SCIENTIFIC PROGRAMME

7th ANNUAL EANS VASCULAR SECTION MEETING

7-8 SEPTEMBER 2020

Meeting Chairman:
Andreas Gruber (Austria)

Scientific Committee:
Andreas Gruber (Austria)
Mika Niemelä (Finland)
Peter Vajkoczy (Germany)
Andreas Raabe (Switzerland)
Jeroen Boogaarts (The Netherlands)
Monday 7TH SEPTEMBER 2020

08.45 – 08.55  Welcome and Introduction by Jeroen Boogaarts (The Netherlands)

08.55 – 09.10  Covid-19 and New York  David Langer (USA)

09.10 – 11.05  Session 1: Aneurysm (clinical)
  Chairman: Boogaarts (The Netherlands)

  09.10 – 09.18  Evaluation of use of multimodal intraoperative monitoring during supratentorial aneurysm surgery. A comparative study  Lopez Ojeda (Spain)

  09.18 – 09.26  Management of aneurysmal subarachnoid haemorrhage 17 years after the ISAT trial: a survey of current practice in the UK and Ireland  Iorga (United Kingdom)

  09.26 – 09.34  Focused sylvian fissure opening approach for the treatment of unruptured MCA aneurysms: a retrospective comparative study  Di Bonaventura (Italy)

  09.34 – 09.42  Treatment strategy for distal posterior inferior cerebellar artery (PICA) aneurysms: our institutional series and systematic review  Di Bonaventura (Italy)

  09.42 – 09.50  Retrospective application of UIATS score to a multicenter cohort of ruptured intracranial aneurysms: how it would have oriented the treatment choices?  Stumpo (Italy)

  09.50 – 09.58  Retrospective application of risk scores to ruptured intracranial aneurysms: would they have predicted the risk of bleeding?  Stumpo (Italy)

09.58 – 10.20  Q&A and general discussion

10.20 – 10.30  Coffee break

10.30 – 10.38  Routine use of intraoperative CT angiography during elective clip occlusion of cerebral aneurysms improves complete aneurysm obliteration rates  Schwarting (Germany)
Comparison of polycystic kidney disease patients among 904 sporadic patients with intracranial aneurysms from the @neurIST database and the review of the literature of PKD-patients

Haemmerli (Switzerland)

Surgical treatment of unruptured middle cerebral artery bifurcation aneurysms: long-term retrospective single center study

Gmeiner (Austria)

Q&A and general discussion

Coffee Break

Session 2: Aneurysms (Research and Experimental)

Chairman: van der Zwan (The Netherlands)

Aspirin treatment prevents inflammation in experimental bifurcation aneurysms with different wall conditions in New Zealand White rabbits.

Wanderer (Switzerland)

Comparison of Aneurysm Patency and Mural Inflammation in an Arterial Rabbit Sidewall and Bifurcation Aneurysm Model under Consideration of Different Wall Condition

Grüter (Switzerland)

The “Live Cadaver” for practicing neurovascular procedures

Aboud (USA)

4D neurosurgical simulator for training aneurysm microsurgery

Bervini (Switzerland)

Q&A and general discussion

Lunch

Session 3: Bypass

Chairman: Vajkoczy (Germany)

Trends and fashion in research of cerebral revascularization: a systematic review of the bypass literature

Grüter (Switzerland)

Vessel occlusion patterns, clinical presentation and outcome of extracranial to intracranial bypass surgery after COSS

Wessels (Germany)
12.46 – 12.54 Hemodynamic evaluation of patients with carotid disease and impact of intra- and extracranial revascularization procedures  
Sebök (Switzerland)

12.54 – 13.02 The Zurich flowchart for STA-MCA bypass indication in patients with acute stroke by IC and/or M1 occlusion  
Sebök (Switzerland)

13.02 – 13.10 Impact of blood pressure changes in cerebral blood perfusion of patients with ischemic moyamoya disease evaluated by SPECT  
Andrade (Germany)

13.10 – 13.18 Safety and feasibility of trans-cranioplasty ultrasound to allow for patency assessment in the setting of extracranial-intracranial (EC-IC) bypass surgery  
Burkhardt (USA)

13.18 – 13.35 Q&A and general discussion

13.35 – 13.45 Coffee Break

13.45– 15.35 Session 4: Subarachnoid haemorrhage (SAH)  
Chairman: Schirmer (USA)

13.45 – 13.53 The role of Sartans in the treatment of stroke and subarachnoid haemorrhage: A systematic review of preclinical and clinical studies  
Wanderer (Switzerland)

13.53 – 14.01 Invasive neuromonitoring with an extended definition of delayed cerebral ischemia is associated with improved outcome after poor-grade subarachnoid haemorrhage.  
Veldeman (Germany)

14.01 – 14.09 Procalcitonin in the context of delayed cerebral ischemia after aneurysmal subarachnoid haemorrhage  
Veldeman (Germany)

14.09 – 14.17 The Heart-Brain Axis In Experimental Subarachnoid Hemorrhage  
Xu (Germany)

14.17 – 14.25 The Neuropsychological Assessment Battery (NAB) is a valuable tool for evaluating neuropsychological outcome after aneurysmatic subarachnoid haemorrhage  
Walter (Germany)

14.25 – 14.40 Q&A and general discussion

14.40 – 14.50 Coffee break
<table>
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<th>Time</th>
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| 14.50 – 14.58 | Stereotactic Catheter Ventriculocisternostomy and Cisternal Lavage Reduces Delayed Infarction and Improves Outcome in Patients with Aneurysmal Subarachnoid Hemorrhage  
   Scheiwe (Germany) |
   Mahlamäki (Finland) |
| 15.06 – 15.14 | Burden of aneurysmal subarachnoid hemorrhage in middle-aged people  
   Rautalin (Finland) |
| 15.14 – 15.22 | Impact of thrombocyte transfusion on rebleed rate and clinical outcome in patients with aneurysmal subarachnoid hemorrhage with prehemorrhage antiplatelet use  
   Sebök (Switzerland) |
| 15.22 – 15.35 | Q&A and general discussion |
| 15.35 – 15.45 | Coffee break |
| 15.45 – 17.00 | American perspectives  
   Chairman: Bederson (USA) |
| 15.45 – 15.53 | Micro navigation using AR and HUD during AVM Resection  
   Bederson (USA) |
| 15.53 – 16.01 | Moyamoya Syndrome in the Bluegrass: Clinical Variants and a Potential Model of the Disease  
   Fraser (USA) |
| 16.01 – 16.09 | Evolving revascularization - novel surgical and combined bypass strategies  
   Russin (USA) |
| 16.09 – 16.17 | MMA embo for CSDH  
   Albuquerque (USA) |
| 16.17 – 16.25 | Advances in minimally invasive ICH evacuation  
   Kellner (USA) |
| 16.25 – 16.33 | Neuroendovascular robotics feasibility and early experience,  
   Jabbour (USA) |
| 16.33 – 17.00 | Q&A and general discussion |

END OF DAY ONE
Tuesday 8TH SEPTEMBER 2020

09.00 – 09.55  **Session 5: AVM**  
*Chairman: Raabe*

09.00 – 09.08  Systematic Review of Brain Arteriovenous Malformation Grading Systems Evaluating Microsurgical Treatment Recommendation  
*Grüter (Switzerland)*

09.08 – 09.16  Long-term Outcomes and Multimodality Treatment of a Surgical Series of High Grade Arteriovenous Malformations: a 10-years Observational Study  
*Frio (Italy)*

09.16 – 09.24  7-Years experience with an interdisciplinary AVM conference – from a neurosurgical perspective  
*Zweckberger (Germany)*

09.24 – 09.32  Propranolol inhibits SDF1α/CXCR4 axis: a possible treatment mechanism of cerebral cavernous malformations  
*Sepide (Germany)*

09.32 – 09.40  Diffuseness and Age in AVMs : Considerations on Surgical Timing  
*Cenzato (Italy)*

09.40 – 09.55  **Q&A and general discussion**

09.55 – 10.05  Coffee break

10.05 – 10.50  **Session 6: TEA**  
*Chairman: van der Zwan (The Netherlands)*

10.05 – 10.13  Incomplete circle of Willis predicts the risk for intraoperative changes in somatosensory evoked potentials in patients undergoing carotid endarterectomy: a prospective cohort study  
*Mueller (Switzerland)*

10.13 – 10.21  Management of postoperative carotid intimal flap after carotid endarterectomy  
*Rychen (Switzerland)*

10.21 – 10.29  Endarterectomy for Symptomatic Internal Carotid Artery Web  
*Haynes (USA)*
10.29 – 10.37 A 10% decrease in cerebral oxymetry after selective internal carotid artery cross-clamping as an indicator of shunt implantation during carotid endarterectomy

Hejcl (Czech Republic)

10.37 – 10.50 Q&A and general discussion

10.50 – 11.00 Coffee break

11.00 – 14.20 Session 7: EANS/ESMINT Joint session
Chairman: Gruber (Austria)

11.00 – 11.08 Parasagittal Meningiomas occluding completely the Superior Sagittal Sinus. Strategy for total removal and the eventual role of venous restoration with autologous venous graft bypass

Georgoulis (Greece)

11.08 – 11.16 Radiological outcome of intracranial aneurysms treated with WEB rarely changes: Comparison of radiological outcomes at 6-months and 24-months

Rautio (Finland)

11.16 – 11.24 Pulsation as a measure of instability for intracranial aneurysm. What can we measure?

Boogaarts (The Netherlands)

11.24 – 11.32 Multicenter clinical and angiographic results with the p48 flow diverter stent

Van den Bergh (Belgium)

11.32 – 11.40 Neurovascular conflict of the anterior visual pathway – the new kid on the block

Müther (Germany)

11.40 – 11.48 eCLIPS experience in wide-neck bifurcation aneurysms with extremely low dome-to-neck and aspects ratio

Soerensen (Denmark)

11.48 – 12.10 Q&A and general discussion

12.10 – 12.40 Lunch break

12.40 – 12.48 Finnish Flow Diverter Study: 8 years of experience in the treatment of acutely ruptured intracranial aneurysms

Alpay (Finland)

12.48 – 12.56 pCONUS 2 and pCONUS 2-HPC for the Treatment of Unruptured Wide Necked Intracranial Aneurysms: Periprocedural, 6-Month, and 2-Year Midterm Follow-Up Outcomes

Yeomans (United Kingdom)
12.56 – 13.04 Machine learning algorithms used for the prediction of chronic shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage - preliminary data from 509 cases

Gollwitzer (Austria)


Lynch (United Kingdom)

13.12 – 13.25 Q&A and general discussion

13.25 – 13.35 Coffee break

13.35 – 13.43 Initial Experience: Flow Diverters with hydrophilic polymer coating (p48 hpc and p64 hpc)

Kemmling (Germany)

13.43 – 13.51 Endovascular treatment of intracranial aneurysms using WEB embolization device - a single center 6 years experience

Miś (Poland)

13.51 – 13.59 Comparison of anterior and posterior intracranial arterial dissections

Lee (Republic of Korea)

13.59 – 14.07 An easy and fast algorithm for cost analysis of in-hospital costs of endovascular coiling and neurosurgical clipping for unruptured intracranial aneurysms

Sherif (Austria)

14.07 – 14.20 Q&A and general discussion

14.20 – 14.30 Coffee break

14.30 – 14.55 Session 8: EANS cerebrovascular trials update

14.30 – 14.50 EANS cerebrovascular trials update

Beck, Bervini, Goldberg, Raabe, Fung

14.50 – 14.55 Q&A and general discussion

14.55 – 15.05 Coffee break

15.05 – 16.10 American perspectives

Chairman: Welch (USA)

15.05 – 15.13 Value of a hybrid operating room for combined open and endovascular procedures

Griessenauer (USA)
15.13 – 15.21  Advanced on molecular imaging of cerebral aneurysms  
Hasan (USA)

15.21 – 15.29  Minimally Invasive Parafascicular Approach for Resection of Ruptured Subcortical AVMs  
Singer (USA)

15.29 – 15.37  Comparing low dose IV heparin treated SAH patients vs SQ heparin control in 556 patients  
James (USA)

15.37 – 15.45  IVH and effect on long-term gait disturbance and urinary incontinence  
Prestigiacomo (USA)

15.45 – 15.53  AI-based stroke prevention for neurosurgeon  
Schirmer (USA)

15.53 – 16.10  Q&A and general discussion

16.10 – 16.20  Break

16.20 – 16.30  Closing of the meeting  
Raabe, Gruber, Niemelä