

VAL D'ISERE 2011
JANUARY 16-21

ABC-WIN

Luc PICARD

Serge BRACARD

Georges RODESCH

PROGRAM

N°10

**ABC WIN 2011
Scientific Sessions**

•Sunday 2011. 01.16 - ABC

Morning session 08:30 am - 11:30 am

Afternoon session 04:00 pm – 07.30 pm

Welcome cocktail 07:30 pm

•Monday 2011. 01. 17 - WIN

Morning session 08:00 am - 11:30 am

Afternoon session 04:00 pm - 08:00 pm

•Tuesday 2011. 01.18 - WIN

Morning session 08:00 am - 11:30 am

Afternoon session 04:00 pm - 07:00 pm

Gala Dinner 08:00 pm

•Wednesday 2011. 01. 19 - WIN

Morning session 09:00 am - 11:30 am

Afternoon session 04:00 pm - 08:00 pm

•Thursday 2011. 01.20 - WIN

Morning session 08:00 am - 11:30 am

Afternoon session 03:30 pm - WFITN General Assembly

04:15 pm - 08:00 pm

•Friday 2011. 01. 21 - WIN

Morning session 08:00 am - 11:30 am

Afternoon session 04:00 pm - 07:00 pm

**ABC 2011
Scientific Sessions**

Sunday 2011. 01. 16

Topic of the year: **Cerebral venous system**

Morning session

08:30 am – 11:30 am

**Posterior Fossa Dural Sinuses, Emissary Veins and Jugular Bulb
Developmental Anatomy and Radiology Toshio Okudera (Japan): 45'**

Coffee Break: 09:15 - 09:45

**3D anatomy: vascular anatomy of the petro-tentorial area and falco-tentorial
sinuses: G. Brassier, Ph. Mercier (France): 45'**

**Architectonic Organization of the telencephalic venous system:
A. Valavanis (Switzerland): 60'**

Afternoon session

04:00 pm – 07:30 pm

**Cerebral veins and CSF: physiology and patho-physiology in the paediatric
population: O. Flodmark (Sweden): 45'**

**Cerebral veins: physiology and patho-physiology in the adult population:
K. Terbrugge (Canada): 30'**

Idiopathic Intra Cranial Hypertension O. Levrier (France): 15'

Coffee Break: 17:30 -18:00

**Endovascular treatment of dural sinus thrombosis
R.Van den Berg (Netherlands): 30'**

Cerebral veins: the key of vascular malformations? G Rodesch (France): 30'

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Scientific Sessions

STROKE

Monday – Morning session

Moderators : Tommy ANDERSON – Gerhard SCHROTH

Antiplatelet resistance testing in patients undergoing cerebrovascular stenting.

Johanna T. Fifi (New York – USA)

Current standings of the Proton Pump Inhibitor (PPIs) and Clopidogrel Co-Therapy in I.C. stenting

L. Thibault USA/Canada

Stent thrombosis: Prasugrel or ticagrelor to replace clopidogrel ?

L. Thibault-USA/Canada

Cerebral protection devices do not protect against periprocedural stroke data from the international carotid stenting study.

Andy Clifton (London – United Kingdom)

Safe carotid stenting with proper protection methods by neuroendovascular therapists – Analysis of 6 343 cases on Japanese survey

Shigeru Miyachi (Nagoya – Japan)

Thrombectomy as primary treatment is significantly better than iv/ia thrombolysis

Tommy Andersson (Stockholm – Sweden)

Clinical outcome of endovascular stroke treatment in over 700 patients. The experience from Berne

J. Gralla, H. Mattle, U. Fischer, P. Mordasini, C. Brekenfeld, S. Jung, M. Arnold, G. Schroth (Berne – Switzerland)

Penumbra-system 054: increased aspiration, decreased procedure time – US-SPEED study (53 cases) and Dresden experience (30 cases)

Johannes Gerber, Angela Müller, Kay Engellandt, Tobias Hertle, Rüdiger von Kummer (Dresden – Germany)

Solitaire™ FR revascularization device: a retrospective study as a first line device for acute ischemic stroke

C. Castano, V. Mendes Pereira, Schroth, T. Anderson, A. Bonafe, R. Chapot, J. Gralla (Geneva – Switzerland)

Monday Afternoon session

Moderators : Mario MUTO – Daniel ROY

Solitaire™ revascularization device – New intra-arterial mechanical therapy with high efficacy, safety and fast speed to treatment for acute ischemic stroke.

Carlos Castano, Laura Dorado, A. Aleu, R. Garcia, Antoni Davalos (Barcelona – Spain)

Mechanical thrombectomy with the solitaire AB device in large artery occlusions of the anterior circulation : a pilot study.

Carlos Castano, Laura Dorado, Cristina Guerrero, Monica Millan, Meritxell Gomis, Natalia Perez de la Ossa, Mar Castellanos, M. Rosa Garcia, Sira Domenech, Antoni Davalos (Barcelona – Spain)

Thrombectomy with Solitaire in 100 patients

René Chapot, P. Stracke, W. Kurre (Essen, Germany)

Combined mechanical thrombectomy with the So-Numbra : complementary efficiency of Solitaire and Penumbra systems

Zoltan Szatmary, Frederico DiMaria, Jacques Chiras (Paris – France)

Histological comparison of mind frame IRIS & OptiCell versus ev3 solitaire vessel challenge in a swine model.

Imran Chaudry (Charleston – USA)

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Karolinska experience with Mindframe stroke treatment devices - IRIIS and Opticell
Michael Söderman, Tommy Andersson, Staffan Holmin, Åsa Kuntze Söderqvist (Stockholm – Sweden)

Mechanical thrombectomy of acute basilar occlusion- a model for the anterior circulation?
R. Siekmann, A Mielke, C. Roth, A Ferbert (Kassel, Germany)

One year single center experience with Trevo stent retriever system : Efficacy and security of the device.
Juan Macho, Jordi Blasco, L. SanRoman, A. Tomasello, A. Lopez (Barcelona – Spain)

Is there a place for Merci retriever in a stent retriever world ? Case presentation
Juan Macho, Jordi. Blasco, L. SanRoman, A. Tomasello, A. Lopez (Barcelona – Spain)

Protocol modifications and results after one year including stent retriever devices in the daily practice of a comprehensive stroke center.
Juan Macho, Jordi Blasco, L. SanRoman, A. Tomasello, A. Lopez (Barcelona – Spain)

The NT wire : initial experience in porcine model
Stanley I. Barnwell (Conshohocken – USA)

Endovascular treatment in acute ischemic stroke due to tandem occlusion
P Machi, K Lobotesis, A Bonafé (Montpellier, France)

Presentation of the multicenter randomized clinical trial of endovascular treatment of acute ischemic stroke in the Netherlands (MR CLEAN).
Diederik WJ Dippel, Yvo B Roos, Charles Majoie, Aad van der Lugt, Robert van Stenbrugge, Wim van Zwam (Amsterdam, Rotterdam, Maastricht (The Netherlands))

Unusual case of MCA occlusion after radial artery cardiac intervention.
Tommy Andersson (Stockholm – Sweden)

Recanalization of atherosclerotic subacute intracranial artery by stenting
Dae-Chul Suh (Seoul , Korea)

CFD of M1 stenosis before and after stenting
Dae-Chul Suh (Seoul , Korea)

When to intervene in acute carotid dissection?
A.Krajina, V. Chovanec, M. Lojik, D. Krajickova (Hradec Kralov – Czech Republic)

Tuesday – Morning session

Moderators: Mats CRONQVIST – Shigeru MIYACHI

A comparison of two stroke devices : the new Acandis clot removal device and the EV3 Solitaire AB.
Wolfgang Reith, C. Roth, D. Junk, H. Körner, W. Mailänder, F. Nagl, A. Keuler, M. Schumacher (Homburg-Saar, Freiburg, Pforzheim – Germany)

CAS in acute stroke.
C. Roth, P. Papanagiotou, W. Reith (Homburg – Germany)

Feasibility cerebral blood volume and parenchymal imaging by flat detector computed tomography in comparison to multislice CT in acute stroke patients : first experience
Tobias Struffert, Yu Deuerling-Zheng, Tobias Engelhorn, Stephan Kloska, Philipp Göllitz, Martin Köhrmann, Charles M. Strother, Arnd Doerfler (Erlangen – Germany ; Madison – USA)

Flat-detector computed tomography in the assessment of intracranial stents : comparison to multislice CT and conventional angiography in a new animal model.
Tobias Struffert, Sabine Ott, Edyta Adamek, Marc Schwarz, Tobias Engelhorn, Stephan Kloska, Yu Deuerling-Zheng, Arnd Doerfler (Erlangen, Forchheim – Germany)

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Unexpected cause of stroke
Mats Cronqvist (Lund – Sweden)

Flat-Detector CT to visualise the lumen of intracranial stents : first results in patients with an optimized protocol.
Tobias Struffert, Stephan Kloska, Tobias Engelhorn, Yu Deuerling-Zheng, Sabine Ott, Marc Doelken, Marc Saake, Arnd Doerfler (Erlangen, Forchheim – Germany)

Some notes on VasoCT in the assessment of intracranial stents
Michael Söderman, Ruben Roijers, Ruud Snoeren, Charlotta Palmgren, Shahla Mobini Kesheh, Tommy Andersson, Staffan Holmin,, Åsa Kuntze Söderqvist, Drazenko Babic (Stockholm – Sweden)

BRAIN AVMs

Endovascular complications of BAVM's treatment
Mats Cronqvist (Lund – Sweden)

What is congenital ? Birth of an AVM
Eduardo Boccardi (Milano - Italy)

Tuesday – Afternoon session
Moderator: Jacques Dion, Isil Saatci

Bleeding after C-AVM embolization with Onyx: 2 cases, 2 different angiographic demonstrated causes.
P. Vanlangenhove, K. De Keukeleire, L. Defreyne (Gent-Belgium)

How to retrieve attached catheter tip during embolization of cerebral AVMs using Onyx
Akio Hyodo, K Suzuki, Y Tanaka, K Uchida, I Takano, K Kohata, K iwata, R Suzuki (koshigaya, Saitama, Japan)

TEAM & ARUBA : the lessons of failure
Emmanuel Houdart (Paris – France)

Targeted embolization of intranidal lesions in ruptured and unruptured AVM's. When and why I use NBCA or Onyx.
Patrick Brouwer (Leiden, The Netherlands)

Endovascular treatment of high flow arteriovenous cerebral fistulas using Berenstein hydroflow. Preliminary experience.
F. Turjman, S. Julia, L. Manera, R. Zeroual, L. Valerio (Lyon – France)

Acute embolization of ruptured brain AVM's
Andrew B. Stemer, William O. Bank, Randy S. Bell, Roco A. Amonda, Ai-Hsi Liu (Washington – USA)

Selective embolization of a pseudo-aneurysm in a ruptured deep CAVM : the role of fusion of 3D-angio and NMR images
P. Vanlangenhove, K. De Keukeleire, L. Defreyne (Gent, Belgium)

4D-CTA in the work up of BAVMs
P. Willems, P;Taashineetanakul, B. Schenk, P.A. Brouwer, K. terBrugge, T. Krings (Toronto, Canada)

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Scientific Sessions

Wednesday Morning session

Moderators: Guilherme Caldas, Pierre Y Gobin

Endovascular treatment of vein of Galen malformations in the neonatal period

A Berenstein, J Fifi, W Molofsky, Y Niimi, R Ortiz, M Madrid, M Sorscher, S Presti, S Ghatan (New York – USA)

Outcomes of modern endovascular treatment of vein of Galen malformations.

Alex Berenstein, Yasunari Niimi, Walter Molofsky, Joana Fifi, Rafael Ortiz, Sal Presti, Saadi Ghatan, Mary Madrid, Michelle Sorscher (New York – USA)

Results of VGAM treatment in Glasgow 2000-2010

JJ Bhattacharya, S Jenkins, AM Heuchan (Glasgow)

Venous approach in the endovascular treatment of cerebral AV malformations: about 5 consecutive cases

Charbel Mounayer, Maria Ruggiero, Monica Mauisor, Maher Al- Klausaldehy, Roberto Riva (Limoges, France)

Round table: Brain AVMs: venous approaches

Moderators: In Sup Choi (USA) – Karel TerBrugge (Canada):

DURAL AV FISTULAS

Intracranial dural arteriovenous fistula with cortical drainage, curative trans-arterial treatment with Onyx : a series of 16 patients.

Maimon Shimon, Nossek Erez, Frolov Vladimir, Ram Zvi (Tel Aviv – Israel)

Making a dural AV fistula more aggressive

Willems PWA, Koot RW, Brouwer PA (Leiden – The Netherlands)

Pial Arterial Supply to DAVS

Michael Söderman, Tommy Andersson, Staffan Holmin, Åsa Kuntze Söderqvist, Georges Rodesch (Stockholm – Sweden)

Dural AVF at the superior sagittal sinus treated with trans-arterial plug and push injection of NBCA

Arihito Tsurumi, Makoto Negoro (Nagoya – Japan)

Wednesday – Afternoon session

Moderators: Götz Benndorf – Sirintara Pongpech

A case of complication of transvenous embolization of a dural fistula

Emmanuel Houdart (Paris – France)

Clinical features and treatment of intracranial dural AVM.

Anil Karapurkar, Aditya Nishant Kumar, Rakesh Singh, Manish Shrivastava (Mumbai – India)

Dural AVF after thrombolysis of venous sinuses

Anil Karapurkar, Aditya Nishant Kumar, Rakesh Singh, Manish Shrivastava (Mumbai – India)

Special Technique for embolization of dural AV fistulas

Luis Lopez Ibor (Spain)

De Novo DAVF related to the venous sinus angioplasty with stents?

Hong-Qi Zhang (Beijing – China)

Venous remodelling in sinus dural fistulae: experience in 55 patients

René Chapot (Essen, Germany)

Unusual cavernous sinus drainage in CCF mimicking ICA dissection

G Benndorf (Houston, USA)

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Scientific Sessions

ANEURYSMS

The computational flow dynamic analysis of ruptured aneurysms and unruptured aneurysms: clinical observations.
Waro Taki, Yasuyuki Umeda, Fujimaro Ishida, Youichi Miura (Mie – Japan)

Intra-aneurismal flow dynamics during embolization.
Makoto Negoro, Kazuaki Fukasaku (Nagoya, Tokyo – Japan)

Can we predict the rupture of cerebral aneurysm? – Pulsation and bleb formation
Makoto Negoro, K. Irie, M. Hayakawa, A. Sadato (Nagoya – Japan)

Bridging the gap between medicine and engineering : patient-specific modelling of blood-flow in cerebral aneurysms.

Daniel Zajarias-Fainsod, Alexis Turjman, Alejandro Berenstein (New York, Mexico)

Angiographic assessment in flow diversion
M. Mawad, D.L. Jou (Houston - USA)

A new generation of flow-disruption device for endovascular treatment of intracranial aneurysms. Preliminary clinical and angiographic results of a multicenter feasibility study.

Joost de Vries, Pedro Lylyk, Ajay K. Wakhloo, Marius Hartman, Ruediger von Kummer, Martin Schumacher (Worcester – USA)

Buenos Aires initial experience with Surpass Flow Diverter

J. Lundquist; C. Bleise Th; E. Scrivano ; A. Ferrario; R. Ceratto ; R. Nella, P. Lylyk. (Buenos Aires – Argentina)

Thursday – Morning session

Moderators : Civan Islac - Istvan Szikora

Results and problems with flow diversion: a single center experience
I.Szikora, Zs Berentei, M. Marosfoi, I. Gubucz (Budapest – Hungary)

Hemorrhagic complications of flow diverter treatment : incidence and potential explanations in a single center experience.

I.Szikora, A. Ugron, M. Marosfoi, Gy.Paal (Budapest – Hungary)

Haemorrhage after flow diverter treatment in large aneurysm
Mats Cronqvist (Lund – Sweden)

First post pipeline bleed (late) of Hacettepe experience including more than 150 aneurysms.
Saateci, K. Yavuz, S. Geyik, S. Cekirge, (Ankara – Turkey)

Early, fatal bleeding following treatment with the Pipeline system □
Helmuts Kidikas. (Riga – Latvia)

Pipeline flow diverter for intracranial aneurysms and dissections
Hans Henkes, Sebastian Fischer, Zsolt Vajda (Germany)

A possible way to avoid bleeding complications following treatment with flow diverters. Early experiences with a covered stent. □

Gyula Gál, (Odense – Denmark)

Enhancing brain lesions after treatment of aneurysm with a silk stent.
Ronit Agid (Toronto – Canada)

Flow diverters and the lessons learned from being a proctor .
Patrick A. Brouwer (Leiden – The Netherlands)

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3 years follow-up with flow diverters in 120 patients
René Chapot, P. Stracke (Essen - Germany)

Hemodynamic analysis of flow diverter treated supraclinoid aneurysms, with clinical follow up : why do some aneurysms occlude and others not ?
Z. Kulcsar (Zurich – Switzerland)

Angiographic and histopathologic results of a new endoluminal flow-diverter for the treatment of intracranial aneurysms after 6 weeks and 3 months in an animal model.
G. Roth, S. Käferlein, R.W. Reith (Homburg – Germany)

A flow diverting stent is not a pressure diverting stent
René van den Berg, Joppe Schneiders, Ed van Bavel, Charles Majoie (Amsterdam, the Netherlands)

Cerecyte coil trial : procedural outcomes and clinical safety in patients with ruptured and unruptured intracranial aneurysms.
Stuart Coley, Mary Sneade, Ziyah Mehta, Andrew Molyneux (Sheffield, Oxford – United Kingdom)

Thursday – Afternoon session **James Byrne – Andrew Molyneux**

Automatic coil insertion system –with the aid of the sensor to evaluate the insertion stress-
Shigeru Miyachi (Nagoya – Japan)

The WEB aneurysm embolization device: design evolution and pre-clinical testing.
Charles M. Strother, Jingfeng Jiang, Kari A. Pulfer, Dan Consigny (Madison – USA)

The WEB – an intraneurysmal flow diverter – new animal data and clinical experience.
Monika Killer - Oberpfälzer, Laurenz Weitgasser, Thomas Hauser, Anna Wallner, Eugen Trinkka (Salzburg - Austria)

WEB intrasaccular flow-diverter device for endovascular treatment of intracranial aneurysms: preliminary clinical experience
Boris Lubicz, Benjamin Mine, Olivier De Witte, Denis Brisbois, (Brussels, Belgium)

Early experiences with a novel aneurysm occlusion device, the LUNA □
Gyula Gál, Odense, Denmark, Karlis Kupc, (Riga, Latvia)

Linear stent-assisted coiling: another way to treat very wide-necked intracranial aneurysms
Boris Lubicz (Brussels – Belgium)

Penumbra coil 400™ for treatment of large aneurysms: preliminary results.
Tobias Struffert, A. Bose, A. Doerfler, R. Siekmann, S. Mangiafico, C. Di Paola, M. Bergui, A. Lunghi, M. Isalberti, A. Perez-Higueras, L. Lopez-Ibor, A. Gil, A. Casasco, L. Guimaraes, I. Wanke, D. Rüfenacht, S. Wetzel. Z. Kulcsar. A. Gholkar, A. Thomas, H. Nahser, S. Halin, P.W.A. Willems (Erlangen – Germany)

Stent assisted coil embolization of unruptured anterior communicating artery aneurysms
Jeremy Fleuds, Stanley Barnwell (Portland, USA)

Superselective indocyanin green angiography for selective revascularization in the management of peripheral cerebral aneurysms
A Gruber, C Dorfer, G Bavinzski, H Standhardt, Heber Ferraz-Leite, Engelbert Knosp (Vienna – Austria)

Experimental and clinical application of a novel self-expanding stent for stent assisted aneurysm treatment
C Taschner, A Keuler, C Deniffel, H Boll, K Förster, F Nagl, W Mailander, M Schumacher (Freiburg, Germany)

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GREAT - a randomized aneurysm Trial
C Taschner, R Chapot, A Bonafé (Freiburg-Essen-Montpellier)

Microvention Ventricular Enlargement study – Post-coiling hydrocephalus and meningitis
Raymond Turner, Karel TerBrugge, Leo deCosta (USA – Canada)

Is there a place left for Onyx in Aneurysms ?
René Chapot (Germany)

The utility of the “remodelling” technique for the successful treatment of aneurysmal rupture during embolization.
C. Castano (Barcelona – Spain)

“Water-hammer” effect of partial treated large basilar aneurysm.
Hong-Qi Zhang (Beijing – China)

Short tales of two interesting aneurysms.
K. Yavuz, S. Geyik, I. Saatci, S. Cekirge (Ankara – Turkey)

Very small ruptured aneurysms of the basilar artery, indications for flow-diverters, surgical or conservative treatment?
Geert Lycklama a Nijeholt, Bas an der Kallen, Peter Willems, Patrick Brouwer (Leiden, Rotterdam, The Hague – The Netherlands)

Silk flow diverter in a ruptured blister-like aneurysm in a young woman
P Brouwer, J Silvaggio, D Iancu (Leiden, Rotterdam, The Hague – the Netherlands ; Winnipeg, Manitoba – Canada)

What’s the best solution for blister aneurysms in supraclinoidal ICA ?
Hong-Qi Zhang (Beijing – China)

Friday – Morning session **Moderators: Allan Taylor –Eduardo Boccardi**

Treatment of dissecting distal MCA aneurysm with a flow-diverter
P. Vanlangenhove, K. De Keukeleire, L. Defreyne (Gent-Belgium)

Treatment of ruptured dissecting V4 vertebral aneurysm with contralateral vasospasm
P. Vanlangenhove, K. De Keukeleire, L. Defreyne (Gent, Belgium)

Unusual anterior cerebral artery aneurysms
Anil Karapurkar, Aditya Nishant Kumar, Rakesh Singh (Mumbai – India)

Endovascular treatment of a complex Acom aneurysm with Neuron 6F 70 compliant guiding catheter : Technical note.
Zoltan Szatmary, Frederico DiMaria, Jacques Chiras (Paris – France)

Epilepsy after subarachnoid haemorrhage: the frequency of seizures after clipping or coiling of a ruptured cerebral aneurysm. Results from the international subarachnoid aneurysm trial.
Y Hart, M Sneade, J Birks, J Rischmiller, R Kerr, A Molyneux (Oxford – United Kingdom)

Microembolic signal monitoring after coiling of unruptured cerebral aneurysms. An analysis of 123 consecutive cases.
Gerrit Alexander Schubert, C Thomé, M Seiz, C Douville, J Eskridge (Insbruck – Austria ; Seattle – USA)

Long term angiography and clinical outcome of dual stent assisted coiling in complex bifurcation aneurysms.
S. Geyik, K. Yavuz, I. Saatci, DS. Cekirge (Ankara – Turkey)

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Scientific Sessions

cPAX polymer strands for the treatment of experimental aneurysms in-vitro and in-vivo.
J. Gralla, PK. Mordasini, M. Reinert, AK Jetzer, G. Schroth (Berne – Switzerland)

3D roadmapping for aneurysm embolization, how useful?
Y.Pierre Gobin (New York – USA)

Single center experience of surgical and endovascular treatment of ruptured intracranial aneurysms.
Elisabeth G Klompenhouwer, Jim T, A Dings, Robert J van Oostenbrugge, Stanley Oei, Jan T Wilmink, Wim H van Zwam (Maastricht – The Netherlands)

SPINE and SPINAL CORD

A tricky case of cervical epidural arterio-venous fistula
Emmanuel Houdart (Paris-France)

Rapid spontaneous thrombosis of nidal aneurysms in spinal cord arteriovenous malformation. Case report
Kittisak Unsrisonng, Kanokpom Oranratchanai, Sirintara Pongpech (Bangkok – Thailand)

SAH from a radiculopial artery aneurysm
Willems PWA, Voormolen JHC, Brouwer PA (Leiden – The Netherlands)

Multiple hole high flow AV fistula of the spinal cord in a child.
Anil Karapurkar, Aditya Nishant Kumar, Rakesh Singh (Mumbai – India)

Case report of unusual spinal fistula
René Chapot, S. Macht (Germany)

MISCELLANEOUS – TUMORS – ENT

Friday – Afternoon session

Moderators : Roni Agid – Michaël Soderman

Live case demonstrations : patient safety, ethics, consent and conflicts
Dave Kallmes, Harry Cloft, Waleed Brinjiki, Ingrid Burger, Andrew Molyneux (Toronto, Oxford – Canada – United Kingdom)

What are my practical implications of Ethics in INR?
Emmanuel Houdart (Paris – France)

Symptomatic developmental venous anomalies
Allan Taylor, David LeFeuvre (Cape Town, South Africa)

What's behind the picture? : a case of developmental venous anomaly presenting with hemiparesis.
Rie Onoda, Kittipong Srivatanakul (Chiba – Japan)

Is there any significance of thrombus maceration or dislodgement in dural sinus thrombosis using Merci device?
Krajina, M. Lojik, D. Krajickova (Kralov – Czech Republic)

New anticoagulants :Dabigatran and Rivaroxaban. An alternative to warfarin?
L. Thibault USA/Canada

Hyperdensity after intracranial procedure: is it haemorrhage or contrast effusion.
Anil Karapurkar, Sharad Ghatge, Aditya Nishant Kumar, Rakesh Singh (Mumbai – India)

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Percutaneous treatment of facial venous malformations: a matched comparison of alcohol and bleomycin sclerotherapy.

Ronit Agit, Jessica Spence, Timo Krings, Karel G. TerBrugge (Toronto – Canada)

Transvenous Embolization of facial AVMs

Thomas E Mayer (Jena, Germany)

Preoperative embolization with alcohol, a craniofacial venous malformation in a patient with “Blue Rubber Bled Nevus Syndrome”.

Carlos Castano, E. Baselga, S. Lopez (Barcelona – Spain)

Endovascular treatment of cranio-cervical vascular trauma.

D Le Feuvre, AG Taylor, P. Ssenyonga (Cap Town – South Africa)

Intra-arterial chemotherapy (chemosurgery) for retinoblastoma : 4-year experience update.

Y.Pierre Gobin (New York – USA)

Embolization of meningiomas with Onyx

René Chapot, Alan O’Hare, P. Stracke (Germany)

Ethics, Morality and Law

Emmanuel Houdart (Paris – France)