



SCIENTIFIC PROGRAM

Monday, 16th of October: Stroke

Plenary Room, level 2

08:15 – 10:15	Plenary Session 1. - Stroke: What haven't been learned from the RCT-s
	Chairperson: Patrick Brouwer , <i>Sweden</i>
	Moderators: Rafael Rodriguez Mercado , <i>Puerto Rico</i> Rüdiger von Kummer , <i>Germany</i>
08:15 – 08:20	How would you do this case? Demonstrative case presentation & audience poll
08:20 – 08:35	INV03 Pre-thrombectomy imaging Mayank Goyal , <i>Canada</i>
08:35 – 08:50	Is IVT still needed? Marc Ribo , <i>Spain</i>
08:50 – 09:05	Expanding time window & wake up stroke Tudor Jovin , <i>USA</i>
09:05 – 09:20	Alternate thrombectomy techniques: Retrieval versus aspiration Siddiqui Adnan , <i>USA</i>
09:20 – 09:35	Thrombectomy in posterior circulation stroke: Johannes C. Gerber , <i>Germany</i>
09:35 – 09:45	INV04 Sedation versus general anaesthesia for thrombectomy Markus A. Möhlenbruch , <i>Germany</i>
09:45 – 10:00	INV05 Periprocedural antithrombotic treatment Lucie Thibault , <i>Canada</i>
10:00 – 10:10	Panel discussion

10:10 – 10:15 **How would you do this case now? Demonstrative case presentation & audience poll**

10:15 – 10:30 **Opening ceremony**

10:30 – 11:00 *Coffee break*

11:00 – 12:15 **Plenary Session 2. - Stroke: Where are we going? Ongoing research**

Chairperson: **Jan Gralla**, *Switzerland*

Moderators: **Orlando Diaz**, *USA*
Akira Ishii, *Japan*

11:00 – 11:15 **Progress of the international clot research project:**
Simon De Meyer, *Belgium*

11:15 – 11:30 INV06
New recanalization techniques
Matthew J. Gounis, *USA*

11:30 – 11:45 **Neuroprotective bridging and endovascular treatment beyond recanalization: hyperoxygenation and intra-arterial cooling**
Sven Poli, *Germany*

11:45 – 12:00 **Tissue regeneration: intra-arterial stem cell infusion**
Éva Mezey, *USA*

12:00 – 12:15 **Panel discussion**

12:15 – 13:15 **Industry symposia**

13:15 – 14:15 *Lunch break*

14:15 – 16:00 **Parallel abstract sessions - Stroke**

Moderators: **Osama O. Zaidat**, *United States*
Michel Piotin, *France*

14:15 – 14:25 001
Influence of Balloon, Conventional, or Distal Catheters on Angiographic and Clinical Outcomes in the STRATIS Registry
Zaidat Osama O, *USA*

- 14:25 – 14:35 002
Prior IVT in Mechanical Thrombectomy for Acute Ischemic Stroke: Benefit or Not?
Parra-Farinas Carmen, *Spain*
- 14:35 – 14:45 003
Safety and Efficacy of the “SOFITAIRE” approach in the Endovascular Treatment of Acute Ischemic Stroke
Pabon Boris, *Colombia*
- 14:45 – 14:55 004
Wireless ADAPT (WADAPT) Thrombectomy
Miskolczi Laszlo, *USA*
- 14:55 – 15:05 005
Endovascular revascularization with contact aspiration versus stent retriever in acute Ischemic stroke with large vessel occlusion. The ASTER TRIAL
Piotin Michel, *France*
- 15:05 – 15:15 006
Correlation of Tmax volumes with clinical outcome in anterior circulation stroke
Seker Fatih, *Germany*
- 15:15 – 15:25 007
Impact of vertebral patency and anatomy on reperfusion success of mechanical thrombectomy in acute basilar artery occlusions: Do we need contralateral flow-arrest?
Boeckh-Behrens Tobias, *Germany*
- 15:25 – 15:35 008
Y-configuration double-stent thrombectomy for acute intracranial bifurcation occlusion refractory to conventional thrombectomy
Li Zifu, *China*
- 15:35 – 15:45 009
Safety and efficacy of the “Push and fluff” technique for Trevo deployment: comparison with standard unsheathing technique
Limbucci Nicola, *Italy*
- 15:45 – 15:55 010
Mechanical thrombectomy with microcatheter for distal occlusion
Park Bumsoo, *South Korea*
- 16:00 – 16:15 Parallel Industry symposium**
- 16:15 – 16:45 *Coffee break*

16:45 – 18:35 Parallel abstract session - Stroke

Moderators: **Delgado Almandoz Josser, USA**
Mansour Ossama, Egypt

- 16:45 – 16:55 011
Endovascular recanalization of proximal ICA occlusion in acute ischemic stroke: the stilet-balloon technique
Zsolt Vajda, Hungary
- 16:55 – 17:05 012
Tips and techniques for optimal stentriever placement in mechanical thrombectomy: The longer is better?
Kang Jongsoo, South Korea
- 17:05 – 17:15 013
Clinical and Cost Effectiveness of Using Evolving ACE Reperfusion Catheters as First-line Treatment of Acute Ischemic Stroke Due to Large Vessel Occlusions
Kayan Yasha, USA
- 17:15 – 17:25 014
A direct aspiration first-pass technique (ADAPT) versus stentriever thrombectomy in emergent large vessel intracranial occlusions
Stapleton Christopher J, USA
- 17:25 – 17:35 015
Frontline Therapy with the ACE Reperfusion Catheters in an Acute Ischemic Stroke Cohort
Delgado Almandoz Josser, USA
- 17:35 – 17:45 017
Role of different imaging modalities in acute ICA occlusion: A comparative study to endovascular catheterization in 65 patients
El Mekabaty Amgad, Switzerland
- 17:45 – 17:55 018
Thrombectomy with or without stenting of concurrent extracranial carotid disease
Nico Lorena, Canada
- 17:55 – 18:05 019
Direct aspiration first pass technique versus stent-retriever thrombectomy in acute basilar artery occlusion—Single center experience in 34 cases
Mansour Ossama, Egypt
- 18:05 – 18:15 020
luation of large bore aspiration catheters performance for endovascular treatment of acute ischemic stroke
Bernava Gianmarco, Switzerland

- 18:15 – 18:25 021
Permanent placement of self-expandable stent after refractory to recanalization with stent retriever thrombectomy in acute stroke
Ihm Eun Hyun, *South Korea*
- 18:25 – 18:35 022
Contrast extravasation during thrombectomy for acute ischemic stroke: incidence, endovascular management and clinical outcome
Nico Lorena, *Canada*

19:30 **Welcome reception** Hotel InterContinental Budapest

Session Room 1, level 2, Monday

07:15 – 08:00	Breakfast Seminar Back to the basics: Thrombosis and antithrombotic treatment Chairperson: László Szapáry, Hungary
	INV07 Clotting mechanisms related to embolic stroke Krasimir Kolev, Hungary
	INV08 Clinical pharmacology of antithrombotic drugs Lucie Thibault, Canada
08:15 – 10:15	Plenary Session 1. - Stroke: What haven't been learned from the RCT-s <i>Live Transmission from Plenary Room</i>
10:15 – 10:30	Opening ceremony <i>Live Transmission from Plenary Room</i>
10:30 – 11:00	<i>Coffee break</i>
11:00 – 12:15	Plenary Session 2. - Stroke: Where are we going? Ongoing research <i>Live Transmission from Plenary Room</i>
13:15 – 14:15	<i>Lunch break</i>
12:15 – 13:15	Industry symposia <i>Live Transmission from Plenary Room</i>
14:15 – 16:00	Parallel abstract session – Stroke Moderators: Killer-Oberpfalzer Monika, Austria Berentei Zsolt, Hungary
14:15 – 14:25	023 The value of perfusion CT as a prognostic factor after mechanical thrombectomy in anterior circulation large vessel occlusion patients Jang Kyung-Sool, South Korea
14:25 – 14:35	024 Utilization of acute vascular imaging and neurointervention for acute ischemic stroke patients among 20 out of 39 Hungarian stroke centers Pozsegovits Krisztian, Hungary

- 14:35 – 14:45 025
Reduced cerebral DWI lesions after carotid artery stenting with the Casper Device
Killer-Oberpfalzer Monika, *Austria*
- 14:45 – 14:55 026
Stroke protocol performed multiphase CT angiography: correlation between the CT results and the clinical outcome in case of endovascular treatment
Pozsar Kinga, *Hungary*
- 14:55 – 15:05 027
Findings and Clinical Usefulness of the C-arm CT (Xper) after Mechanical Thrombectomy of Acute Occlusion of the Anterior Circulation
Rho M.H., *South Korea*
- 15:05 – 15:15 028
Diagnostic accuracy of 3D black blood MR imaging with high resolution T1 SPACE in the evaluation of intracranial arterial thrombosis
Shokufar Tahaamin, *USA*
- 15:15 – 15:25 029
Value of Cone Beam CT in post-thrombectomy evaluation of acute stroke patients
Berentei Zsolt, *Hungary*
- 15:25 – 15:35 030
Relation between infarct volume and location and 90 day functional outcome after acute ischemic stroke in pooled analysis of recent endovascular trials
Boers Anna M M, *the Netherlands*
- 15:35 – 15:45 031
Imaging in patients with chronic ICA occlusion for bypass surgery triage by BOLD-fMRI using apnoe in comparison with computed tomography perfusion
Horvath-Rizea Diana, *Germany*
- 15:45 -15:55 032
Endovascular therapy of acute ischemic stroke in clinical practice: results from the MR CLEAN Registry
Majoie Charles B, *the Netherlands*

16:00 – 16:15 Parallel Industry symposium

16:15 – 16:45 *Coffee break*

16:45 – 18:35 Parallel abstract session - Stroke

Moderators: **Donald Frei, USA**
Ota Takahiro, Japan

16:45 – 16:55 033

ASPECTS 8-10 Patients Demonstrate Similar Clinical Outcomes from Thrombectomy with the 3D Revascularization Device vs Solitaire
Siddiqui Adnan, USA

16:55 – 17:05 034

Endovascular thrombectomy in patients with wake-up stroke or unknown symptom onset
Bücke Philipp, Switzerland

17:05 – 17:15 035

Efficacy of endovascular thrombectomy with onset-to-puncture time less than three hours
Ota Takahiro, Japan

17:15 – 17:25 036

Impact of Chronic Comorbidities on Endovascular Thrombectomy
Park Sea Mi, USA

17:25 – 17:35 037

Mechanical thrombectomy for in-hospital ischemic stroke
Kojima Takao, Japan

17:35 – 17:45 038

Large intracranial vessel occlusion, IV thrombolysis, recanalization confirmed by DSA for intended but not required mTE: the clinical outcome
Serna Candel Carmen, Germany

17:45 – 17:55 039

Contralateral carotid artery stenosis is a predictor of a poor clinical outcome after mechanical thrombectomy and acute carotid stenting in patients with anterior tandem occlusion
Maus Volker, Germany

17:55 – 18:05 040

Mechanical Thrombectomy in Perioperative Strokes: A Case Control Study
Clarencon Frederic, France

18:05 – 18:15 041

Late recanalization of basilar artery occlusion in a previously healthy 17 month-old child
Wilkinson D. Andrew, USA

18:15 – 18:25

042

Long term results of stent-assisted coiling for ruptured intracranial vertebral artery dissections

Nakazawa Takuya, *Japan*

18:25 – 18:35

043

Importance of thrombuslocation in mechanical thrombectomy and systemic thrombolysis in acute MCA occlusion

Lobsien Donald, *Germany*

Session Room 2, level 4. - Monday

07:15 – 08:00

Breakfast Seminar

Back to the basics: How to improve the efficacy of science? Fertilizing the field of research by clinician-scientist collaboration

Chairpersons: **György Paál**, *Hungary*
Juhana Frösen, *Finland*

15 years of translational aneurysm research – lesson learned and caveats to be avoided

Juhana Frösen, *Finland*

Over 10 years of collaboration in aneurysms research

Gábor Janiga, *Germany*

Interdisciplinarity at its best: how inanimate flow simulations are filled with life by MDs

György Paál, *Hungary*

13:15- 13:45

Poster Session

Moderators: **László Solymosi**, *Germany*
Gustavo Alejandro Foa Torres*Argentina*

PP300

MTICI vs TICI scores in an external core-lab validated mechanical thrombectomy population using the same thrombectomy device

Yeo Leonard LL, *Sweden*

PP301

Utilization of balloon guide catheter improves recanalization rate in mechanical thrombectomy for acute stroke

Kim Byung Moon, *South Korea*

PP302

Accuracy and predictive value of reader assessed and machine rated ASPECT scores on non-enhanced CT for mechanical thrombectomy in large vessel occlusion strokes

Kis Balázs, *Hungary*

PP303

Clinical Factors Affecting Cognitive Function after Carotid Revascularization: A Multivariate Analysis

Akioka Naoki, *Japan*

PP305

Predictors for intracranial hemorrhage and 3 month mortality after intra-venous or intra-arterial revascularization in acute cerebral artery occlusion

Cho Byung-Rae, *South Korea*

PP306

Randomized assessment of safety and efficacy of intra-arterial infusion of autologous stem cells in ischemic stroke

Gupta Vivek, *India*

PP307

The consideration of the risk factors and the frequency of ocular symptoms accompanied with ruptured vertebral artery dissecting aneurysm

Moteki Yosuke, *Japan*

PP308

A low cost nextgen Telemedicine in Stroke Treatment with Smartphone

Takao Hiroyuki, *Japan*

13:45 – 14:15 *Lunch break*

14:15 – 15:45 Parallel abstract session – Stroke

Moderators: **Johannes A. R. Pfaff**, *Germany*
Anant Patel, *USA*

14:15 – 14:25 044

Fesability, efficacy and safety of tromboaspiration tecnique in the endovascular treatment of acute ischemic stroke: comparison between data from RITA Italian registry and Mr. Clean trial

Casseri Tommaso, *Italy*

14:25 – 14:35 045

Comparison of Stent Retriever and Contact Aspiration for Treatment of Acute Stroke in the Community Hospital Setting: Retrospective Analysis of 115 Cases

Leesch Wolfgang, *USA*

14:35 – 14:45 046

Fesability, safety and efficacy of direct tromboaspiration tecnique in acute ischemic stroke due to M2 segment occlusion: a retrospective multicenter study from Italian RITA registry

Casseri Tommaso, *Italy*

- 14:45 – 14:55 047
The influence of conscious sedation vs. general anesthesia for mechanical thrombectomy on interventional workflow in a randomized trial - a post-hoc analysis of the SIESTA trial
Pfaff Johannes A. R., Germany
- 14:55 – 15:05 048
The Role of the Lenticulostriate Arteries in the Development of Basal Ganglia Infarction in Patients with an Acute M1 Occlusion Treated with Thrombectomy
Khuntong Rujimas, Canada
- 15:05 – 15:15 050
Work flow in a comprehensive stroke center: Results of a first referral program quality database in Istanbul
Krespi Yakup, Turkey
- 15:15 – 15:25 051
Acute stroke management using image sharing on smart phones and tablet devices
Satomi Junichiro, Japan
- 15:25 – 15:35 052
Stent anchor with Mobile AspiRation Technique (SMART) for treating cerebral venous sinus thrombosis in high risk patients
Patel Anant, USA
- 15:35 – 15:45 053
Endovascular management of intracranial sinus thrombosis
Hellstern Victoria, Germany
- 16:00 – 16:15 Parallel Industry symposium**
- 16:15 – 16:45 *Coffee break*
- 16:45 – 18:35 Parallel abstract session – Stroke**
Moderators: **Sugiu Kenji, Japan**
Sándor Nardai, Hungary
- 16:45 – 16:55 054
Cerebrovascular drug eluting stent vs bare metal stent in the treatment of vertebral artery stenosis: a prospective randomized controlled clinical trial
He Yingkun, China

- 16:55 – 17:05 055
Detailed analysis regarding cerebral hyperperfusion syndrome in patients scheduled for staged angioplasty in a retrospective, Japanese multicenter study
Hayakawa Mikito, *Japan*
- 17:05 – 17:15 056
The Revised method of Angioplasty with Wingspan stent in Angioplasty for ICAS: Poststent Ballooning
You Seung Hoon, *South Korea*
- 17:15 – 17:25 057
Use of angioscopy for intravascular assessment of plaque protrusion after carotid artery stenting
Enomoto Yukiko, *Japan*
- 17:25 – 17:35 058
Stent placement for internal carotid artery stenosis at the skull base
Tsuneoka Haruka, *Japan*
- 17:35 – 17:45 059
30 Day Results from Revascularization of Extracranial Carotid Artery Stenosis (RECAS) in China Mainland: a Prospective Cohort Trial
Yang Bin, *China*
- 17:45 – 17:55 060
Clinical Analysis Comparing Efficacy between a Distal Filter Protection Device and Proximal Balloon Occlusion Device during Carotid Artery Stenting
Chung Seung Young, *South Korea*
- 17:55 – 18:05 061
Improved Clinical Outcome of Carotid Artery Stenting by Adequate Use of Tailored CAS and CEA in Elderly Patients
Morimoto Masafumi, *Japan*
- 18:05 – 18:15 062
Endovascular revascularization of chronic complete occlusion of the internal carotid artery
Nemoto Shigeru, *Japan*
- 18:15 – 18:25 063
Use of Casper stent in internal carotid artery angioplasty
Haas Leandro Jose, *Brazil*
- 18:25 – 18:35 064
Potential of new generation double-layer micromesh stent for carotid artery stenting in patients with unstable plaque - A preliminary result using OFDI analysis
Yoshimura Shinichi, *Japan*

Session Room 3, level 4. Monday

07:15 – 08:00 **Breakfast Seminar**
Back to the basics: Stroke: epidemiology and imaging
Chairperson: **Dániel Bereczki**, *Hungary*

INV01
Epidemiology of stroke
Csaba Óváry, *Hungary*

INV02
Ischemic stroke imaging
Rüdiger von Kummer, *Germany*

14:15 – 15:55 **Parallel abstract session – Stroke**

Moderators: **Santhosh Raj**, *Singapore*
Hae Woong Jeong, *South Korea*

14:15 – 14:25 066
Impact of Mechanical Thrombectomy Device on Thrombus Histology in Acute Embolic Stroke
Horie Nobutaka, *Japan*

14:25 – 14:35 067
Relationship between density of thrombus on admission CT scan and recanalization grade in mechanical thrombectomy with stent retrievers
Correia Manuel A. A., *Portugal*

14:35 – 14:45 068
Analysis by various methods of retrieved cerebral thrombi in acute ischemic stroke
Yoon ChangHyo, *South Korea*

14:45 – 14:55 069
Impact of clot composition on efficacy of stent thrombectomy
Nagy András, *Hungary*

14:55 – 15:05 070
Penetration depth of stent retrievers into clots is highly dependent on stent design
Lamprecht Sophie, *Germany*

15:05 – 15:15 071
Interaction between the stent strut and thrombus as characterized by contrast-enhanced high-resolution cone-beam computed tomography during deployment of the Solitaire stent retriever
Tsumoto Tomoyuki, *Japan*

- 15:15 – 15:25 072
Inter MRI machines agreement for the susceptibility vessel sign to predict in vitro thrombi composition
Detraz Lili, *France*
- 15:25 – 15:35 073
Endovascular venous sinus pressure measurements under conscious sedation and general anesthesia in idiopathic intracranial hypertension
El Mekabaty Amgad, *Switzerland*
- 15:35 – 15:45 074
Effect of venous sinus stenting on CSF opening pressure in patients with Idiopathic Intracranial Hypertension
Patsalides Athos, *USA*
- 15:45 – 15:55 075
A Case of Stent Placement for Intracranial Hypertension Associated with Venous Sinus Stenosis
Yamaguchi Rei, *Japan*

16:00 – 16:15 Parallel Industry symposium

16:15 – 16:45 *Coffee break*

16:45 – 18:45 Parallel abstract session – Miscellaneous

Moderators: **Wickly Lee**, *Singapore*
Jiao Liqun, *China*

- 16:45 – 16:55 076
Hybrid operations for the treatment of refractory vertebrobasilar insufficiencies
Lu Xia, *China*
- 16:55 – 17:05 077
Safety and Efficacy of Transradial Neuroangiography and Intervention in Multiple Scenarios: Medellín Experience
Pabon Boris, *Colombia*
- 17:05 – 17:15 078
Image Quality of Low Dose Cerebral Angiography and Effect on Patient Radiation Dose in Management of Intracranial Aneurysm
Kim Bum-soo, *South Korea*
- 17:15 – 17:25 079
Monoplane 3D Overlay Roadmap versus Conventional Biplane 2D Roadmap Technique for Neurointerventional Procedures
Jang Dong-Kyu, *South Korea*

- 17:25 – 17:35 080
Usefulness of 3D rotational angiogram with MIP slab images for pre-embolization assessment of spinal dural AVFs
Niimi Yasunari, *Japan*
- 17:35 – 17:45 081
Role of 320-row subtracted dynamic volume CT venography in evaluating transverse sinus stent patency in patients with idiopathic intracranial hypertension
El Mekabaty Amgad, *Switzerland*
- 17:45 – 17:55 082
Utility of Arterial Spin Labelling 3.0-T Perfusion MR Imaging in Diagnosis of Dural Arteriovenous Fistula
Miyamoto Michiyuki, *Japan*
- 17:55 – 18:05 083
Percutaneous Sclerotherapy of Head and Neck Low Flow Vascular Malformations
Lucas-Neto Lia, *Portugal*
- 18:05 – 18:15 084
Small head and neck AVMs treated with preoperative embolization and surgery
Niimi Yasunari, *Japan*
- 18:15 – 18:25 085
Utilization of retrograde approach for various neuroendovascular procedures
Ito Yasushi, *Japan*
- 18:25 – 18:35 086
Endovascular embolization of hypervascular tumors of the skull base with Onyx using two -luminal DMSO-compatible balloon-catheter
Petrov Andrey, *Russia*
- 18:35 – 18:45 087
Mid-term results of bioresorbable vascular scaffolds in interventional neuroradiology
Arat Anil, *Turkey*

Session Room 4, level 5, Monday

08:30 – 13:00	Symposium for nurses, technicians and radiographers in cooperation with ESMINT (detailed program - see page)
14:15 – 16:00	Parallel abstract session – Pediatric neurointerventions Moderators: Adam Rennie, UK Fergus Robertson, UK
14:15 – 14:25	088 Course and outcome of post-neonatal presentations of vein of Galen malformation Rennie Adam TM, UK
14:25 – 14:35	089 Dural sinus malformation with associated dural arteriovenous fistula: Single centre experience of 11 cases Robertson Fergus J, UK
14:35 – 14:45	090 Safety and Outcome of combined Endovascular and Surgical Management of Low Grade Cerebral Arteriovenous Malformations in Children compared to Surgery Alone Shokufar Tahaamin, USA
14:45 – 14:55	091 10 Year Experience of Paediatric Aneurysm Treatment in a National Paediatric Centre Schmitt Anne J, UK
14:55 – 15:05	092 Intracranial pial arteriovenous fistulae: clinical characteristics, endovascular treatment and outcome Medhi Gorky, India
15:05 – 15:15	093 The technique of superselective ophtalmic artery chemotherapy (SOAC) for retinoblastoma: the Argentinian experience Requejo Flavio, Argentina
15:15 – 15:25	094 Paediatric supra-selective intra-arterial chemotherapy (SIAC): safety and efficacy as a salvage therapy in intraocular retinoblastoma Robertson Fergus J, UK
15:25 – 15:35	095 Outcomes in neonatal vein of Galen malformation Rennie Adam TM, UK

15:35 – 15:45 096
Cerebral aneurysms in pediatric population: a multi-faceted entity
Requejo Flavio, *Argentina*

15:45 – 15:55 097
Onyx Embolization in Pediatric Neuro-interventional Procedures
Shokufar Tahaamin, *USA*

16:00 – 16:15 Parallel Industry symposium

16:15 – 16:45 *Coffee break*

16:45 – 18:45 Parallel abstract session – Spinal neurointerventions

Moderators: **Insup Choi**, *USA*
Dae Chul Suh, *South Korea*

16:45 – 16:55 098
Spinal epidural arteriovenous fistulas: Clinical features and long-term outcomes of 15 cases
Song Yunsun, *South Korea*

16:55 – 17:05 099
Case Series: Spinal Cord Infarction Due to the Diaphragmatic Crus Syndrome
Deib Gerard, *USA*

17:05 – 17:15 100
Spinal Cord Macroadenomas - A series of 18 cases
Sebastian Leve Joseph Devarajan, *India*

17:15 – 17:25 101
Endovascular treatment of spinal dural arteriovenous fistulas
Correia Manuel A. A., *Portugal*

17:25 – 17:35 102
Novel augmented reality navigation technology with intraoperative 3D cone beam CT imaging in a hybrid operating room: Experience in open and minimally invasive spine surgery
Elmi Terander Adrian, *Sweden*

17:35 – 17:45 103
Estimation of the number of feeding arteries of Spinal arteriovenous malformations by using three dimensional-digital subtraction angiography
Takamiya Soichiro, *Japan*

17:45 – 17:55 104
Pre-vertebrotomy arterial supply glue embolisation: relatively easy procedure to wide neurosurgical indications
Comelli Simone, *Italy*

- 17:55 – 18:05 105
Predictive factors of the management of Spinal cord Arterio-venous fistulas center experience with literature review
Mansour Ossama, *Egypt*
- 18:05 – 18:15 106
Technical Note: Image Guidance for Percutaneous Vertebroplasty using an Optical see-through head-mounted display (OST-HMD)
Deib Gerard, *USA*
- 18:15 – 18:25 107
Spinal CT angiography for the detection of feeding level of spinal dural arteriovenous fistulas
Várallyay Péter, *Hungary*
- 18:25 – 18:35 108
Percutaneous ozone nucleolysis for lumbar disc herniation
Mohamed Mohamed Ezeldin Amin, *Italy*

Tuesday, 17th of October: Stroke & Spine

Plenary Room, level 2

08:00 – 10:25	Plenary session 3. - Stroke care organization Chairperson: Jens Fiehler , <i>Germany</i> Moderators: Marc Ribo , <i>Spain</i> Italo Linfante , <i>USA</i>
08:00 – 08:30	Debate: Stroke care models 08:00 – 08:10 INV09 Drip & ship or Mother ship Sónia Abilleira , <i>Spain</i> 08:10 – 08:20 Ship the patient or the doctor? Johanna Fifi , <i>USA</i> 08:20 – 08:30 INV10 Impact of different models on treatment efficacy: a simulative technique Winston W.K. Chong , <i>Australia</i>
08:30 – 08:45	INV11 Acute Stroke care in Europe Urs Fischer , <i>Switzerland</i>
08:45 – 08:55	Acute Stroke care in North America Raul Nogueira , <i>USA</i>
08:55 – 09:05	INV12 Acute Stroke care in Japan Nobuyuki Sakai , <i>Japan</i>
09:05 – 09:15	INV13 Acute Stroke care in South-East Asia Wickly Lee , <i>Singapore</i>
09:15 – 09:25	Acute Stroke care in China Ling Feng , <i>China</i>
09:25 – 09:35	Acute Stroke care in South America Lautaro Badilla , <i>Chile</i>

- 09:35 – 09:45 INV14
Acute Stroke care in Africa
Allan Taylor, *South Africa*
- 09:45 – 09:55 **Acute Stroke care in Australia**
Peter Mitchell, *Australia*
- 09:55 – 10:00 **Panel discussion**
- 10:00 – 10:20 **Debate: Who should run the show?**
- 10:00 – 10:10 **Do you need help? Train the cardiologist**
Adnan Siddiqui, *USA*
- 10:10 – 10:20 **Do you need help? Train more neurointerventionists**
Shelley Renowden, *UK*
- 10:20 – 10:25 **Panel discussion**
- 10:25 – 10:55 *Coffee break*
- 10:55 – 12:15 Plenary Session 4. - Non-embolic stroke**
- Chairperson: **Martin Bendszus**, *Germany*
Moderators: **Chang-Woo Ryu**, *South Korea*
Cuong Tran Chi, *Vietnam*
- 10:55 – 11:35 **Revisiting intracranial stenting**
- 10:55 – 11:10 **Intracranial stenting in EU**
René Chapot, *Germany*
- 11:10 – 11:25 **Intracranial stenting in Asia**
Jiao Liqun, *China*
- 11:25 – 11:35 **Panel discussion**
- 11:35 – 12:15 **Sinus disease**
- 11:35 – 11:50 **Sinus thrombosis: the role of endovascular treatment**
Jan Gralla, *Switzerland*

11:50 – 12:05 INV15
Sinus stenosis: should it be treated endovascularly?
[Fergus J. Robertson](#), *UK*

12:05 – 12:15 **Panel discussion**

12:15 – 13:15 Industry symposia

13:15 – 14:00 *Lunch break*

14:00 – 15:40 Parallel abstract session - AVM: Development and pathology

Moderators: [Felipe Albuquerque](#), *USA*
[Miyachi Shigeru](#), *Japan*

14:00 – 14:10 109

Developmental considerations in Brain AVM

[de Miquel Maria A](#), *Spain*

14:10 – 14:20 110

Embryological consideration of dural arteriovenous fistulas

[Tanaka Michihiro](#), *Japan*

14:20 – 14:30 111

Angioarchitecture of arteriovenous fistulas at the craniocervical junction: a multicenter cohort study of 54 patients

[Sugiu Kenji](#), *Japan*

14:30 – 14:40 112

Microvascular anatomy of spinal dural arteriovenous fistulas: arteriovenous connections and their relationships with the dura mater

[Takai Keisuke](#), *Japan*

14:40 – 14:50 113

A Multi-Institutional Analysis of the Untreated Course of Cerebral Dural Arteriovenous Fistulas

[Albuquerque Felipe](#), *USA*

14:50 – 15:00 114

Modified classification of spinal dural arteriovenous fistula new concept of subtype based on the location of shunt point

[Miyachi Shigeru](#), *Japan*

15:00 – 15:10 115

Demographic and Angioarchitectural features predictive of Brain Arteriovenous Malformations Seizures in Kwazulu-Natal, South Africa

[Motebejane Mogwale Samson](#), *South Africa*

15:10 – 15:20	116 Demographic and Angioarchitectural features predictive of Brain Arteriovenous Malformations hemorrhage in Kwazulu-Natal, South Africa Motebejane Mogwale Samson , <i>South Africa</i>
15:20 – 15:30	117 Venous analysis in posterior Fossa AVM presenting with hemorrhage de Miquel Maria A , <i>Spain</i>
15:30 – 15:40	118 A novel method determining the annual risk for hemorrhage in unruptured brain arteriovenous malformations Söderman Michael , <i>Sweden</i>
15:45 – 16:00	Parallel Industry symposium
16:00 – 16:30	<i>Coffee break</i>
16:30 – 18:00	Parallel Plenary session 5/B - Pediatric neurointerventions – Acute Stroke in Children
	Chairperson: Darren Orbach , <i>USA</i> Moderators: Georges Rodesch , <i>France</i> László Bognár , <i>Hungary</i>
16:30 – 16:35	INV17 Acute Stroke in Children - Framing the Problem Darren B. Orbach , <i>USA</i>
16:35 – 17:05	Large Vessel Occlusion in Children: Natural History and Neurological Overview, Risk vs Benefit Gabrielle DeVeber , <i>Canada</i>
17:05 – 17:25	Imaging Protocols and Age Considerations for Acute Stroke in Children Todd Abruzzo , <i>USA</i>
17:25 – 17:45	Technique, Technical Approaches, and Judgement in Acute Stroke in Children Timo Krings , <i>Canada</i>
17:45 – 18:00	Panel discussion and questions
18:00 – 19:00	WFITN General Assembly

Session Room 1, level 2, Tuesday

07:15 – 08:00 **Breakfast Seminar**
Back to the basics: Non-atherosclerotic cerebral vascular disease: adults and children

Chairperson: **Péter Várallyay**, *Hungary*

INV16

Vasculitis: pathology and imaging

David Mikulis, *Canada*

Childhood stroke

Gabrielle DeVeber, *Canada*

08:00 – 10:25 **Plenary session 3. - Stroke care organization**

Live Transmission from Plenary Room

10:25 – 10:55 *Coffee break*

10:55 – 12:15 **Plenary Session 4. - Non-embolic stroke**

Live Transmission from Plenary Room

12:15 – 13:15 **Industry symposia**

Live Transmission from Plenary Room

13:15 – 14:00 *Lunch break*

14:00 – 15:45 **Parallel abstract session - AVM: Embolization techniques**

Moderators: **Tran Chi Cuong**, *Vietnam*

Gyula Gál, *Denmark*

14:00 – 14:10 119

Cortical venous reflux in arteriovenous malformations

Roosendaal Stefan D., *the Netherlands*

14:10 – 14:20 120

Curative and adjunctive AVM Onyx embolization of AVMs through the choroidal arteries

Lv Xianli, *China*

14:20 – 14:30 121

Contribution of preradiosurgical embolization for AVM may depend on its quality -Japanese registry of Radiosurgery following Embolization for AVM

Miyachi Shigeru, *Japan*

- 14:30 – 14:40 122
Squid Brain Arteriovenous Embolization using the Eclipse Balloon: About 15 patients
Petra Fernando, *Argentina*
- 14:40 – 14:50 123
Cerebral AVM: Preliminary Experience with Phil Embolic Material in a Single Center
Pabon Boris, *Colombia*
- 14:50 – 15:00 124
Preliminary in-vivo experience with the new PHIL LV 25% (Precipitating Hydrophobic Injectable Liquid – Low Viscosity) in a swine model
Burke Thomas H., *USA*
- 15:00 – 15:10 125
The safety and efficacy of two BAVM embolization methods: with Glubran or Onyx
He Xuying, *China*
- 15:10 – 15:20 126
Endovascular AVM embolization using double lumen DMSO-compatible balloon-catheter
Petrov Andrey, *Russia*
- 15:20 – 15:30 127
Endovascular Treatment of Brain AVMs with the SQUID®
Gál Gyula, *Denmark*
- 15:30 – 15:40 128
Double catheters technique for disconnecting very high flow intracranial arterial venous fistulas
Tran Chi Cuong, *Vietnam*

15:45 – 16:00 Parallel Industry symposium

16:00 – 16:30 *Coffee break*

16:30 – 18:00 Parallel Plenary session 5/A - Minimally invasive spine treatment

Chairperson: **Mario Muto**, *Italy*
Moderators: **Giuseppe Bonaldi**, *Italy*
Umair Rashid Chaudhry, *Pakistan*

16:30 – 16:50 **Debate: Vertebroplasty versus vertebral augmentation in porotic disease**

16:30 – 16:40 **Pro Vertebroplasty**
Mary Lee Jensen, *USA*

16:40 – 16:50 **Pro augmentation**
Mario Muto, *Italy*

16:50 – 17:00 Panel discussion

17:00 – 17:15 **Image guided spinal surgery**
Luigi Manfre, *Italy*

17:15 – 17:30 **Percutaneous treatment of spine metastasis**
Allan Brook, *USA*

17:30 – 17:45 **Percutaneous pain procedures**
Kieran Murphy, *Canada*

17:45 – 18:00 **Panel discussion**

Session Room 2, level 4, Tuesday

07:15 – 08:00 **Breakfast Seminar**
Back to the basic - Thrombectomy: how to choose patients and techniques

Chairperson: **Péter Barsi**, *Hungary*

INV18

Patient selection by advanced imaging

Karl-Olof Lovblad, *Switzerland*

Device selection

Paolo Machi, *France*

13:15 – 13:45 **Poster session**

Moderators: **Wickly Lee**, *Singapore*

PP309

Patient Radiation Dose from Neuroangiography: Effect of Serial Application of Dose Reduction Protocols

Kim Bum-Soo, *South Korea*

PP310

Long-term Results of Angioplasty using Stent-retrievers for Cerebral Vasospasm in SAH

Kwon HJ, *South Korea*

PP311

Safety of nonprotected carotid artery stenting - a single centre experience

Gardijan Danilo, *Croatia*

PP312

Anterior choroidal artery: anatomical-angiographic analysis

Navarro Fernando, *Argentina*

PP313

Pure N-butyl-cyanoacrylate Treatment for Pediatric Intracranial Nongalenic Pial Arteriovenous Fistulas

Lueangapapong Peerapong, *Thailand*

PP314

Intra-arterial chemotherapy for retinoblastoma: Initial experiences in Hungary

Maka Erika, *Hungary*

PP315

Dural sinus malformation in newborns: A report of an extremely rare congenital cerebrovascular malformation with favorable endovascular treatment outcome

Chanvanitkulchai Kannachod, *Thailand*

13:45 – 14:00 *Lunch break*

14:00 – 15:40 Parallel abstract session - AVM: arterial and venous embolization

Moderators: **James Byrne**, *UK*
Georghe Rodesh, *France*

14:00 – 14:10 129

Comparison of Predictive Grading Systems for Procedural Risk in Endovascular Treatment of Brain Arteriovenous Malformations – Analysis of 104 Consecutive Patients

Stapleton Christopher J, *USA*

14:10 – 14:20

130

Transvenous embolization of cavernous dural arteriovenous fistula via alternative routes instead of the inferior petrosal sinus

Toma Naoki, *Japan*

14:20 – 14:30

131

Advantages and limits of transvenous embolization of brain arteriovenous malformations

Limbucci Nicola, *Italy*

14:30 – 14:40

132

The combination of transarterial and transvenous approach in endovascular treatment of cerebral AVM

Kiselev Vitaly S, *Russia*

14:40 – 14:50

133

Outcomes Associated with Treatment of Unruptured Cerebral Arteriovenous Malformations

Tejada Juan G, *USA*

14:50 – 15:00

134

A comparison of clinical outcomes between interventional management and observation in a 7-year review of unruptured brain arteriovenous malformations

Churojana Anchalee, *Thailand*

15:00 – 15:10

135

Perimedullary arteriovenous fistulas: Clinical presentation and imaging findings in regard to flow pattern in 33 patients

El Mekabaty Amgad, *Switzerland*

- 15:10 – 15:20 136
Locating the target for embolization of hemorrhagic spinal arteriovenous malformations using 3D-DSA and MRI fusion
Srivatanakul Kittipong, *Japan*
- 15:20 – 15:30 137
Combined endovascular and surgical treatment of spinal dural arteriovenous fistulas
Ozretic David, *Croatia*
- 15:30 – 15:40 138
The analysis of the anatomic route of hypoglossal nerve within the hypoglossal canal using multidetector CT in case with anterior condylar confluence dural arteriovenous fistula
Mizutani Katsuhiko, *Japan*
- 16:00 – 16:30 *Coffee break*

Session Room 3, level 4, Tuesday

07:15 – 08:00 **Breakfast seminar**
Back to the basics: Spine: pain and percutaneous treatment
Chairperson: **Péter Banczerowski**, *Hungary*

Pathomechanisms of spinal pain
Kieran Murphy, *Canada*

Percutaneous spinal procedures
Giuseppe Bonaldi, *Italy*

14:00 – 15:10 **Parallel abstract session - DAVF**
Moderators: **Higashi Toshio**, *Japan*
Christoph Cognard, *France*

14:00 – 14:10 139
Everything its Possible in a Single Session: Improving Endovascular Treatment of Complex Intracranial Dural Arteriovenous Fistulas (dAVF's) Using a Dual Lumen Balloon Augmentation Technique
Pabon Boris, *Colombia*

14:10 – 14:20 140
Intracranial Dural AVF: A Single Centre Experience
Gaikwad Shailesh B, *India*

14:20 – 14:30 141
Treatment of Cavernous Sinus Dural Arteriovenous Fistula by Transvenous Onyx with Coil Embolization A Case Series
Lee Hyun Goo, *South Korea*

14:30 – 14:40 143
Embolization of dural arteriovenous fistula with ultra-low concentration NBCA
Higashi Toshio, *Japan*

14:40 – 14:50 144
Direct percutaneous sclerotherapy for venous malformations of the face
Haas Leandro Jose, *Brazil*

14:50 – 15:00 145
The usefulness of 3D venography in the treatment of dural arteriovenous fistulae
Aoki Rie, *Japan*

15:00 – 15:10

146

Dural arteriovenous fistulas of the anterior and posterior condylar vein: anatomy and treatment

Hellstern Victoria, *Germany*

16:00 – 16:30

Coffee break

Session Room 4, level 5, Tuesday

14:00 – 15:30	Parallel abstract session - Aneurysm research
	Moderators: Gábor Janiga , <i>Germany</i> Christian Valen-Sendstad , <i>Norway</i>
14:00 – 14:10	148 Emerging secondary flow patterns at the initiation site of sidewall aneurysms Csippa Benjamin , <i>Hungary</i>
14:10 – 14:20	149 Impact of vessel geometry on flow diverter mesh density in curved arteries Pogácsás Bettina , <i>Hungary</i>
14:20 – 14:30	150 Hydraulic resistance of FD stents under varying conditions Paál György , <i>Hungary</i>
14:30 – 14:40	151 Comparing the flow diverting effects between double LVIS and single PIPELINE using CFD simulation Shojima Masaaki , <i>Japan</i>
14:40 – 14:50	152 Particle residence time for prediction of intracranial aneurysm rupture risk Leemans Eva , <i>the Netherlands</i>
14:50 – 15:00	153 Fast patient-specific flow diverter deployment simulation Závodszky Gábor , <i>the Netherlands</i>
15:00 – 15:10	154 Location specific inflow profiles for intracranial aneurysms Cornelissen Bart M W , <i>the Netherlands</i>
15:10 – 15:20	155 Newtonian viscosity model for CFD studies in cerebral aneurysms Aziz Waseem H , <i>United Arab Emirates</i>
15:20 – 15:30	156 Hemodynamic effect of parent artery occlusion for giant intracranial aneurysm on surrounding arteries and aneurysm based on magnetic resonance fluid dynamics and computational fluid dynamics Kropp Asuka Elisabeth , <i>Japan</i>

Wednesday, 18th of October: AVM and miscellaneous

Plenary Room, level 2

07:15 – 08:00

Breakfast seminar

Back to the basics: AVM: evolution and elimination

Chairperson: **Karel TerBrugge**, *Canada*

Evolution of AVM

Hong Qi Zhang, *China*

Principles of AVM surgery

Robert Reisch, *Switzerland*

08:00 – 08:35

Plenary Session 6. - AVM research

Chairperson: **Luis Lemme Phlagos**, *Argentina*

Moderators: **Timo Krings**, *Canada*

Michihiro Tanaka, *Japan*

Panelists: **Insup Choi**, *USA*

Sirintara Pongpech, *Thailand*

08:00 – 08:15

INV19

Latest results in AVM pathogenesis research, Brain AVM: animal models, pathogenesis and new therapeutic options

Hua Su, *USA*

08:15 – 08:30

INV20

Latest results in DAVF pathogenesis research

Pervinder Bhogal, *Germany*

08:30 – 08:35

Panel discussion

08:35 – 10:15

Plenary session 7. - AVM embolization: what is the aim?

Chairperson: **Laurent Spelle**, *France*

Moderators: **Ronie Piske**, *Brasil*

Peter Rivera, *Philippines*

Panelists: **Jaques Moret**, *France*

Alejandro Berenstein, *USA*

Saruhan Cekirge, *Turkey*

Karel TerBrugge, *Canada*

- 08:35 – 08:40 **How would you do this case? Demonstrative case presentation & audience poll**
- 08:40 – 08:55 INV21
Embolization should aim complete occlusion by using transarterial-transvenous approach
István Hudák, *Hungary*
- 08:55 – 09:10 INV22
Embolization should aim complete occlusion by using transarterial approach
Naci Kocer, *Turkey*
- 09:10 – 09:25 INV23
Embolization should be used as a complementary method to surgery
Edoardo Boccardi, *Italy*
- 09:25 – 09:40 **Most AVM-s should be treated by microsurgery**
Peter Vajkoczy, *Germany*
- 09:40 – 09:55 INV24
Non-Surgical AVM's should be treated by radiosurgery without embolisation
Matthias Radatz, *United Kingdom*
- 09:55 – 10:05 **The European AVM treatment consensus proposal**
Marco Cenzato, *Italy*
- 10:05 – 10:15 **Panel discussion & Audience polling**
- 10:15 – 10:45 *Coffee break*
- 10:45 – 11:15 Plenary session 8. - The Pierre Lasjaunias Memorial Lecture**
- Chairperson: **Sirintara Pongpech**, *Thailand*
Moderators: **Luc Picard**, *France*
Michael Söderman, *Sweden*
- INV31
Low magnetic field MRI imaging of cerebral vascular disease
Gary Green, *UK*

11:15 – 12:15 Plenary session 9. - The human factor in the angiosuite: mental health and industry-physician interactions

Chairperson: **Michael Söderman**, *Sweden*

Moderators: **Michel Mawad**, *Lebanon*
James Byrne, *UK*

11:15 – 11:35 **Mental health in the angiography suit**

György Purebl, *Hungary*

11:35 – 12:05 **Partners or customers: physician – industry interaction**

11:35 - 11:50 **Industry:** INV25

Matt Fitz, *USA*

11:50 - 12:05 **Medicine:** **Patrick Brouwer**, *Sweden*

12:05 – 12:15 **Panel discussion**

12:15 – 13:15 Industry symposia

13:15 – 14:15 *Lunch break*

14:15 – 16:05 Parallel abstract session - Aneurysm research

Moderators: **Laurent Spelle**, *France*

Hans Henkes, *Germany*

14:15 – 14:25 157

Stromal cell-derived factor 1 α facilitates aneurysm remodeling in elastase-induced rabbit saccular aneurysm

Li Zifu, *China*

14:25 – 14:35 158

Recombinant human SDF-1 α administration accelerates aneurysm neck reendothelialization in rabbit saccular aneurysm after flow diverter treatment

Li Zifu, *China*

14:35 – 14:45 159

Development of Statin eluting coils to enhance neck endothelialization and thrombus organization in the aneurysm cavity

Kodama Tomonobu, *Japan*

14:45 – 14:55 160

Development and evaluation of a statin-carrying embolization coils

Toda Mitsuaki, *Japan*

- 14:55 – 15:05 161
Autologous Adipose-Derived Mesenchymal Stem Cells Improve Healing Of Coiled Experimental Saccular Aneurysms: An Angiographic and Histopathological Study
Rouchaud Aymeric, *France*
- 15:05 – 15:15 163
Vessel Wall MR (VW-MR) Evaluation of the Aneurysm Wall Enhancement in Unruptured, Untreated Intracranial Brain Aneurysms
Echeverria Martinez Mario Daniel, *Chile*
- 15:15 – 15:25 164
New hydrophilic stent coating inhibits platelet adhesion in vitro and in vivo
Henkes Elina, *Germany*
- 15:25 – 15:35 165
STAT: Stenting in the Treatment of Aneurysm Trial
Nico Lorena, *Canada*
- 15:35 – 15:45 166
The low profile LVIS Jr Stent in treatment with coling of intracranial aneurysms. Initial 21 devices and follow up in a Brazilian single center experience
Cabral de Andrade Guilherme, *Brazil*
- 15:45 – 15:55 167
The influence of stent stiffness on vascular morphology and accompanying hemodynamic changes in intracranial sidewall aneurysms
Cornelissen Bart M W, *the Netherlands*
- 15:55 – 16:05 168
Endovascular management of intracavernous ICA aneurysms: Giant Problem – Smart Solution
Gaikwad Shailesh B, *India*
- 16:15 – 16:45 *Coffee break*
- 16:45 – 17:05 Plenary Session 10. - Best papers session**
- Chairperson: **Michael Söderman**, *Sweden*
Moderators: **Luis Lemme-Phlagos**, *Argentina*
Allan Taylor, *South Africa*
- 16:45 – 16:55 AWARD1
Collateral status set the onset-to-recanalization time window for good outcome
Kim Byung Moon, *South Korea*

- 16:55 – 17:05 AWARD2
Flow Re-direction Endoluminal Device (FRED) for the treatment of cerebral aneurysms: results and outcomes in 2 centres
Mahboobani Neeraj R, *Hong Kong*
- 17:05 – 17:45 Plenary session 11. - Expanding the horizon: neurointerventional oncology**
- Chairperson: **Alessandra Biondi**, *France*
Moderators: **Pascal Mosimann**, *Switzerland*
 Allan Taylor, *South Africa*
- 17:05 – 17:20 **Retinoblastoma chemotherapy**
Pierre Gobin, *USA*
- 17:20 – 17:35 INV26
Intra-arterial chemotherapy for brain tumors: is there an indication?
Csanád Várallyay, *USA*
- 17:35 – 17:45 Discussion
- 17:45 – 18:45 Parallel abstract session - Aneurysm research**
- Moderators: **Miklós Marosfői**, *USA*
 Miyachi Shigeru, *Japan*
- 17:45 – 17:55 169
Minor communicating malapposition has a major impact on aneurysm occlusion after flow diverter implant
Marosfoi Miklos, *USA*
- 17:55 – 18:05 170
The Flow Redirection Endoluminal Device (FRED) in treatment of intracranial aneurysms. Initial 28 devices and follow up in a single center Brazilian experience
Cabral de Andrade Guilherme, *Brazil*
- 18:05 – 18:15 171
Innovations in Endovascular Treatment Strategies for Large Carotid Cavernous Aneurysms — The Safety and Efficacy of a Flow Diverter
Miyachi Shigeru, *Japan*

- 18:15 – 18:25 172
Wall apposition is more important than mesh density in flow diverters
[Aquarius Rene](#), *the Netherlands*
- 18:25 – 18:35 173
Retreatment of residual aneurysms after flow-diversion: An experimental study
[Darsaut Tim E.](#), *France*
- 18:35 - 18:45 174
AMD3100 accelerates reendothelialization of neointima formation in rabbit saccular aneurysm after flow diverter treatment
[Li Zifu](#), *China*

Session Room 1, level 2, Wednesday

07:15 – 08:00

Breakfast seminar

Back to the basics: DAVF: Evolution and occlusion

Chairperson: **Zsolt Berentei**, *Hungary*

Evolution of DAVF

Insup Choi, *USA*

Endovascular treatment of DAVF

René Chapot, *Germany*

08:00 – 08:35

Plenary Session 6. - AVM research

Live Transmission from Plenary Room

08:35 – 10:15

Plenary session 7. - AVM embolization: what is the aim?

Live Transmission from Plenary Room

10:15 – 10:45

Coffee break

10:45 – 11:15

Plenary session 8. - The Pierre Lasjaunias Memorial Lecture

Live Transmission from Plenary Room

11:15 – 12:15

Plenary session 9. - The human factor in the angiosuite: mental health and industry-physician interactions

Live Transmission from Plenary Room

13:15 – 14:15

Lunch break

14:15 – 16:15

Parallel abstract session - Aneurysm clinical, Imaging, Outcomes, Miscellaneous

Moderators: **Marta Aguilar-Perez**, *Germany*

Markus Möhlenbruch, *Germany*

14:15 – 14:25

175

Review of size, morphology and location of ruptured cerebral aneurysms from a single center

AlMatter Muhammad, *Germany*

14:25 – 14:35

176

Can blister-like aneurysm disappear? Spontaneous occlusion of a side wall basilar aneurysm. Case report and review of the literature

Cavasin Nicola, *Italy*

- 14:35 – 14:45 177
Treatment of ruptured blister and blister-like aneurysms with flow-diverters: a dual centre experience
Gaudino Chiara, *Italy*
- 14:45 – 14:55 178
Short-segment Internal Trapping for A Symptomatic Thrombosed Large Fusiform Vertebra Artery Aneurysm: Vermicelle technique
Nishihori Masahiro, *Japan*
- 14:55 – 15:05 179
Clinical and Angiographic Follow-Up Results of Endovascular Coiling using Triple Microcatheters for patients with relatively Wide-necked Aneurysm in Parent Artery Less than 1.5mm in diameter
Jang E Wook, *South Korea*
- 15:05 – 15:15 180
Features and results of endovascular treatment of ophthalmic segment aneurysms
Kiselev Vitaly S, *Russia*
- 15:15 – 15:25 181
Low dose 3D rotational angiography for intracranial aneurysm: analysis of image quality and patient radiation dose
Im Sanghyuk, *South Korea*
- 15:25 – 15:35 182
Correlation of Vessel Wall MR Features of Intracranial Vertebral Artery Dissection to Intravascular Ultrasound Findings
Kim Hyung-In, *South Korea*
- 15:35 – 15:45 183
Post-embolization Dual Energy CT (DECT) of brain: frequently noted contrast enhancing areas after endovascular treatment of unruptured intracranial aneurysm
Roh Jieun, *South Korea*
- 15:45 – 15:55 184
A as a non-invasive alternative to angiography for the follow-up of Surpass flow diverter treated intracranial aneurysms
de Korte Antonius Mattheus, *the Netherlands*
- 15:55 – 16:05 185
MRA for follow up of aneurysms after treatment with flow diverter stents
Agid Ronit, *Canada*
- 16:05 – 16:15 186
Mechanical recanalization using Solitaire AB device for severe

thromboembolic events in endovascular treatment of intracranial aneurysms

Shao Qiuji, *China*

16:15 – 16:45 *Coffee break*

17:45 – 18:45 Parallel abstract session - Aneurysm clinical, Imaging, Outcomes, Miscellaneous

Moderators: **Akira Ishii**, *Japan*
Lautaro Badilla, *Chile*

- 17:45 – 17:55 187
Angiographic and clinical long-term follow-up in patients with acutely ruptured aneurysm undergoing web treatment
Gutte Henrik, *Denmark*
- 17:55 – 18:05 189
Long-term outcomes of coiled unruptured intracranial aneurysms: followed for up to 20 years
Koyanagi Masaomi, *Japan*
- 18:05 – 18:15 190
Clinical outcome of Ruptured Aneurysm Treatment in the US: National Inpatient Sample Data (NIS) analysis
Lee Seon-Kyu, *USA*
- 18:15 – 18:25 191
Preliminary Results from the ISAT-2 Trial
Darsaut Tim E., *Canada*
- 18:25 – 18:35 224
Endovascular Treatment of Cerebral Aneurysms Using LVIS Jr Stent: Mid-term Clinical and Angiographic Results
Pabon Boris, *Colombia*
- 18:35 – 18:45 225
Endovascular treatment of unruptured aneurysm with LVIS and LVIS JR. stent
Haas Leandro Jose, *Brazil*

Session Room 2, level 4, Wednesday

07:15 – 08:00

Breakfast Seminar

Back to the basics: The invisible factor: the aneurysm wall

Chairperson: **András Büki**, *Hungary*

INV27

Biology and histology of the intracranial aneurysm wall

Juhana Frösen, *Finland*

Imaging of the aneurysm wall

Timo Krings, *Canada*

13:15 – 13:45

Poster session

Moderator: **Winston Lim**, *Singapore*

PP316

Dural Arteriovenous Fistulas as a Reversible Cause of Dementia: An analysis of Radiographic Features and Treatment Outcome

Boonchai Tiplada, *Thailand*

PP317

Angiographic and clinical characteristics of thoracolumbar spinal epidural and dural arteriovenous fistulas

Kiyosue Hiro, *Japan*

PP318

Factors affecting the reachability of NBCA-lipiodol mixture to the arteriovenous shunt during transarterial embolization: a clinical study in intracranial dural arteriovenous fistulas

Kiyosue Hiro, *Japan*

PP319

The Effectiveness of Dural Venous Sinus Sacrifice as A Treatment of Aggressive Type Cranial Dural Arteriovenous Fistulas

Aurboonyawat Thaweesak, *Thailand*

PP320

The “GROUTING TECHNIQUE” in high-grade Intracranial Dural Arteriovenous Fistulae Embolization

Chou Wen-Chin, *Taiwan*

PP321

Increase of fluoroscopic radiation dose rate during multi-stage Onyx embolization of brain AVMs

Sheen Jae Jon, *South Korea*

PP322

Correlation between angioarchitecture and obliteration rate of the brain arteriovenous malformation (BAVM) after hypofractionated stereotactic radiotherapy (HSRT)

Chanthanaphak Ekachat, *Thailand*

PP323

Determination of the natural history of neck remnants of cerebral aneurysms treated with detachable coils assessed with Magnetic Resonance Angiography

Paxton Mark, *Australia*

PP324

Factors Related to Retreatment after Coil Embolization of Basilar Tip Aneurysm -Effect of Morphological Change Induced by Stent Placement-

Mori Kentaro, *Japan*

PP325

Determination of the natural history of cerebral aneurysms treated with detachable coils according to the Raymond-Roy Occlusion Classification assessed with Magnetic Resonance Angiography

Paxton Mark, *Australia*

14:15 – 16:05 Parallel abstract session - Aneurysm clinical: Outcomes

Moderators: **Peter Rivera**, *Philippines*
Maciej Szajner, *Poland*

14:15 – 14:25

193

Complex endovascular treatment of brain aneurysms in the acute period of subarachnoid hemorrhage

Mikeladze Ketevan, *Russia*

14:25 – 14:35

194

Endovascular treatment of aneurysm in elderly patients

Haas Leandro Jose, *Brazil*

14:35 – 14:45

195

Follow-up outcome of re-embolization in recanalized aneurysms after coiling: further recurrence rate and related risk factors

Lee Jeongjun, *South Korea*

14:45 – 14:55

196

Endovascular coil embolization of internal carotid artery anterior wall aneurysms

Hirohata Masaru, *Japan*

- 14:55 – 15:05 197
Endovascular treatment of 338 middle cerebral artery aneurysms: A single center 10-year experience
Zhou Yu, *China*
- 15:05 – 15:15 198
Results of endovascular and microsurgical treatment of patients with unruptured asymptomatic cerebral aneurysms of intradural part of ICA
Kaftanov Alexey, *Russia*
- 15:15 – 15:25 199
The experience of endovascular treatment of unruptured intracranial aneurysms: a single-center study
He Xuying, *China*
- 15:25 – 15:35 201
Ruptured middle cerebral artery aneurysms with a concomitant intraparenchymal hematoma: the role of hematoma volume
Zijlstra IJsbrand, *the Netherlands*
- 15:35 – 15:45 202
Long-term result of endovascular treatment with preservation of the vertebral artery in isolated dissecting aneurysms of the posterior inferior cerebellar artery
Jang E Wook, *South Korea*
- 15:45 – 15:55 203
Endovascular management of distal anterior cerebral artery (DACA) aneurysms: A Retrospective Review Study
Hakim Shakir Husain, *India*
- 15:55 – 16:05 204
Usefulness of motor-evoked potential monitoring (MEP) during embolization of anterior choroidal artery aneurysms
Hayashi Morito, *Japan*
- 16:15 – 16:45 *Coffee break*
- 17:45 – 18:45 Parallel abstract session - Aneurysm clinical: Outcomes**
Moderators: Naci Kocer, *Turkey*
Stefanita Dima, *Romania*
- 17:45 – 17:55 205
Surgical Clipping or Endovascular Coiling for Unruptured Intracranial Aneurysms: A Pragmatic Randomized Trial
Darsaut Tim E., *Canada*

- 17:55 – 18:05 206
Hybrid surgical and endovascular treatment of a giant cervical carotid aneurysm in a child
Ocal Osman, *Turkey*
- 18:05 – 18:15 207
Long-term Results of Endovascular Treatment for Ugly Aneurysms using Sandwich Technique
Kim Hyung-In, *South Korea*
- 18:15 – 18:25 208
Endovascular treatment of tiny intracranial aneurysms: sixteen-year experience with 113 cases at a single institution
Lu Jun, *China*
- 18:25 – 18:35 209
Factors of Aneurysmal Rebleeding Differ Depending on Clipping and Coiling After Subarachnoid Hemorrhage
Horie Nobutaka, *Japan*
- 18:35 – 18:45 210
Prognostic factor for recurrence of coiled small intracranial aneurysms
Yoon Seokmann, *South Korea*

Session Room 3, level 4, Wednesday

07:15 – 08:00

Breakfast Seminar

Back to the basics: The slinky enemy: vasospasm

Chairperson: **Ferenc Kövér, Hungary**

Pathophysiology and non-endovascular treatment of vasospasm

Péter Vajkóczy, Germany

Endovascular Treatment options

Thomas Liebig, Germany

14:15 – 16:15

Parallel abstract session - Aneurysm clinical: Coil and assisted coil

Moderators: **Alejandro M. Spiotta, USA**

Kamil Zelenak, Slovakia

14:15 – 14:25

211

Aneurysm coil embolization using ED coil® and 1.5F Marathon® catheter

Asano Takeshi, Japan

14:25 – 14:35

212

Initial Institutional Experience with the Axiom Prime Extra Soft Coil for Treatment of Intracranial Aneurysms

Kayan Yasha, USA

14:35 – 14:45

213

Second-generation Hydrogel-coated Coils for the Endovascular Treatment of Intracranial Aneurysms: A Randomised Controlled Trial

Taschner Christian A., Germany

14:45 – 14:55

214

A prospective, multicenter study assessing the embolization of neurovascular lesions using the Penumbra SMART COIL® System: Initial results from the SMART Registry

Spiotta Alejandro M., USA

14:55 – 15:05

215

Extra-soft SMART (PENUMBRA) coils in the endovascular treatment of very small (<3mm) intracranial aneurysms

Padmanabhan Rajeev, UK

15:05 – 15:15

216

Long-term follow-up results of the Penumbra SMART coil in the endovascular treatment of intracranial aneurysms

Stapleton Christopher J, USA

- 15:15 – 15:25 217
Does stent type impact coil embolization outcomes in extended follow-up of small-sized aneurysms (<10mm)?
Lee Jeongjun, *South Korea*
- 15:25 – 15:35 218
Long-term angiographic outcome of stent-assisted coiling compared to non-assisted coiling of intracranial saccular aneurysms
Ozretic David, *Croatia*
- 15:35 – 15:45 219
Atlas stent assisted coiling of unruptured middle cerebral artery aneurysms
Zelenak Kamil, *Slovakia*
- 15:45 – 15:55 220
NeuroForm Atlas stent-assisted coiling of intracranial aneurysms: preliminary results
Boogaarts Hieronymus, *the Netherlands*
- 15:55 – 16:05 221
Initial experience with the ATLAS microstent for the treatment of wide-necked aneurysms
Ulfert Christian, *Germany*
- 16:05 – 16:15 222
Stent Assisted Coiling of Intracranial Aneurysms with the Low-Profile Neuroform Atlas Stent
Cay Ferdi, *Turkey*

Session Room 4, level 5, Wednesday

- 08:30 – 10:45** Symposium for nurses, technicians and radiographers in cooperation with ESMINT (*detailed program see on page*)
- 10:45 – 12:45** Hands on course for nurses, technicians and radiographers in cooperation with ESMINT
- 14:15 – 16:15** **Parallel Abstract Session - Aneurysm clinical: Flow diversion 1.**
Moderators: **Francis Turjman, France**
Alessandra Biondi, France
- 14:15 – 14:25 229
Leo baby stent-assisted coiling in the treatment of challenging aneurysms: experience in 30 consecutive cases
Navarro Fernando, Argentina
- 14:25 – 14:35 230
Long term follow up of widenecked and/or bifurcational aneurysms treated with the Leo Baby stent alone, or combined with loose coil packing
Gál Gyula, Denmark
- 14:35 – 14:45 231
Collateral Circulation Status Predicts Rate of Occlusion and Risk of Clinical Deficit in Branch Vessel Coverage
Stapleton Christopher J, USA
- 14:45 – 14:55 232
Aneurysm expansion can cause clinical deterioration after flow diverter treatment: A retrospective series of 16 intracranial aneurysms
de Korte Antonius Mattheus, the Netherlands
- 14:55 – 15:05 233
The Silk Flow Diverter in the Endovascular Treatment of Intracranial Aneurysms: Results Diversion, a French multicenter, prospective registry
Turjman Francis, France
- 15:05 – 15:15 234
Mid-term Results of the DERIVO Flow Diverter Stent in the Treatment of Cerebral Aneurysms
Akgul Erol, Turkey

- 15:15 – 15:25 235
Single center experience with a new generation flow diverter device (DERIVO Acandis GbmH)
Asteggiano Francesco, *Italy*
- 15:25 – 15:35 236
First experience in Argentina with Derivo flow diverter device, midterm follow up
Navarro Fernando, *Argentina*
- 15:35 – 15:45 237
The DERIVO Trial: a prospective multicentre register study. Clinical and angiographic mid-term results in forty patients
Taschner Christian A., *Germany*
- 15:45 – 15:55 238
Endovascular Treatment of Spontaneous Rupture Intracranial Aneurysms using the Derivo Embolization Device (DED)
Petra Fernando, *Argentina*
- 15:55 – 16:05 239
Flow Diverters in Developing Countries: Endovascular Treatment of Intracranial Aneurysms with FRED. Mid-term Results
Pabon Boris, *Colombia*
- 17:45 – 18:45 Parallel Abstract Session - Aneurysm clinical: Flow diversion 2.**
Moderators: **Laurent Pierot**, *France*
Markus Möhlenbruch, *Germany*
- 17:45 – 17:55 240
Treatment of complex cerebral aneurysms using the FRED flow diverter: experience in a series of 25 aneurysms
Garbugino Silvia L, *Argentina*
- 17:55 – 18:05 241
European Multicenter Study for Evaluation of a Dual layer Flowdiverting Stent for Treatment of wide neck Intracranial Aneurysms: The EuFRED-Study
Killer-Oberpfalzer Monika, *Austria*
- 18:05 – 18:15 242
Aneurysm treatment with FRED and FRED Jr: Results of SAFE (Safety and Efficacy Analysis of Fred Embolic Device in Aneurysm Treatment) Study
Pierot Laurent, *France*

- 18:15 – 18:25 243
COMFORT - Colombian Multicenter Flow-diverter Observational Reconstruction Trial. Local Experience in the Endovascular Treatment of Intracranial Aneurysms with FRED stent
Pabon Boris, *Colombia*
- 18:25 – 18:35 244
Multicenter experience with FRED Jr. Flow Re-Direction Endoluminal Device for Intracranial Aneurysms in Small Arteries
Möhlenbruch Markus A., *Germany*
- 18:35 – 18:45 245
FRED stent for the treatment of intracranial aneurysms
Wong George KC, *Hong Kong*

Thursday, 19th of October: Aneurysms

Plenary Room, level 2

08:30 – 10:00	Parallel abstract session - Aneurysm clinical: coil supporting techniques and miscellaneous Moderators: Sourour Nader , <i>France</i> Pervinder Bhogal , <i>Germany</i>
08:30 – 08:40	246 Up to 18 months DSA Follow up results using Medina® Embolization Device (MED) in the treatment of wide neck intracranial aneurysms Sourour Nader , <i>France</i>
08:40 – 08:50	247 The Medina Embolic Device – clinical experience in 34 aneurysms from a single center Aguilar-Perez Marta , <i>Germany</i>
08:50 – 09:00	248 The efficacy of parent artery occlusion for internal carotid artery with a combination of coil and NBCA Izumi Takashi , <i>Japan</i>
09:00 – 09:10	249 Treatment of wide-necked bifurcation aneurysms with the pCONus1: procedural safety and long-term occlusion stability in 144 aneurysms Aguilar-Perez Marta , <i>Germany</i>
09:10 – 09:20	250 The new pCONus2: initial experience in 15 patients Aguilar-Perez Marta , <i>Germany</i>
09:20 – 09:30	251 Treatment of complex wide-neck MCA aneurysms using pCONUS device - 3 centers experience Miś Marcin M , <i>Poland</i>
09:30 – 09:40	252 Visual outcomes of endovascular and microsurgical treatment for large or giant paraclinoid aneurysms Shimizu Tatsuya , <i>Japan</i>
09:40 – 09:50	253 Occlusion status on magnetic resonance angiography and risk of delayed ischemia after stent-assited coil embolization Kikuchi Takayuki , <i>Japan</i>

- 09:50 – 10:00 254
Outcomes of endovascular treatment for vertebral artery dissection
Nam Taek Min, *South Korea*
- 10:00 – 10:30 *Coffee break*
- 10:30 – 11:15 Plenary session 12. - Aneurysm biology**
Chairperson: **Miklós Marosfői**, *USA*
Moderators: **Todd Abruzzo**, *USA*
Jorge Arturo Santos Franco, *Mexico*
- 10:30 – 10:45 **Mechanisms of aneurysm thrombosis**
Jean-Baptiste Michel, *France*
- 10:45 – 11:00 **Aneurysm wall biology**
Juhana Frösen, *Finland*
- 11:00 – 11:15 **Panel discussion**
- 11:15 – 12:15 Plenary session 13. - Predicting aneurysm treatment results by simulation**
Chairperson: **Zsolt Kulcsár**, *Hungary*
Moderators: **Gábor Janiga**, *Germany*
Akira Ishii, *Japan*
- 11:15 – 11:30 INV28
Flow simulation: is it clinically relevant?
Matthew J. Gounis, *USA*
- 11:30 – 11:45 **Flow simulation: have we learned anything new recently?**
Gábor Závodszy, *Hungary*
- 11:45 – 12:00 INV29
How to validate simulation results
Kristian Valen-Sendstad, *Norway*
- 12:00 – 12:15 **Panel discussion**
- 12:15 – 13:15 Industry symposia**
- 13:15 – 14:15 *Lunch break*

14:15 – 16:00 Plenary Session 14. - Aneurysm: value of different treatment modalities

Chairperson: **James Byrne, UK**
Moderators: **Peter Kim Nelson, USA**
Winston Chong, Australia
Panelists: **Pedro Lylyk, Argentina**

14:15 – 14:20 **How would you do this case? Demonstrative case presentation & audience poll**

14:20 – 14:35 **Shall we plug the whole? (Is aneurysm packing still needed?)**
René Chapot, Germany

14:35 – 15:50 **Shall we fly with the flow?**
Have we improved flow diversion over the past decade? Debate

14:35 – 14:50 **INV30**
Yes
Zsolt Kulcsár, Hungary

14:50 – 15:05 **No**
Tommy Andersson, Sweden

Intrasaccular flow modification: does it work? Debate

15:05 – 15:20 **Yes**
Laurent Pierot, France

15:20 – 15:35 **No**
Christophe Cognard, France

15:35 – 15:45 **Panel discussion and audience polling**

15:45 – 16:00 **Vasospasm: any improvement in the past years?**
Thomas Liebig, Germany

16:00 Adjourn & closing ceremony

Session Room 1, level 2, Thursday

08:30 – 10:00	Parallel abstract session - Aneurysm clinical: WEB
	Moderators: Edoardo Boccardi , <i>Italy</i> Juhana Frösen , <i>Finland</i>
08:30 – 08:40	255 Evaluation of the Safety and Efficacy of Aneurysm Treatment with WEB device in the cumulated population of 3 prospective, multicenter series (WEBCAST, French Observatory, WEBCAST-2) Pierot Laurent , <i>France</i>
08:40 – 08:50	256 Initial experience with the new WEB 17 system in treatment of intracranial aneurysms Peluso Jo , <i>Belgium</i>
08:50 – 09:00	257 WEB Treatment of Ruptured Intracranial Aneurysms: a Single Center Cohort of 100 Patients Peluso Jo , <i>Belgium</i>
09:00 – 09:10	258 Aneurysm Treatment with WEB®: Evaluation of the 21 and 17 Systems in a prospective, single-center series of 38 patients Pierot Laurent , <i>France</i>
09:10 – 09:20	259 WEB Treatment of Unruptured Intracranial Aneurysms: a Single Center Cohort of 54 aneurysms Peluso Jo , <i>Belgium</i>
09:20 – 09:30	260 Endovascular treatment of wide-neck and bifurcation intracranial aneurysms using WEB embolization device - a single center 3 years experience Miś Marcin , <i>Poland</i>
09:30 – 09:40	261 Clinical results of WEB treatment in previously treated intracranial aneurysms Peluso Jo , <i>Belgium</i>
09:40 – 09:50	262 The impact of oversizing on the efficacy of WEB intrasaccular flow disruptors Pogácsás Bettina , <i>Hungary</i>

09:50 – 10:00	263	Parent artery reconstruction for large or giant cerebral aneurysms using Tubridge flow diverters (PARAT): a multicenter, randomized, controlled clinical trial Liu Jianmin, China
10:00 – 10:30		<i>Coffee break</i>
10:30 – 11:15	Plenary session 12. - Aneurysm biology	<i>Live Transmission from Plenary Room</i>
11:15 – 12:15	Plenary session 13. - Predicting aneurysm treatment results by simulation	<i>Live Transmission from Plenary Room</i>
12:15 – 13:15	Industry symposia	<i>Live Transmission from Plenary Room</i>
13:15 – 14:15		<i>Lunch break</i>
14:15 – 16:00	Plenary Session 14. - Aneurysm: value of different treatment modalities	<i>Live Transmission from Plenary Room</i>
16:00	Adjourn & closing ceremony	<i>Live Transmission from Plenary Room</i>

Session Room 2, level 4, Thursday

08:30 – 10:00 Parallel abstract session - Aneurysm clinical: antiplatelet treatment and miscellaneous

Moderators: **Tibor Becske**, *USA*
Michael Söderman, *Sweden*

Special Expert: **Lucie Thibault**, *Canada*

- 08:30 – 08:40 264
Treatment of challenging aneurysms by flow diverter: Summary series of 140 cases at Bach Mai Hospital
Vu Dang Luu, *Vietnam*
- 08:40 – 08:50 265
Can a singular measurement with Verifynow under constant dual antiplatelet regimen categorize patient into a responder type?
Kropp Asuka Elisabeth, *Japan*
- 08:50 – 09:00 266
Intravenous administration of tirofiban versus loading dose of oral clopidogrel for preventing thromboembolism in stent-assisted coiling of intracranial aneurysms
Liang Xiaodong, *China*
- 09:00 – 09:10 267
Low-dose prasugrel is safe and effective for stent-assisted treatment of intracranial aneurysms
Kang Hyun-Seung, *South Korea*
- 09:10 – 09:20 268
Initial response and Long term variation of response to clopidogrel in patients undergoing endovascular treatment
Sato Keisuke, *Japan*
- 09:20 – 09:30 269
Safety and efficacy of antiplatelet response assay and drug adjustment in stent-assisted coil embolization: A propensity score matching analysis
Kim Min Soo, *South Korea*
- 09:30 – 09:40 270
Endovascular Treatment of Posterior Fossa Spontaneous Intracranial Dissecting Aneurysms: Related outcomes of 56 Cases treated by intracranial Stenting or Parent Vessel Occlusion
Petra Fernando, *Argentina*
- 09:40 – 09:50 271
Stents as Adjuncts to Flow Diverters
Ocal Osman, *Turkey*

09:50 – 10:00

272

Development of microporous covered stent for the treatment of intracranial aneurysms (NCVC-CS1): its functional features and commencement of investor-initiated clinical trial

Satow Tetsu, *Japan*

13:15 – 13:45

Poster session

Chairperson: **Maciej Szajner**, *Poland*

Moderator: **Winston Lim**, *Singapore*

PP326

The natural history of unruptured intracranial aneurysms: A retrospective, single center study

Okawara Mai, *Japan*

PP329

Crescent sign following Enterprise stent-assisted embolization of distal internal carotid artery aneurysms

Yeon Je Young, *South Korea*

PP330

Endovascular Treatment of Complex Cerebral Aneurysms with a Branch Incorporated into the Sac

Kim Dae Won, *South Korea*

PP331

Aneurysmal Rupture during Embolization with Guglielmi Detachable Coils: Causes, Management, and Outcome

Hwang Daehyun, *South Korea*

PP332

Balloon Assisted Coil Embolisation with ECLIPSE (BALT) Balloon – Single Centre, Consecutive, Retrospective Series

Padmanabhan Rajeev, *UK*

PP333

Quantitative assessment of cerebral aneurysm wall enhancement using MR imaging

Omodaka Shunsuke, *Japan*

PP334

Central fever in relation to perianeurysmal inflammation following endovascular embolization of intracranial aneurysm: case report

Padolecchia Riccardo, *Italy*

Session Room 3, level 4, Thursday

08:30 – 10:00	Parallel abstract session - Aneurysm clinical: Vasospasm and miscellaneous Moderators: José Mendes Prereira Caldas , <i>Brazil</i> Noboyuki Sakai , <i>Japan</i>
08:30 – 08:40	273 Aneurysms retreatment after over 20 years: the importance of a very long-time follow-up Cirillo Luigi , <i>Italy</i>
08:40 – 08:50	274 Endovascular and Surgical Options for Recurrent Aneurysms after Coil Embolization: A Single Surgeon's Experience in Japan Toyota Shingo , <i>Japan</i>
08:50 – 09:00	275 Flow diverter treatment of intracranial aneurysms and dissections during the acute phase after SAH Henkes Elina , <i>Germany</i>
09:00 – 09:10	276 Flow Diverter Stent Therapy in Acute Ruptured Cerebral Aneurysms Lucas-Neto Lia , <i>Portugal</i>
09:10 – 09:20	277 Double-layer stent for treatment of dissecting carotid artery aneurysm Caldas Jose GMP , <i>Brazil</i>
09:20 – 09:30	278 Significance of posthemorrhagic cerebral vasospasm on clinical outcome in 178 cases from a single center AlMatter Muhammad , <i>Germany</i>
09:30 – 09:40	279 Stent-plasty for Cerebral Vasospasm: A single center experience Bhagal Pervinder , <i>USA</i>
09:40 – 09:50	280 500 mm³ is the critical aneurysm volume determining stability after coil embolization Kang Hyun-Seung , <i>South Korea</i>
09:50 – 10:00	281 Predictive factors of medullary infarction associated with endovascular parent artery occlusion for vertebral artery dissecting aneurysms Aihara Masanori , <i>Japan</i>

Session Room 4, level 5, Thursday

08:30 – 10:00	Parallel abstract session - Aneurysm clinical: Flow diversion 3.
	Moderators: Goel Gaurav, India Yasha Kayan, USA
08:30 – 08:40	282 Endovascular Reconstruction of Intracranial Large / Giant Wide-Neck Aneurysms: Surpass Flow Diverter Early Experience Pabon Boris, Colombia
08:40 – 08:50	283 Surpass Flow diverter: the Greek experience from a single-center study in 25 consecutive patients Mitsos Aristotelis P., Greece
08:50 – 09:00	284 Surpass flow diverter in the treatment of acutely ruptured aneurysms – Indian multicenter experience Goel Gaurav, India
09:00 – 09:10	285 Use of Surpass device together with AXS Catalyst 5 distal access catheter Topcuoglu O.Melih, Turkey
09:10 – 09:20	286 Safety and Efficacy of the Pipeline Embolization Device for Treatment of Posterior Circulation Intracranial Aneurysms Kayan Yasha, USA
09:20 – 09:30	287 Endovascular treatment of large, giant and fusiform aneurysms of posterior circulation with PED Sergey Arustamyan, Russia
09:30 – 09:40	288 Safety and Efficacy of the Pipeline Embolization Device for Treatment of Ruptured Intracranial Aneurysms Kayan Yasha, United States
09:40 – 09:50	289 Yes, we can: Results of a Large Series of Intracranial Aneurysms Treated with Pipeline Flow Diverter Stent in a Developing Country Pabon Boris, Colombia
09:50 – 10:00	290 Safety and Efficacy of the Pipeline Embolization Device for Treatment of Recurrent Intracranial Aneurysms Kayan Yasha, USA

Program of Symposium for Nurses, Technicians and Radiographers in cooperation with ESMINT

Monday, 16th of October

Session Room 4, level 5

08:30 – 13:00 Symposium for nurses, technicians and radiographers in cooperation with ESMINT – 1.

Chairperson: **Adriaan van Es**, *the Netherlands*

Moderators: **Kiffon Keigher**, *USA*
Ake Holmberg, *Sweden*

08:30 – 08:40 **Opening**

08:40 – 09:00 **The role of nurses, radiographers and technicians in the acute stroke era: challenges and expectations**

István Szikora, *Hungary*

09:00 – 09:20 **Stroke workflows—the European and American experience**

Kiffon Keigher, *USA*

09:20 – 09:40 **Organization, method of operation and performance of our thrombectomy procedure**

Sebastian van Dirach, *Denmark*

09:40 – 10:00 **Mechanical thrombectomy: current indications**

Laurent Pierot, *France*

10:00 – 10:20 **Swedish quality register and EVAS**

Åke Holmberg, *Sweden*

10:20 – 11:00 *Coffee break*

11:00 – 13:00 Symposium for nurses, technicians and radiographers in cooperation with ESMINT – 2.

Chairperson: **Adriaan van Es**, *the Netherlands*

Moderators: **Fabienne Menu**, *France*
Sébastien Soize, *France*

11:00 – 11:20 **Endovascular treatment of Ischemic Stroke - What we know and what we don't know**

Wim van der Zwam, *the Netherlands*

- 11:20 – 11:40 **Imaging in Stroke**
Adriaan van Es, *the Netherlands*
- 11:40 – 12:20 **Influence of clot types, speed of retrieval and catheter position on mechanical thrombectomy efficacy: experimental study on a cerebrovascular model**
Fabienne Menu & Sébastien Soize, *France*
- 12:20 – 13:00 **It's all about teamwork**
Tommy Andersson, *Sweden*

Wednesday, 18th of October

Session Room 4, level 5

08:30 – 13:00 Symposium for nurses, technicians and radiographers in cooperation with ESMINT – 3.

Chairperson: **Adriaan van Es**, *the Netherlands*

Moderators: **Ariene Mastebroek**, *the Netherlands*
Helen Genins, *Sweden*

08:30 – 08:40 **Opening**

08:40 – 09:00 **Antiplatelet/anticoagulation use for the aneurysm and stroke patient and reversal of these drugs**

Kiffon Keigher, *USA*

09:00 – 09:20 **Current Treatment Options for Intracranial aneurysms**

Jan-Hendrik Buhk, *Germany*

09:20 – 09:40 **Pre-hospital acute stroke screening and mobile stroke units**

Demetrius Lopes, *USA*

09:40 – 10:00 **Significance and challenges of data collection for acute stroke management**

Ágnes Vadász & Viktória Csike, *Hungary*

10:00 – 10:45 Coffee break

10:45 – 12:45 Hands on course

Moderators: **Johanna Doshé**, *the Netherlands*
Kathryn Jones, *Australia*

Hands on workshop for nurses, technicians and operators provided by Medtronic Neurovascular, Stryker Neurovascular and Neuravi/Codman

This exclusive workshop will provide the participants with an excellent opportunity to gain an experience with stroke and aneurysm treatment as well as to learn about the structure and composition of different clots.



E - POSTERS

ANEURYSM - CLINICAL

P400

Endovascular treatment of intracranial aneurysms in acute stage of SAH. A single centre experience

Aronov Moisey, *Russia*

P401

Follow up after treatment of unruptured large and giant fusiform aneurysms with the pipeline embolization device

Baik Seung Kug, *South Korea*

P402

Flow Diverter: A Study on Safety and Efficacy in a Consecutive Group of 20 Patients and 26 aneurysms

Bolcato Marcelo, *Brazil*

P403

A rare case of BBLA of the pericalosa artery in the FMD. Endovascular treatment with coiling with severe thromboembolic complication and stent retriever thrombectomy: A case report

Cabral de Andrade Guilherme, *Brazil*

P404

Is there still room for stent-assisted coiling? First experience with Neuroform Atlas™ stent with Y stent or parallel stent technique and early follow up

Cavasin Nicola, *Italy*

P405

Agensis of Common Carotid Artery associated with a Recurred Basilar Top Aneurysm

Cho Jaehoon, *South Korea*

P406

Trigeminal neuralgia (TN) caused by intracranial aneurysm treated with endovascular surgery

Choo Yeon-Soo, *South Korea*

P407

Triple-stent therapy for the treatment of vertebral dissecting aneurysms: Efficacy and safety

Chung Yeongu, *South Korea*

P408

Treatment strategy for isolated posterior inferior cerebellar artery dissection

Chung Yeongu, *South Korea*

P409

Geometric classification of paraclinoid aneurysms for selection of microcatheter in coil embolization

Chung Yeongu, *South Korea*

P410

Intra-aneurismal

Comelli Simone, *Italy*

P411

Cobalt chromium based flow diverters in the treatment of acute and symptomatic neurovascular settings

Derakhshani Shahram, *UK*

P412

SURPASS flow diverter inn the treatment of high flow bifurcation aneurysms

Derakhshani Shahram, *UK*

P413

SHIELD: An experience with 5 interesting cases with medical or surgical limitations

Derakhshani Shahram, *UK*

P414

Emergency handling for re-rupture of the intracranial aneurismal subarachnoid hemorrhage cases during intravascular intervention embolization procedure

E Yajun, *China*

P415

Vessel Wall Enhancement in Unruptured Aneurysms using VW-MR technique as a predictor of rupture. A Case Report

Echeverria Martinez Mario Daniel, *Chile*

P416

Initial experiences of Pipeline Flex

Ezura Masayuki, *Japan*

P417

Willis covered stent for treatment of intracranial blood blister like aneurysm: clinical application and preliminary experience

Fang Chun, *China*

P418

Bubble formation on detachment of electrically detachable coils

Fukasaku Kazuaki, *Japan*

P419

Initial and mid-term follow-up results of stent-assisted coil embolization for cerebral aneurysms

Fukumoto Hironori, *Japan*

P420

Case of the endovascular treatment of thrombosed superior cerebellar artery aneurysm following cerebral revascularization

Funatsu Takayuki, *Japan*

P421

Transradial approach for diagnosis and treatment of 50 ruptured cerebral aneurysms. Case series

Goland Javier N., *Argentina*

P422

Treatment Results of Endovascular Coil Embolization for Small Unruptured Intracranial Aneurysms (≥ 5 mm)

Gong Taesik GONG (T.S Gong), *South Korea*

P423

Multiple intracranial aneurysms associated with Behçet's disease

Ha Sang-woo, *South Korea*

P424

Outcome of Endovascular Treatment of Aneurysms in the Anterior Circulation: 5-year Single centre Indian Experience

Hakim Shakir Husain, *India*

P425

Strategy for coiling of wide-necked aneurysm

Harsan Harsan, *Indonesia*

P426

A Case of Turner Syndrome Presenting as Aneurysmal Subarachnoid Hemorrhage

Hwang Sung Kyun, *South Korea*

P427

Flow-diverter stenting of internal cerebral artery mycotic aneurysm: A case report

Imamura Hirotoshi, *Japan*

P428

Endovascular treatment of posterior circulation aneurysm: clinical and angiographic outcomes

Inaba Maki, *Japan*

P429

Stent-assisted coil embolization for bilateral vertebral artery dissecting aneurysms presenting with subarachnoid hemorrhage

Ishikawa Tatsuya, *Japan*

P430

Secondary diameter of 3D coil is a determinant for ideal embolization of a saccular aneurysm

Ito Keisuke, *Japan*

P431

Cerebral aneurysms with incorporated branch

Jang Suk Jung, *South Korea*

P432

Prevention of thromboembolic complications in embolization of unruptured aneurysms: A comparison of patients taking dual anti-platelet therapy and patients taking a combination of single ant

Kanazawa Ryuzaburo, *Japan*

P433

Treatment strategy for posterior cerebral artery aneurysms

Kikuta Yoshichika, *Japan*

P435

Early rebleeding after coiling for ruptured cerebral aneurysm and the value of 3D rotational angiography as a predictor of rebleeding

Kim Byeongjin, *South Korea*

P436

Management for recurred aneurysm due to coil migration following endovascular treatment

Kim Jaehyoo, *South Korea*

P437

Clopidogrel Response Variability in Unruptured Intracranial Aneurysm Patients Treated with Stent-assisted Endovascular Coil Embolization: Is Follow-up Clopidogrel Response Test Necessary?

Kim Min Soo, *South Korea*

P439

Delayed perianeurysmal cyst formation after unruptured intracranial aneurysm coiling: A case report with 10-year follow-up

Kim SoYeon, *South Korea*

P440

Recanalization of small ruptured anterior communicating artery aneurysm treated by endovascular coiling

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