCH Theoretical Exam
10:10 – 12:10	Advanced Tutorials: Practical Demonstrations
	(T19) Cerebral Perfusion – <i>Günter Seidel (Hamburg, Germany)</i> (T20) Plaque Perfusion – <i>Konrad Stock (Munich, Germany)</i> (T21) Peripheral Nerves – <i>Heinrich Kele (Hamburg, Germany)</i> (T22) Transcranial Duplex Sonography, Pathological Cases – <i>Marek Jauss (Mühlhausen, Germany)</i>
10:30 – 18:30	Industrial Exhibition
12:20 – 13:20	TEVA Pre-Conference Lunch-Symposium

HOW TO FIND A PARKINSON PATIENT? UPDATE ON DIAGNOSTIC OPTIONS

U. Walter (Germany), J. Winkler (Germany)

13:30 – 14:00 Opening Ceremony

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

Greetings from ESNCH – L. Csiba (Hungary), President of ESNCH

Greetings from Neurologische Klinik, Klinikum rechts der Isar – B. Hemmer (Germany)

Greetings from ESNCH – D. Russell (Norway), Founding President of ESNCH

The ESNCH 2011 Lecture of Excellence:

MECHANICAL RECANALIZATION IN ACUTE STROKE

T. Liebig (Germany)

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

Chairpersons: V. Oliveira (Portugal); E. Bartels (Germany)

14:00 – 14:20 (S1) CONTRIBUTION OF MICROEMBOLIC SIGNAL DETECTION IN CARDIOEMBOLIC STROKE
M. A. Ritter (Germany)

14:20 – 14:40 (S2) ATRIAL FIBRILLATION: NEW DRUGS FOR STROKE PREVENTION
D. Russell, (Norway)

Oral Presentations

14:40 – 14:50 (O1) ATRIAL FIBRILLATION: ENHANCED DETECTION RATES BY PROLONGED HOLTER MONITORING IN STROKE PATIENTS

B. Göricke, R. Stahrenberg, M. Weber-Krüger, J. Seegers, F. Edelmann, R. Lahno, B. Haase, M. Mende, J. Wohlfahrt, P. Kermer, D. Vollmann, G. Hasenfuß, R. Wachter, K. Gröschel, Germany

14:50 – 15:00 (O2) EMBOLI DETECTION DURING BALLOON ATRIAL SEPTOSTOMY IN NEONATES WITH COMPLEX CONGENITAL HEART DISEASE

S. Wallace, G. Døhlen, C. Lund, R. Brucher, D. Russell, Norway

15:00 – 15:10 (O3) EMBOLIC MECHANISM IN PATHOGENESIS OF TRANSIENT ISCHEMIC ATTACKS OF BRAIN-ULTRASOUND STUDY.

Z. Jovanovic, A. Pavlovic, B. Vujisic Tesic, M. Kostic Boricic, E. Cvitan, M. Mijajlovic, A. Sundic, N. Sternic Covickovic, Serbia

15:10 – 15:20 (O4) ITALIAN PATENT FORAMEN OVALE SURVEY (I.P.O.S.): EARLY RESULTS –

L. Caputi, E. Parati, G. Sangiorgi, E. Onorato, G. Anzola, M. Chessa, M. Carminati, G. Butera, Italy

15:20 – 16:40 Coffee Break

15:20 – 16:40 ESNCH Practical Exam

15:20 – 16:40 Poster session I - 1: Atherosclerotic Plaque 1

Chairpersons: M. Jauss (Germany); P. Traubner (Slovakia)

(P01) ARTERIAL STIFFNESS INDICES IN PATIENTS WITH CHRONIC PERIODONTITIS – *I. Puhar, A. Lovrencic-Huzjan, D. Plancak, D. Sodec-Simicevic, M. Strineka, V. Demarin, Croatia*

(P02) CAROTID ARTERY INTIMA - MEDIA THICKNESS AND RISK OF LACUNAR INFARCT – *S. A. Mousavi, T. Hoseini, F. Khorvash, Islamic republic of Iran*

(P03) CAROTID INTIMA-MEDIA THICKNESS IN SUBCLINICAL HYPOTHYROIDISM – *S. M. Mousavi, S. A. Mousavi, H. Rezvanian, M. Ghasemi, S. A. Mousavi, Islamic republic of Iran*

(P04) MES AND PLAQUE VASCULARIZATION – FURTHER EVIDENCE FOR THE SMOKING GUN THEORY – *R. Dittrich, K. Theismann, M. Schmiedel, E. B. Ringelstein, M. A. Ritter, Germany*

(P05) COMPARATIVE ANALYSIS OF ARTERIAL WALL THICKNESS AND STIFFNESS IN SMOKING AND NON-SMOKING STUDENTS – *B. Léránt, L. Csiba, Hungary*

(P06) CONTRAST ENHANCED ULTRASOUND OF CAROTID PLAQUE NEOVASCULARISATION: ACCURACY OF VISUAL ANALYSIS – *A. Viaccoz, H. Muller, I. Kuzmanovic, C. Bonvin, D. Mugnai, N. Murith, K. Burkhardt, M.-L. Bochaton-Piallat, R. Sztajzel, Switzerland*

(P07) CA²⁺ BINDING PROTEIN CALPROTECTIN IS INCREASED IN PATIENTS WITH ECHOLUCENT CAROTID ARTERY PLAQUE – *A. Abbas, M. Skjelland, P. Aukrust, B. Halvorsen, D. Russel, Norway*

(P08) THE ASSOCIATION OF CAROTID ARTERY INTIMA-MEDIA THICKNESS AND STROKE – *S. Harris, M. Kurniawan, Indonesia*

(P09) INTIMA-MEDIA THICKNESS OF THE COMMON CAROTID ARTERY IN OBSTRUCTIVE SLEEP APNEA (OSAS) PATIENTS

S. Andonova, D. Petkova, Y. Bocheva, Bulgaria

(P10) QUANTITATIVE MEASUREMENT OF CAROTID PLAQUE PERFUSION WITH CONTRAST ENHANCED ULTRASOUND – *K. Theismann, M. A. Ritter, E. B. Ringelstein, R. Dittrich, Germany*

Poster session I - 2: Emboli Detection

Chairpersons: B. Zvan (Slovenia); R. Dittrich (Germany)

(P11) A TCD STUDY OF ZERO-CROSSING DYNAMICS OF SOLID AND GASEOUS MICROEMBOLIC SIGNALS AND ARTEFACTS – *R. Hoogenboezem, R. W. M. Keunen, Netherlands*

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- (P12) A TRANSCRANIAL DOPPLER STUDY OF CEREBRAL HEMODYNAMICS AND EMBOLI DURING SEPTIC SHOCK – *R. W. M. Keunen, M. Hunfeld, M. Remmers, R. Hoogenboezem, D. Tavy, HS Moeniralam, E. HJF Boezeman, S. Tromp, M. Mee van der, M. Frank, Netherlands*
- (P13) PREVENTING STROKE RECURRENCE BY TCD EMBOLUS DETECTION: A PILOT STUDY – *R. W. M. Keunen, M. Hunfeld, A. van Sonderen, M. Remmers, D. Tavy, B. de Bruijn, Netherlands*
- (P14) THE OCCURRENCE OF MICROEMBOLIC SIGNALS IN TIA PATIENTS WITHOUT CAROTID ARTERY STENOSIS – *A. van Sonderen, M. Hunfeld, D. Tavy, R. W. M. Keunen, Netherlands*
- (P15) PRESENCE OF MICROEMBOLIC SIGNALS ON TRANSCRANIAL DOPPLER IS ASSOCIATED WITH UNSTABLE CAROTID PLAQUE – *S. Tromp, G. van Lammeren, R. van de Mortel, J.-P. de Vries, Netherlands*
- (P16) DETECTION OF MICROEMBOLIC SIGNALS IN PATIENTS WITH TRANSIENT ISCHEMIC ATTACKS OF BRAIN – *Z. Jovanovic, A. Pavlovic, M. Mijajlovic, A. Sundic, N. Sternic Covickovic, Serbia*
- (P17) MICROBUBBLE SIGNAL PROPERTIES FROM PFO TESTS USING TRANSCRANIAL DOPPLER ULTRASOUND – *C. Banahan, R. Patel, V. Jeyagopal, J. Hague, E. Chung, D. Evans, United Kingdom*
- (P18) ARE EMBOLIC SIGNAL PROPERTIES AFFECTED BY EMBOLUS POSITION WITHIN THE ULTRASOUND BEAM? – *V. Jeyagopal, E. Chung, C. Banahan, J. Cowe, D. Evans, United Kingdom*
- (P19) MICROEMBOLIC SIGNALS IN PATIENTS WITH ANTIPHOSPHOLIPID SYNDROME – *C. Cantu-Brito, L. Villa-Gutierrez, I. Reyes-Melo, A. Mimenza-Alvarado, G. Garcia-Ramos, Mexico*
- (P20) AMOUNT OF MICROEMBOLIC SIGNALS AND LESION PATTERNS IN PATIENTS WITH CRYPTOGENIC STROKE – *G. Xiping; D. Kehui; Z. Xingquan; W. Yongjun, China*

Poster session I - 3: Nerve and Brain, Muscle and Vein

Chairpersons: K. Gröschel (Germany); J. Benacka (Slovakia)

- (P21) EXTRA-CRANIAL VENOUS FLOW IN PATIENTS WITH MULTIPLE SCLEROSIS – *E. Auriel, N. M. Bornstein, A. Karni, T. Nissel, A. Gadoth, H. Hallevi, Israel*
- (P22) PROGRESSIVE MULTIPLE SCLEROSIS IS NOT ASSOCIATED WITH CHRONIC CEREBROSPINAL VENOUS INSUFFICIENCY – *F. Farina, P. Perini, M. Calabrese, F. Rinaldi, P. Gallo, C. Baracchini, Italy*
- (P23) TRANSCRANIAL ULTRASOUND IN NEURODEGENERATION WITH BRAIN IRON ACCUMULATION (NBIA) – *J. Liman, A. Wellmer, K. Rostasy, M. Bähr, P. Kermer, Germany*
- (P24) TRANSCRANIAL SONOGRAPHY IN PSYCHIATRIC DISEASES – *M. Mijajlovic, Serbia*
- (P25) POSSIBILITIES OF TRANSCRANIAL COLOR-CODED SONOGRAPHY AT PATHOLOGY OF DEEP BRAIN VEINS AT CHILDREN – *M. Abramova, I. Stepanova, S. Shayunova, S. Novoselova, Y. Nesterovsky, Russian Federation*
- (P26) HIGH RESOLUTION SONOGRAPHY IN CHILDREN WITH CHARCOT-MARIE-TOOTH DISEASE 1A – *K. Böntert, A. Borchert, O. Schwartz, G. Kurlemann, P. Young, M. Schilling, Germany*
- (P27) EFFECT OF NICOTINE AND VARENICLINE ON THE EXPRESSION OF NEURONAL NICOTINIC ACETYLCHOLINE RECEPTORS – *C. Both, C. Kaiser, J. Birke, C. Lange-Asschenfeldt, G. Kojda, Germany*
- (P28) TRANSCRANIAL SONOGRAPHY AND 123I FP-CIT SPECT FINDINGS IN PATIENTS WITH MOVEMENT DISORDERS – *T. Fadrna, D. Skoloudik, P. Bartova, P. Ressner, O. Kraft, J. Bernatek, M. Havel, Czech Republic*
- (P29) HYPOPLASTIC INTERNAL JUGULAR VEIN AND HIGH FUNCTIONAL DISABILITY IN MULTIPLE SCLEROSIS – *E. Dincic, Z. Krsmanovic, T. Lepic, M. Zivkovic, R. Raicevic, Serbia*
- (P30) TRANSIENT GLOBAL AMNESIA. DIFFERENT VASCULAR RISK FACTOR PROFILE IN JUGULAR VEIN VALVE INCOMPETENTS? – *M. M. Martinez-Martinez, J. Fernandez-Travieso, J. Oliva-Navarro, G. Ruiz-Ares, J. Medina-Baez, P. Martinez-Sanchez, B. Fuentes, Spain*

Poster session I - 4: Case Reports

Chairpersons: J. Valdueza (Germany); C. Molina (Spain)

- (P31) A RIDGE-SHAPED CAROTID PLAQUE EVOLVING INTO A DOUBLE LUMEN: A CASE REPORT – *P. Slankamenac, B. Vitic, Z. Zivanovic, Serbia*
- (P32) REVERSIBLE CEREBRAL VASOCONSTRICTION SYNDROME AFTER PREECLAMPSIA – *R. Müller, O. Meier, R. Haberl, Germany*
- (P33) TRANSCRANIAL AND CERVICAL DUPLEX, A FEASIBLE APPROACH TO THE DIAGNOSIS OF PULSATILE TINNITUS – *P. Cardona, H. Quesada, L. Cano, A. Escrig, P. Mora, F. Rubio, Spain*
- (P34) OSCILLATING TRANSCRANIAL DOPPLER PATTERNS OF BRAIN DEATH ASSOCIATED TO THERAPEUTIC MANEUVERS – *P. Cardona, H. Quesada, L. Cano, A. Escrig, F. Rubio, Spain*
- (P35) PITFALL OF VERTEBRAL ARTERY INSONATION: BIDIRECTIONAL FLOW WITHOUT SUBCLAVIAN ARTERY PATHOLOGY
S. Johnsen, S. Schreiber, F. Connolly, J. M. Valdueza, Germany
- (P36) MIGRAINE-LIKE PRESENTATION OF VERTEBRAL ARTERY DISSECTION AFTER CERVICAL MANIPULATIVE THERAPY – *D. Jatzuis, J. Valaikiene, D. Palionis, M. Mataciunas, Lithuania*
- (P37) ISOLATED CATAPLEXY IN A 55 OLD WOMAN WITH DOUBLE POSTERIOR TRIFURCATION – *N. Simeonov, E. Vavrek, M. Mitev, Bulgaria*
- (P38) MY WORST CASE WITH SONOTHROMBOLYSIS – *E. Vavrek, Bulgaria*
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(P39) CAROTID DISSECTION PRESENTING WITH ISCHEMIC STROKE AND SUBARACHNOID HAEMORRHAGE – *E. Vavrek, Bulgaria*

(P40) SEMANTIC APHASIA IN SONOTHROMBOLYSED PATIENT (WITHOUT RTPA) – *M. Klissurski, E. Vavrek, N. Nicheva-Vavrek, Bulgaria*

Poster session I - 5: Diagnostics in Stroke Management 1
Chairpersons: M. Del Sette (Italy); D. Skoloudik (Czech Republic)

(P41) VERTEBRAL ARTERY HYPOPLASIA AND THE POSTERIOR CIRCULATION STROKE – *A. Skultéty Szárazová, E. Bartels, P. Turcani, Slovakia*

(P42) REFILL-KINETICS OF ULTRASOUND PERFUSION IMAGING TO ASSESS PERFUSION DEFICITS IN MCA STROKE PATIENTS – *M. Bolognese, D. Artemis, A. Alonso, S. Meairs, M. G. Hennerici, R. Kern, Germany*

(P43) INTRACRANIAL STENOSES DETECTION USING TRANSCRANIAL DUPLEX SONOGRAPHY, CT ANGIOGRAPHY AND ANGIOGRAPHY – *M. Roubec, M. Kuliha, T. Fadrna, V. Prochazka, T. Jonszta, D. Skoloudik, Czech Republic*

(P44) JAW CLAUDICATION: AN UNCOMMON SIGN INDICATING A SEVERE CEREBROVASCULAR CONDITION – *C. Tanislav, M. Kramer, M. Kaps, J. Allendörfer, Germany*

(P45) NEUROSONOLOGIC PATTERNS OF ACUTE ISCHEMIC STROKE PATIENTS IN INDONESIA – *S. Harris, M. Kurniawan, Indonesia*

(P46) TRANSIENT ISCHEMIC ATTACKS CAUSED BY CLOTH IN PROXIMAL INTERNAL CAROTID ARTERY CASE REPORT – *S. Jolic, M. Jolic, M. Zivkovic, N. Vukasinovic, M. Ilic, Serbia*

(P47) VERY EARLY RECANALIZATION AFTER SYSTEMIC THROMBOLYSIS MONITORING BY TRANSCRANIAL COLOR FLOW IMAGING – *H. Mitsumura, R. Sengoku, Y. Kono, M. Morita, H. Furuhashi, S. Mochio, Japan*

(P48) ACCURACY OF NEUROSONOLOGICAL EXAMINATION FOR INTERNAL CAROTID OCCLUSION DIAGNOSIS IN ACUTE STROKE – *J. C. Portilla Cuenca, A. Falcon Garcia, A. Serrano Cabrera, M. Gomez Gutierrez, M. Calle Escobar, G. Gámez-Leyva, I. Casado Naranjo, Spain*

(P49) EARLY ULTRASOUND IMAGING OF CAROTID ARTERIES IN THE ACUTE ISCHEMIC CEREBROVASCULAR PATIENT – *M. F. Giannoni, E. Vicenzini, C. Zuco, E. Sbarigia, V. Di Piero, G. L. Lenzi, F. Speziale, Italy*

(P50) US ASSESSMENT OF VERTEBROBASILAR SYSTEM WITH CEREBRAL INFARCTION OF POSTERIOR CIRCULATION – *I. Kikule, G. Enina, Z. Kovaldina, I. Purina, Latvia*

Poster session I - 6: Functional TCD, Vasomotor Reactivity 1
Chairpersons: G. Seidel (Seidel); J.M. de Bray (France)

(P51) MEASUREMENT OF CEREBROVASCULAR TIME CONSTANT USING TRANSCRANIAL DOPPLER ULTRASONOGRAPHY – *M. Kasprowicz, P. Smielewski, P. J. Kirkpatrick, J. D. Pickard, M. Czosnyka, Poland*

(P52) CEREBRAL HEMODYNAMIC EFFECT OF EXTERNAL COUNTERPULSATION IS A DIFFERENT MEASURE FROM VASOREACTIVITY – *W. H. Lin, L. Xiong, J. H. Han, X. Y. Chen, T. W. Leung, K. S. Wong, China*

(P53) VASOMOTOR REACTIVITY IN CEREBRAL SMALL VESSEL DISEASE – *Y.-S. Lee, B.J. Kim, Republic of Korea*

(P54) EVALUATION OF CEREBRAL VASOMOTOR REACTIVITY AND FLOW MEDIATED DILATION IN HEALTHY SUBJECTS – *P. Palazzo, P. Maggio, F. Tibuzzi, F. Passarelli, C. Altamura, R. Altavilla, F. Vernieri, Italy*

(P55) CEREBRAL HAEMODYNAMICS WITH NEUROVASCULAR COUPLING DURING ORTHOSTATIC CHALLENGE – *P. Castro, R. Santos, J. Freitas, B. Rosengarten, R. Panerai, E. Azevedo, Portugal*

(P56) THE EFFECT OF HELIUM ON CEREBRAL BLOOD FLOW; A N=1 TRIAL IN A HEALTHY YOUNG PERSON – *D. Bertens, S. Tromp, S. Zinkstok, J. de Kruijk, Netherlands*

(P57) BREATH HOLDING INDEX AND ARTERIAL STIFFNESS IN EVALUATION OF STROKE RISK IN DIABETIC PATIENTS – *I. Zavoreo, V. Bašić Kes, S. Morovic, L. Coric, V. Demarin, Croatia*

(P58) EFFECT OF NON-STEROID ANTI-INFLAMMATORY DRUG ON THE NEUROVASCULAR COUPLING – *K. Szabó, E. Lako, B. Rosengarten, L. Csiba, Germany*

(P59) CEREBRAL AUTOREGULATION ASSESSMENT DURING ANESTHESIA IN NEUROSURGICAL PATIENTS – *V. Semenyutin, V. Aliev, A. Patzak, A. Kozlov, P. Ampata, Russian Federation*

(P60) WITHDRAW OF STATIN IMPROVES CEREBROVASCULAR RESERVE IN RADIATION VASCULOPATHY – *J. Volpi, R. Kabir, Z. Garami, P. New, United States*

Session II: Stroke, Genetics and Ultrasound
Chairpersons: T. Shiogai (Japan); V. Demarin (Croatia)

16:40 – 18:00

16:40 – 17:00

(S3) GENETICS & CEREBROVASCULAR DISEASES – THINK ABOUT IT!
M. Dichgans (Germany)

17:00 – 17:20

(S4) IMT FROM RISK ASSESSMENT AND CLINICAL USE TO GENETIC DISCOVERIES
T. Rundek (USA)

Oral Presentations

17:20 – 17:30	(O5) ALTERED INTIMA-MEDIA THICKNESS IS REVERSIBLE IN HYPERTENSIVE PATIENTS – <i>K. R. Kovacs, Z. Bajko, C. C. Szekeres, K. Csapo, S. Molnar, L. Olah, M. T. Magyar, L. Kardos, P. Soltesz, L. Csiba, Hungary</i>
17:30 – 17:40	(O6) FOUR-DIMENSIONAL ULTRASOUND CALF MUSCLE IMAGING IN PATIENTS WITH GENETIC TYPES OF DISTAL MYOPATHY – <i>E. Titianova, T. Chamova, V. Guerguelcheva, I. Tournev, Bulgaria</i>
17:40 – 17:50	(O7) DNA AND HISTONE METHYLATION IN ATHEROSCLEROTIC LESIONS OF CAROTID ARTERIES – <i>J. Pelisek, M. Culmes, S. Dushenalieva, R. Napieralski, M. Schmitt, H.-H. Eckstein, Germany</i>
17:50 – 18:00	(O8) MOIA MOIA LIKE ARTERIOPATHY: NEUROSONOLOGICAL SUSPICION AND PROGNOSIS IN ADULT ASYMPTOMATIC PATIENTS – <i>G. Malferrari, M. Zedde, G. De Berti, M. Maggi, A. Dallari, A. Nucera, S. Biguzzi, I. Grisendi, N. Marcello, Italy</i>

18:00 – 18:45 **Comments on Poster Session I**
Chairpersons: N. Bornstein (Israel), M. Sturzenegger (Switzerland)

19:00 **WELCOME RECEPTION**
Maximilianeum, Bavarian Parliament (Bayerischer Landtag im Maximilianeum)

Sunday, May 22, 2011

09:30 – 17:00 **Industrial Exhibition**

09:00 – 10:30 **Session III: Cerebral Hemodynamics in Ischemic Stroke**
Chairpersons: N. Sternic (Serbia); J. Klingelhöfer (Germany)

09:00 – 09:20 (S5) IMPORTANCE OF COLLATERALS IN INTRACRANIAL ARTERIAL STENOSIS AND OCCLUSION
L. Wong (China)

09:20 – 09:40 (S6) HEMODYNAMIC CAUSES OF DETERIORATION IN ACUTE STROKE
G. Tsvigoulis (Greece)

Oral Presentations

09:40 – 09:50 (O9) DYNAMIC CEREBRAL AUTOREGULATION ASSOCIATES WITH INFARCT SIZE AND OUTCOME AFTER ISCHEMIC STROKE – *M. Reinhard, S. Rutsch, J. Lambeck, C. Wihler, M. Czosnyka, C. Weiller, A. Hetzel, Germany*

09:50 – 10:00 (O10) MEASURING CEREBRAL AUTOREGULATION WITH POSTURAL INDUCED BP FLUCTUATIONS IN ACUTE ISCHAEMIC STROKE – *M. Aries, J. De Keyser, B. Kremer, P. Vroomen, J. W. Elting, Netherlands*

10:00 – 10:10 (O11) HYPOCAPNIA INDUCED VASOCONSTRICTION SIGNIFICANTLY INHIBITS THE NEUROVASCULAR COUPLING – *L. Olah, K. Szabo, E. Lako, T. Juhasz, B. Rosengarten, L. Csiba, Hungary*

10:10 – 10:20 (O12) INTRA- AND EXTRACRANIAL STENOSES IN TIA, A PROSPECTIVE POPULATION-BASED STUDY - THE AARHUS TIA-STUDY – *P. von Weitzel-Mudersbach, S. P. Johnsen, G. Andersen, Denmark*

10:20 – 10:30 (O13) TRANSCRANIAL ULTRASOUND: A USEFUL TOOL IN GUIDING TREATMENT OF CEREBRAL VASOSPASM IN ANEURYSMAL SAH – *F. Perren, B. Schatlo, M. Kotowski, P. Bijlenga, K. Schaller, Switzerland*

09:00 – 10:30 **Session IV: The Role of Internet in Diagnostics, Training and Research**
Chairpersons: V. Siebler (Germany); C. Baracchini, (Italy)

09:00 – 09:20 (S7) INTERNET STUDIES (WITH ONLINE DEMONSTRATION)
S. Horner (Austria)

09:20 – 09:40 (S8) TELESTROKE – HOW DOES IT WORK?
S. Boy (Germany)

09:40 – 10:00 (S9) TELEULTRASOUND IN THE SURGERY THEATRE
W. Mess (Netherlands)

10:00 – 10:20 (S10) FUTURE APPLICATIONS OF REMOTE CLINICAL DECISIONS
G. Rose (Germany)

10:20 – 11:00 **Coffee Break**

11:00 – 13:00 **Session V: Therapeutic “no man’s land” – Asymptomatic Carotid Stenosis**
Chairpersons: M. del Sette (Italy); N. Bornstein (Israel)

11:00 – 11:15 (S11) DETECTION AND CLASSIFICATION: NON-INVASIVE METHODS AND GUIDELINES
L. Csiba (Hungary)

11:15 – 11:30 (S12) VIEW OF A NEURORADIOLOGIST: CEA - TREATMENT OF CHOICE!
H. Berger (Germany)

11:30 – 11:45 (S13) VIEW OF A VASCULAR SURGEON: CAS - STENTING EVEN BETTER!
H.-H. Eckstein (Germany)

11:45 – 12:00 (S14) DON'T TOUCH - BEST TREATMENT IS MEDICAL!
N. Bornstein (Israel)

12:00 – 12:15 (S15) VALUE OF NEUROSONOGRAPHY FOR DECISION MAKING?
K. Niederkorn (Austria)

Oral Presentations

- 12:20 – 12:30 (O14) WHEN TO PERFORM TRANSCRANIAL DOPPLER TO PREDICT CEREBRAL HYPERPERFUSION AFTER CAROTID ENDARTERECTOMY? – C. Pennekamp, S. Tromp, R. Ackerstaff, M. Bots, R. Immink, J.-P. de Vries, J. Kappelle, F. Moll, W. Buhre, G. J. de Borst, Netherlands
- 12:30 – 12:40 (O15) INCIDENCE AND CLINICAL IMPACT OF CAROTID ARTERY IN-STENT RESTENOSIS – K. Wasser, S. Schnaudigel, J. Wohlfahrt, M. Psychogios, K. Gröschel, Germany
- 12:40 – 12:50 (O16) ULTRASONIC ESTIMATION OF CEREBROVASCULAR REACTIVITY IN PATIENTS UNDERWENT CAROTID SURGERY – I. Timina, D. Suntsov, G. Karmazanovsky, E. Burtseva, Russian Federation
- 12:50 – 13:00 (O17) POST-CAROTID STENT ULTRASOUND PROVIDES CRITICAL DATA TO AVOID RARE BUT SERIOUS COMPLICATIONS – J. Volpi, Z. Garami, R. Kabir, O. Diaz-Daza, R. Klucznik, United States

13:00 – 14:45 Lunch Break**13:00 – 14:45 Poster session II - 1: Atherosclerotic Plaque 2**

Chairpersons: M. Siebler (Germany); P. Turcani (Slovakia)

- (P61) DO PARAOXONASE HYDROLITIC RATE REFLECTS ATHEROSCLEROTIC PROCESS IN STROKE PATIENTS? – S. Shenhar-Tsarfaty, N. Waiskopf, K. Ofek, L. Shopin, S. Usher, S. Berliner, I. Shapira, N. Bornstein, H. Soreq, E. Ben Assayag, Israel
- (P62) LACUNAR CEREBRAL INFARCTS PATIENTS HAVE RELATIVELY SPARE CAROTID ARTERY DISEASE – G. Struga, Albania
- (P63) ALCOHOL CONSUMPTION ROLE IN DEVELOPMENT OF ATHEROSCLEROTIC CAROTID ARTERY DISEASE – G. Struga, Albania
- (P64) AGE AND GENDER ROLE IN ATHEROSCLEROTIC CAROTID ARTERY DISEASE – G. Struga, Albania
- (P65) CAROTID ATHEROSCLEROSIS IN EGYPT WHAT IS BEYOND? – F. AbdAllah, E. Baligh, Egypt
- (P66) THE EUROPEAN UNSTABLE CAROTID PLAQUE STUDY (EUCAPS) – O. M. Rønning, A. Abbas, M. Skjelland, L. Thomassen, A. H. Aamodt, R. Salvesen, D. Russell, Norway
- (P67) MIDDLE CEREBRAL ARTERY VELOCITY PROFILE IS CORRELATED WITH CAROTID INTERADVENTITIAL DIAMETER – J. Carneado-Ruiz, M. Gonzalez-Salaices, C. Prieto-Jurczynska, A. Diaz-Negrillo, Spain
- (P68) SUBCLAVIAN STEAL PHENOMENON – CAN SONOGRAPHIC GRADING PREDICT SUBCLAVIAN ARTERY STENOSIS? – S. Schreiber, E. Siebert, A. Tountopoulou, J. M. Valdeuza, F. Doepp, Germany
- (P69) ULTRASOUND FINDINGS IN A POPULATION WITH CEREBROVASCULAR SYMPTOMS – P. Batista, V. Almeida, F. Soares, J. Alves, M. Moura, A. Gerardo, V. Oliveira, Portugal
- (P70) CAROTID ARTERIAL PLAQUE AND CLINICAL FACTORS IN ACUTE STROKE PATIENTS – J. H. Lee, Republic of Korea

Poster session II - 2: Diagnostics in Stroke Management 2

Chairpersons: S. Horner (Austria); M. Mijajlovic (Serbia)

- (P71) THE RETROBULBAR "SPOT SIGN" IN SUDDEN BLINDNESS - SUFFICIENT TO RULE OUT VASCULITIS? – M. Ertl, M. Altmann, F. Schlachetzki, A. Gamulescu, H. Helbig, U. Bogdahn, Germany
- (P72) ULTRASONOGRAPHY OF THE OPTIC NERVE SHEATH IN BRAIN DEATH – A. Lovrencic-Huzjan, D. Sodec Simicevic, I. Martinic Popovic, M. Bosnar Puretic, V. Vukovic Cvetkovic, S. Gopcevic, M. Vucic, B. Rode, V. Demarin, Croatia
- (P73) SYMPTOMATIC INTRACRANIAL STENOSES: A UNIVERSITY HOSPITAL-BASED ULTRASOUND STUDY – F. Viaro, F. Farina, A. Onofri, G. Meneghetti, C. Baracchini, Italy
- (P74) THE IMPACT OF RECANALIZATION ON ISCHEMIC STROKE OUTCOME• CLINICAL CASE PRESENTATION – S. Andonova, F. Kirov, C. Bachvarov, Bulgaria
- (P75) STUDIES ON VASOSPASM DUE TO SUBARACHNOID HAEMORRHAGE (SAH) – A.M. Schenk, J. Woudsma, N.M. Maurits, R. J. M. Groen, J. H. van der Hoeven, Netherlands
- (P76) EXTRA-INTRACRANIAL SONOGRAPHY-DIAGNOSTIC AND PROGNOSTIC TOOL IN VERTEBROBASILAR INSUFFICIENCY – M. Alpaidze, M. Janelidze, Georgia
- (P77) POST STROKE EPILEPSY AND DEPRESSION EXECUTIVE DYSFUNCTION SYNDROME – N. Radojkovic Gligic, M. Petric, Serbia
- (P78) TRANSCRANIAL DUPLEX ULTRASOUND IN INTRACEREBRAL HAEMORRHAGE - USE OF DIFFERENT PROBE ANGLING – B. Malojcic, L. Unusic, S. Juren Mejaski, Croatia
- (P79) IRANIAN EXPERTS' EXPERIENCE OF REHABILITATION SERVICES FOR STROKE SURVIVORS – A. Dalvandi, S.-L. Ekman, S. S. B. Maddah, H. R. Khankeh, K. Heikkilä, Sweden
- (P80) COLOR DUPLEX SCANNING IN THE DIAGNOSIS OF BRAIN DEATH
D. Solonskiy, M. Sinkin, I. Stulin, Russian Federation

Poster session II - 3: US in Surgery and Angioplasty

Chairpersons: Chairs: J. Klingelhöfer (Germany); S. Castellani (Italy)

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- (P81) SURVEILLANCE OF CEREBRAL PERFUSION REDUCES INCIDENCE AND SEVERITY OF STROKE RELATED TO CABG SURGERY – A. Van Sonderen, A. Falsafi, B. De Bruijn, R. W. M. Keunen, Netherlands
- (P82) STENTING IMPROVES CEREBRAL AUTOREGULATION IN STROKE PATIENTS WITH INTRACRANIAL LARGE ARTERY STENOSIS – W. H. Lin, W. T. Leung, Y. O. Soo, V. H. L. Ip, L. W. C. Au, L. C. Chan, K. S. Wong, China
- (P83) CEREBRAL ANGIOSPASM IN ENDOVASCULAR CEREBRAL VESSEL PROCEDURES – Y. Sagildina, S. Kucherenko, N. Bolomatov, V. Germanovich, O. Vinogradov, A. Kuznetsov, Russian Federation
- (P84) INTRAVASCULAR COILING OF AN STA ANEURYSM WITH AN ASSIST OF INTRAOPERATIVE SONOGRAPHY -CASE REPORT- – T. Saguchi, Y. Kondo, T. Mizokami; I. Suzuki, Japan
- (P85) COGNITIVE PERFORMANCE AFTER CAROTID ARTERY STENTING – P. Maggio; C. Altamura, F. Tibuzzi, P. Palazzo, F. Moffa, S. Migliore, L. Quintiliani, F. Passarelli, R. Arpesani, G. Di Giambattista, Y. Errante, P.M. Rossini, F. Vernieri, Italy
- (P86) INTRAOPERATIVE COLOR-CODED DUPLEX SONOGRAPHY OF SUPERIOR SAGITTAL SINUS IN PARASAGITTAL MENINGIOMAS – V. Semenyutin, V. Olyushin, V. Aliev, D. Pechiborsch, A. Kozlov, Russian Federation
- (P87) SURGICAL TREATMENT FOR VERTEBROBASILAR INSUFFICIENCY: ADVANTAGES AND DRAWBACKS – S. Volkov, A. Shurakova, Russian Federation
- (P88) PERIPROCEDURAL INFLAMMATION AS A PREDICTOR FOR CAROTID ARTERY IN-STENT RESTENOSIS – C. Schmidt, K. Wasser, J. Wohlfahrt, S. Schnaudigel, K. Gröschel, Germany
- (P89) VALUE OF THE SECOND POSTOPERATIVE SIPHON EXAMINATION IN OPERATED UNILATERAL, BILATERAL AND HIGH GRADE STENOSIS WITH CONTRALATERAL OCCLUSION – V. Zbornikova, Sweden

Poster session II - 4: Functional TCD, Vasomotor Reactivity 2

Chairpersons: G. Baltgaile(Latvia); G.-M. von Reutern (Germany)

- (P90) THE PROGNOSTIC VALUE OF MCA BLOOD FLOW PARAMETERS IN ACUTE ISCHEMIC STROKE – M. Baydemir, N. Uzuner, Turkey
- (P91) THE BLOOD FLOW VELOCITY CHANGES TO SIMPLE AND COMPLEX VISUAL STIMULATION – G. Tekgöl Uzuner, N. Çýnar, N. Uzuner, Turkey
- (P92) DUPLEXSONOGRAPHY OF CEREBRAL BLOOD FLOW VOLUME (CBF) AFTER CARDIAC ARREST – A PROSPECTIVE STUDY – F. Doepp, C. Storm, S. Schreiber, J. Reitemeier, Germany
- (P93) CEREBRAL PRESSURE-VELOCITY HEMODYNAMICS EVALUATION IN AUTONOMIC FAILURE DURING ORTHOSTATIC CHALLENGE – P. Castro, J. Freitas, R. Santos, R. Panerai, E. Azevedo, Portugal
- (P94) CEREBRAL AND SYSTEMIC ENDOTHELIAL FUNCTION IN MIGRAINE PATIENTS WITHOUT COMORBIDITIES – M. Zaletel, B. Žvan, J. Pretnar-Oblak, D. Perko, Slovenia
- (P95) CEREBRAL BLOOD FLOW IN THE CHRONIC HEART FAILURE PATIENTS – T. Lepic, G. Loncar, B. Bozic, D. Veljancic, B. Labovic, Z. Krsmanovic, M. Lepic, R. Raicevic, Serbia
- (P96) INTRACRANIAL ARTERIAL AND VENOUS VELOCITIES IN PATIENTS WITH DIFFERENT CAUSES OF BRAIN INJURY – A. Catalán Valadés, R. Sierra Camerino, R. Diaz Sese, S. Pedraza López, A. Catalán Valadés, Spain
- (P97) SHORT-TERM MODERATE HYPOCAPNIA AUGMENTS DETECTION OF OPTIMAL CEREBRAL PERFUSION PRESSURE – C. Haubrich, L. Steiner, M. Kasprowicz, J. Diedler, E. Carrera, R. R. Diehl, P. Smielewski, M. Czosnyka, Germany
- (P98) PRES (POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME) IS ASSOCIATED WITH IMPAIRED AUTOREGULATION AND HYPERPERFUSION STATE
J. Heuckmann, T. Mark, M. Eicke, Germany
- (P99) COMPARISON OF THE LONG-TERM EFFECTS OF HYPOBARIC CONDITION OF PILOTS VERSUS HYPERBARIC CONDITION OF DIVERS ON BLOOD FLOW VELOCITY OF MIDDLE CEREBRAL, BASILAR AND CAROTID ARTERIES USING TRANSCRANIAL DOPPLER AND DUPLEX ULTRASONOGRAPHY – S.-M. Fereshtehnejad, B. Dormanesh, M. R. Motamed, P. Basir, S.-M. Hossein Mahmoudi, M. Mehrpour, Islamic Republic of Iran

Poster session II - 5: Novel Technologies

Chairpersons: L. Olah (Hungary); D. Sander (Germany)

- (P100) ULTRASOUND CHARACTERISTICS OF TWELVE SERBIAN PATIENTS WITH TEMPORAL ARTERITIS – M. Mirkovic, M. Mijajlovic, Serbia
- (P101) NON-INVASIVE ASSESSMENT OF VASCULAR PHYSIOLOGY IN PATIENTS WITH DEMENTIA – I. Martinic Popovic, A. Lovrencic-Huzjan, D. Sodec Simicevic, M. Bosnar Puretic, V. Demarin, Croatia
- (P102) ULTRASOUND-MEDIATED ACOUSTIC CAVITATION, GLIAL AND NEURAL SPECIFIC ANTIBODY IN BRAIN TUMORS – D. Labunskiy, United States
- (P103) INVESTIGATION OF NON-INVASIVE ULTRASONIC CEREBROVASCULAR AUTOREGULATION MONITOR WITHOUT ABP LINE – A. Ragauskas, E. Kalvaitis, V. Petkus, V. Chomskis, A. Kalasauskiene, L. Kalasauskas, Lithuania
- (P104) ASYMMETRY OF CEREBRAL AUTOREGULATION CANNOT BE EXPLAINED BY ASYMMETRY OF CEREBROVASCULAR REACTIVITY – B. Schmidt, M. Czosnyka, J. Klingelhöfer, Germany
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- (P105) THREEDIMENSIONAL IMAGING OF CAROTID ARTERIES: ADVANTAGES AND PITFALLS OF ULTRASOUND INVESTIGATIONS – *E. Vicenzini, S. Pro, G. Sirimarco, M. C. Ricciardi, C. Zuco, P. Pulitano, O. Mecarelli, V. Di Piero, G. L. Lenzi, Italy*
- (P106) PULSATILITY INDEX AND CEREBRAL AUTOREGULATION IN PATIENTS WITH HYDROCEPHALY – *V. Semenyutin, V. Aliev, V. Bersnev, A. Patzak, L. Rozhchenko, A. Kozlov, S. Ramazanov, Russian Federation*
- (P107) CHANGES OF LEFT ATRIAL VOLUMES AND CONTRACTILE PROPERTIES IN ISCHEMIC STROKE PATIENTS – *Y.-T. Chen, H.-Y. Hsu, Taiwan*
- (P108) VIRTUAL NAVIGATOR STUDY. SUBSET OF PRELIMINARY DATA ABOUT ARTERIAL CIRCULATION – *G. Malferrari, M. Zedde, G. De Berti, M. Maggi, L. Lodigiani, N. Marcello, Italy*
- (P109) CLINICAL APPLICATION OF LASER DOPPLER FLOWMETRY IN NEUROLOGY – *Z. Stoyneva, Bulgaria*

Poster session II - 6: Various Stroke Etiologies

Chairpersons: V. Oliveira (Portugal); U. Walter (Germany)

- (P110) HIGH PREVALENCE OF RIGHT-TO-LEFT SHUNT IN PATIENTS WITH CHRONIC HYPERVENTILATION SYNDROME – *J. Staszewski, K. Tomczykiewicz, A. Stepień, B. Brodacki, Z. Podgajny, P. Smurzyński, Poland*
- (P111) INTERVENTIONAL CLOSURE OF PFO IS RELATED WITH LOW RISK OF PROCEDURE-RELATED CEREBRAL EMBOLIC EVENTS – *J. Staszewski, E. Skrobowska, A. Stepień, M. Zarebinski, M. Zienkiewicz, Poland*
- (P112) SPONTANEOUS CERVICAL ARTERY DISSECTION: AN ANALYSIS OF SEASONAL VARIABILITY – *S. Evers, R. U. Milz, E. Akova-Oeztuerk, E. B. Ringelstein, Germany*
- (P113) SPONTANEOUS CERVICAL ARTERY DISSECTION AND VASCULAR RISK FACTORS: A CASE-CONTROL STUDY – *S. Evers, R. U. Milz, E. Akova-Oeztuerk, E. B. Ringelstein, Germany*
- (P114) ULTRASONOGRAPHIC MONITORING OF CEREBRAL CIRCULATION IN MOYAMOYA-SYNDROME– A REPORT OF TWO CASES – *J. Albers, S. Suntrup, E. B. Ringelstein, R. Dziewas, M. A. Ritter, Germany*
- (P115) TRANSIENT BRAINSTEM ISCHEMIA AND DURAL ARTERIOVENOUS MALFORMATION – *J. Valaikiene, J. Dementaviciene, M. Mataciunas, D. Jatuzis, Lithuania*
- (P116) EVALUATION OF BRAIN BLOOD FLOW PARAMETERS IN CHILDREN WITH SICKLE CELL DISEASE AND ARABIAN HAPLOTYPE – *R. Bavarsad Shahripour, S. A. Sajedi, M. Pourjafar, K. Ghandhari, Islamic Republic of Iran*
- (P117) TRANSCRANIAL DOPPLER SONOGRAPHY IN CHILDREN WITH SICKLE CELL DISEASE AND SILENT ISCHEMIC LESIONS – *F. M. Farina, P. Rampazzo, L. Sainati, R. Manara, A. Onofri, R. Colombatti, C. Baracchini, G. Meneghetti, Italy*
- (P118) INTELLECTUAL IMPAIRMENT AND TCD EVALUATION IN CHILDREN WITH SICKLE CELL DISEASE AND SILENT STROKE – *A. Onofri, M. Montanaro, P. Rampazzo, R. Colombatti, F. M. Farina, R. Manara, L. Sainati, M. Ermani, C. Baracchini, G. Meneghetti, Italy*

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

14:45 – 16:15 Session VI: Novel Technologies I
Chairpersons: H. Furuhashi (Japan); H. Poppert (Germany)

- 14:45 – 15:05 (S16) BRAIN PERFUSION, SONOTHROMBOLYSIS AND CNS DRUG DELIVERY – NEUROSONOGRAPHY IN 2020
S. Meairs (Mannheim, Germany)
- 15:05 – 15:25 (S17) IMAGING OF PLAQUE PERFUSION USING CONTRAST-ENHANCED ULTRASOUND –
E. Vicenzini (Rome, Italy)
- Oral Presentations**
- 15:25 – 15:35 (O18) MONITORING OF BRAIN TISSUE PERFUSION UTILIZING SONOPOD FOR TRANSCRANIAL COLOR DUPLEX SONOGRAPHY – *T. Shiozaki, M. Koyama, M. Yamamoto, K. Yoshikawa, T. Mizuno, M. Nakagawa, Japan*
- 15:35 – 15:45 (O19) FOUR-DIMENSIONAL ULTRASOUND IMAGING IN NEURO-OPHTHALMOLOGY – *E. Titianova, S. Cherninkova, S. Karakaneva, B. Stamenov, Bulgaria*
- 15:45 – 15:55 (O20) HIGH EFFICIENT EVALUATION METHOD FOR SONOTHROMBOLYSIS – *Z. Wang, T. Fukuda, H. Furuhashi, Japan*
- 15:55 – 16:05 (O21) INTRAVASCULAR SONOTHROMBOLYSIS USING EKOS SYSTEM IN ACUTE STROKE PATIENTS - A PILOT STUDY – *D. Skoloudik, T. Fadna, M. Roubec, M. Kuliha, V. Prochazka, T. Jonszta, D. Czerny, J. Krajca, Czech Republic*
- 16:05 – 16:15 (O22) ULTRASOUND CAN CONTROL EMBOLUS GROWTH – *S. Yoshikazu, Z. Wang, H. Furuhashi, Japan*

16:15 – 16:30 Coffee Break

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

17:15 – 18:00 General Assembly of the ESNCH

Monday, May 23 2011

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

09:00 – 09:20 (S18) BRAIN DRAIN – HEMODYNAMICS OF THE CEREBRAL VENOUS SYSTEM
S. Schreiber (Berlin, Germany)

09:20 – 09:40 (S19) FACT OR FICTION: CHRONIC CEREBRO-SPINAL VENOUS INSUFFICIENCY (CCSVI)
C. Baracchini (Padova, Italy)

Oral Presentations

09:40 – 09:50 (O23) CEREBROCERVICAL VENOUS DRAINAGE IN MULTIPLE SCLEROSIS - A COMPARATIVE STUDY OF ULTRASOUND AND MRI – *F. Doepp, F. Paul, J. Würfel, J. Valdueza, S. Schreiber, Germany*

09:50 – 10:00 (O24) CHRONIC CEREBROSPINAL VENOUS INSUFFICIENCY (CCSVI) IN THE IRANIAN MS PATIENTS:THE PRILIMINARY REPORT – *M. Mehrpour, M. R. Motamed, M. Nabavi, M. A. Sahraian, Islamic republic of Iran*

10:00 – 10:10 (O25) ULTRASOUND FINDINGS OF THE OPTIC NERVE AND ITS ARTERIALVENOUS SYSTEM IN MULTIPLE SCLEROSIS PATIENTS – *N. Carraro, G. Servillo, V. M. Sarra, A. Bignamini, G. Pizzolato, M. Zorzon, Italy*

10:10 – 10:20 (O26) JUGULAR VALVE INCOMPETENT IN TRANSIENT GLOBAL AMNESIA. A PROBLEM REVISITED
P. Lochner, M. Kaps, M. Nedelmann, E. Stolz, Italy

10:20 – 10:30 (O27) IPSILATERAL EVALUATION OF THE TRANSVERSE SINUS: TCCS APPROACH IN COMPARISON WITH MR VENOGRAPHY – *M. Zedde, G. Malferrari, G. De Berti, M. Maggi, N. Marcello, Italy*

10:30 – 11:00 Coffee Break

11:00 – 13:00 **Session VIII: Novel Technologies II**
Chairpersons: E. Titianova (Bulgaria); A. Alexandrov (USA)

11:00 – 11:20 (S20) ACT ON STROKE - OPTIMIZE THE MATURITY LEVEL OF CLINICAL PROCESSES AND WORKFLOW FOR STROKE DIAGNOSIS AND TREATMENT
B. Hofmann (Erlangen, Germany), E. B. Ringelstein (Münster, Germany)

11:20 – 11:40 (S21) FUNCTIONAL GUIDANCE IN INTRACRANIAL TUMOR SURGERY
B. Meyer (Munich, Germany)

11:40 – 12:00 (S22) COMBINED MR-SYSTEMS AS A CHANCE IN STROKE DIAGNOSTICS
M. Pflaum (Erlangen, Germany)

Oral Presentations

12:00 – 12:10 (O28) VIRTUAL NAVIGATOR STUDY. SUBSET OF PRELIMINARY DATA ABOUT VENOUS CIRCULATION – *M. Zedde, G. Malferrari, G. De Berti, M. Maggi, L. Lodigiani, N. Marcello, Italy*

12:10 – 12:20 (O29) CLINICAL ASSESSMENT OF NON-INVASIVE METHOD FOR ABSOLUTE INTRACRANIAL PRESSURE MEASUREMENT – *A. Ragauskas, R. Sunokas, R. Zakelis, G. Daubaris, V. Matijosaitis, K. Petrikonis, D. Rastenyte, Lithuania*

12:20 – 12:30 (O30) SONOGRAPHIC ASSESSMENT OF THE OPTIC NERVE SHEATH IN IDIOPATHIC INTRACRANIAL HYPERTENSION – *J. Bäuerle, M. Nedelmann, Germany*

12:30 – 12:40 (O31) SAFETY EVALUATION OF SUPERHEATED PERFLUOROCARBON NANODROPLETS FOR NOVEL NEUROLOGICAL THERAPY – *J. Shimizu, R. Endoh, T. Fukuda, T. Inagaki, H. Hano, R. Asami, K.-I. Kawabata, M. Yokoyama, H. Furuhashi, Japan*

12:40 – 12:50 (O32) DOPPLERSONOGRAPHIC EXAMINATION OF THE MIDDLE MENINGEAL ARTERY'S EXTRACRANIAL PORTION – *M. Lepic, T. Lepic, D. Veljancic, O. Jovanikic, B. Labovic, Z. Krsmanovic, R. Raicevic, Serbia*

12:50 – 13:00 (O33) IMPROVED PERI-OPERATIVE NEUROLOGICAL SCREENING REDUCES POSTOPERATIVE DELIRIUM AFTER CABG SURGERY – *R. W. M. Keunen, W. Palmbergen, A. van Sonderen, A. Falsafi, Netherlands*

13:00 – 14:00 Lunch Break

14:00 - 15:00 **Session IX: My Worst Case / My Best Case**
Chairpersons: F. Schlachetzki (Germany); E. B. Ringelstein (Germany)

14:00 – 14:10 INTRODUCTION
F. Schlachetzki (Germany)

14:10 – 14:20 (O34) "TO STENT OR NOT TO STENT." SPONTANEOUS DISSECTION OF THE ICA WITH IMMINENT MALIGNANT MCA INFARCTION – *M. A. Ritter, R. Dittrich, F. Dechent, E. B. Ringelstein, Germany*

14:20 – 14:30 (O35) INTRAVASCULAR PAPILLARY ENDOTHELIAL HYPERPLASIA AT THE ORIGIN OF INTERNAL CAROTID ARTERY – *N. Carraro, V. M. Sarra, A. Gorian, P. Martingano, F. Pancrazio, S. Bucconi, G. Pizzolato, F. Chiodo Grandi, Italy*

14:30 – 14:40 (O36) "A HORSE, A HORSE, MY KINGDOM FOR A HORSE". SADDLE THROMBOSIS OF CAROTID BIFURCATION IN ACUTE STROKE – *E. Vicenzini, M. F. Giannoni, G. Sirimarco, M. C. Ricciardi, C. Zuco, E. Sbarigia, V. Di Piero, F. Speziale, G. L. Lenzi, Italy*

15:00 - 16:00 **Session X: Call for Neurosonography Multicenter Trial Collaborators**
Chairpersons: E. B. Ringelstein (Germany); F. Schlachetzki (Germany)

15:00 – 15:10	INTRODUCTION <i>E. B. Ringelstein (Germany)</i>
15:10 – 15:20	(O37) ITALIAN MULTICENTER STUDY ON VENOUS HEMODYNAMICS IN MULTIPLE SCLEROSIS. BASIC PROTOCOL – <i>M. Del Sette, G. Malferrari, M. Zedde, S. Sanguigni, N. Carraro, C. Baracchini, M. Mancini, E. Stolz, Italy</i>
15:20 – 15:30	(O38) ITALIAN MULTICENTER STUDY ON VENOUS HEMODYNAMICS IN MULTIPLE SCLEROSIS. ADVANCED PROTOCOL – <i>G. Malferrari, M. Del Sette, M. Zedde, S. Sanguigni, N. Carraro, C. Baracchini, M. Mancini, E. Stolz, Italy</i>
15:30 – 15:40	(O39) PLANNING A MULTI-CENTER EFFICACY TRIAL OF SONOTHROMBOLYSIS – <i>A. V. Alexandrov, United States</i>
15:40 – 16:00	CLOSING REMARKS, ORGANIZATION AND FUNDING IN MULTICENTER TRIALS – <i>E. B. Ringelstein (Germany)</i>

16:00 – 16:30	Closing Ceremony & Invitation to the 17th ESNCH Meeting 2012 <i>Chairpersons: E. Bartels (Germany), C. Baracchini (Italy)</i>
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