OCTOBER 14-16th 2018

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AVM 2018
4th World Congress
MONTREAL, October 14-16

FINAL PROGRAMME

Centre Mont-Royal
2200 Mansfield Street
Montreal, Quebec, H3A 3R8
www.avm2018.org
YOUR PARTNER IN AVM TREATMENT

THE ADVANTAGE OF TIME.
THE POWER OF CONTROL.

Visit us at our booth

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Following Edinburgh (2012), Nancy (2014) and Napa (2016), the 4th world congress on brain AVMs will now be held in Montreal, Quebec, CANADA, on October 14-16th 2018.

Just a few days away from the AVM meeting in Montreal, we, the Organizing Committee, are frantically fine-tuning last minute details and cheerfully anticipating your coming to Montreal, October 14th-16th 2018. This meeting is above all a gathering of people, hearts and brains passionately involved in CNS vascular malformations.

Central features of this year’s meeting include:
- The venous route to brain AVMs
- How did it all start, and where are we going?
- Advanced imaging in the clinical management of AVMs
- Spinal cord and posterior fossa AVMs
- Complications, Clinical research and the Future

More than 100 abstracts from all over the world will be presented as oral or poster presentations. Morbidity/mortality sessions, breakfast anatomy seminars, lunch seminars, mini-symposia, debates and special events will complete a scientific program gathering world-recognized CNS AVM experts.

We thank the hundreds of persons that are making this meeting a memorable event.

Montreal is a special place for networking with peers, meeting old friends and for making new ones. It is particularly lovely in October when trees flower before the difficult winter months. Why not take a few more days to enjoy the beauty of nature?

You are all welcome to share with us beauty, friendship and eagerness to explore and learn together!

The Organizing Committee

Organizing committee
Jean RAYMOND, Canada
Daniel ROY, Canada

Local committee
Michel BOJANOWSKI, Canada
Chiraz CHAALALA, Canada
Dana IANCU, Canada
David MATHIEU, Canada
David ROBERGE, Canada
Christian STAPF, Canada
Alain WEILL, Canada

International committee
Alejandro BERENSTEIN, USA
Serge BRACARD, France
Tim DARSAUT, Canada
Jean-Christophe GENTRIC, France
Emmanuel HOUDART, France
Ling FENG, China
Michael LAWTON, USA
Elsa MAGRO, France
David M. PELZ, Canada
Georges RODESCH, France
Gary STEINBERG, USA

Industry sponsored sessions

Monday October 15, 2018

10:00-10:30 4D Angiography Revolution in Cerebrospinal Malformations
Saruhan CEKIRGE, TURKEY

11:00-11:30 Technical and clinical highlights on PHIL liquid Embolic
Moderator: Mats CRONOVIST, SWEDEN
PHIL Technology At Glance - Presented by MicroVention, Inc.
PHIL DAVF Study - Anne-Christine JANUEL, FRANCE
PHIL AVM Study - Markus HOLTMANNSPÖTTER, DENMARK

Tuesday October 16, 2018

09:30-10:00 SQUID liquid embolic review, French experience
Cerebral AVM treatment with Squid liquid embolic: Preliminary French experience
Jean-Christophe GENTRIC, FRANCE
Squid 12: Lower-viscosity non-adhesive embolic agents for cerebral AVM treatment
Raphaël BLANC, FRANCE
Sunday October 14, 2018

CING MEETING
Salon International 1&2
08:00-13:00 The Canadian Interventional neuro-group welcomes all meeting participants to bring AVM cases for small group discussions

08:00-09:00 Breakfast in conference room
09:00-10:00 Case presentations (AVM cases)
10:15-10:30 Coffee Break
10:30-12:00 Case presentations (AVM cases)
12:00-13:00 Lunch

AVM CONGRESS OPENING
Hall Symposia
11:00 AVM Registration

WELCOMING TALK
Théâtre Symposia
13:00-13:05 Jean RAYMOND, CANADA

PLENARY SESSION
Théâtre Symposia
13:05-13:35 Brain AVMs
Moderators: Serge BRACARD, FRANCE
Gary STEINBERG, USA

13:05-13:15 Developmental biology and genetic basis of AVM of the brain - Ivan RADOVANOVIC, CANADA
Su HUA, USA
13:25-13:35 Is the AVM truly an AVM?
Alejandro BERENSTEIN, USA

FREE PAPERS
Théâtre Symposia
13:35-14:45 Unruptured brain AVMs
Moderators: Alejandro BERENSTEIN, USA
Thanh NGUYEN, USA

13:35-13:43 O-01 Stereotactic radiosurgery as first-line treatment for non-hemorrhagic arteriovenous malformations in the pre-ARUBA era
Nicolas REYNS, FRANCE
13:45-13:53 O-02 Treatment Patterns of Arteriovenous malformations before and after ARUBA
Karen CHEN, USA
13:55-14:03 O-03 Outcomes Associated with Treatment of Unruptured Cerebral Arteriovenous Malformations - Juan TEJADA, USA
14:05-14:13 O-04 Multi-modal Brain AVM Treatment: A 12 Year Experience and Comparison of Key Outcomes to the ARUBA Trial
James RABINOV, USA
14:15-14:23 O-05 Long-Term Outcomes in Unruptured Brain Arteriovenous Malformation Patients: the Multicenter Arteriovenous Malformation Research Study (MARS) - Helen KIM, USA
14:25-14:35 What should patients know about unruptured brain AVMs - Emmanuel HOUDART, FRANCE
14:35-14:45 Round table discussion

WORKSHOP
Théâtre Symposia
14:45-15:45 The venous route to AVM’s
Moderators: Hongqi ZHANG, CHINA
Daniela VANCU, CANADA

Speakers: René CHAPOT, GERMANY
Charbel MOUNAYER, FRANCE

14:45-14:55 Primary venous or arterial reduction first?
14:55-15:05 “Porcelain vein” or venous occlusion first?
15:05-15:15 Single or multiple veins?
15:15-15:23 O-06 How safe and effective is the retrograde venous approach for the treatment of brain AVMs?
Michel PIOTIN, FRANCE

15:23-15:45 Round table on Venous route
René CHAPOT, GERMANY - Charbel MOUNAYER, FRANCE - Edoardo BOCCARDI, ITALY - Michel BOJANOWSKI, CANADA - Sanuhan CEKIRGE, TURKEY - Michael LAWTON, USA - Vitor MENDES PEREIRA, CANADA - Michel PIOTIN, FRANCE

COFFEE BREAK
Foyers Cartier & International
15:45-16:15 Meet the industry

GRAND CONFERENCE
Théâtre Symposia
16:15-16:45 To see or not to see the brain is the question!
Introduction - Alain WEILL, CANADA
Sylvie Chokron, FRANCE

PLENARY SESSION
Théâtre Symposia
16:45-17:45 Dodi-Morbidity-Dodi-Mortality rounds
Animators: Edoardo BOCCARDI, ITALY
Anne-Christine JANUEL, FRANCE

17:45-18:45 How did it all start? Where are we going?

18:45-19:45 A Welcome Cocktail and Special Event with Chuck Kerber, Luc Picard, Steve Lowmie, Jacques Dion and so many others
Monday October 15, 2018

**NEUROSURGICAL ANATOMY**  
Salon Cartier 1&2  
07:30-08:30  
Breakfast Anatomy Refresher
Course: Spinal cord AVM’s  
Animators: Robert SPETZLER, USA  
Tim DARSAUT, CANADA

**NEUROVASCULAR ANATOMY**  
Salon International 1&2  
07:30-08:30  
Breakfast Anatomy Refresher
Course: Spinal cord AVM’s  
Animator: Georges RODESCH, FRANCE

**PLENARY SESSION**  
Théâtre Symposia  
08:45-10:00  
Advanced Imaging In Brain AVMs  
Moderators: Gary Redekop, CANADA  
François GUILBERT, CANADA

08:45-08:53  
Inflammation imaging in brain AVMs  
Charles C. MATOUK, USA

08:55-09:03  
MR Imaging in CNS AVMs: A user’s opinions  
Emmanuel HOUDART, FRANCE

09:05-09:13  
4D-CTA in CNS AVMs  
Arun CHANDRAN, UNITED KINGDOM

09:15-09:23  
Inter-observer reliability of 4D-DSA  
Jean-Christophe GENTRIC, FRANCE

09:25-09:33  
Optimal imaging per-embolization  
Raphaël BLANC, FRANCE

09:35-09:43  
Optimal timing and imaging modality in ruptured AVMs  
Vitor MENDES PEREIRA, CANADA

09:45-10:00  
Round Table on imaging problems in the diagnosis and treatment of brain AVMs

**INDUSTRY SPONSORED SESSION**  
Théâtre Symposia  
10:00-10:30  
Programme see details page 3

**COFFEE BREAK**  
Foyers Cartier & International  
10:30-11:00  
Meet the industry

**INDUSTRY SPONSORED SESSION**  
Salon International 1&2  
11:00-11:30  
Programme see details page 3

**LUNCH**  
Exhibition Area  
11:30  
Lunch will be served on the Exhibition Area. We invite you to enjoy your meal during the free papers sessions.

**FREE PAPERS**  
Salon Cartier 1  
12:15-13:30  
Lunch & learn seminars: Imaging  
Moderators: Daniel ROY, CANADA  
Charles C. MATOUK, USA

12:15-12:20  
0-19 Interval angioarchitecture evolution of bAVM following rupture  
Stephanie LENCK, FRANCE

12:21-12:26  
0-20 The value of consecutive diagnostic angiography in patients with hemorrhagic brain arteriovenous malformations: A cohort study - David BERVINI, SWITZERLAND

12:28-12:33  
0-21 A proposed classification for assessing rupture risk in patient with intracranial arteriovenous malformations  
Felipe PADILLA, MEXICO

12:35-12:40  
0-22 Features Predictive of Brain Arteriovenous Malformation Hemorrhage: The Relationship between Number of Draining Veins, Venous Outflow Stenosis, and Venous Collaterals - Daniel SAHLEIN, USA

12:42-12:47  
0-23 Time to Peak on Digital Subtraction Angiography as a Risk Factor for Hemorrhage in Patients with Untreated Brain Arteriovenous Malformation - Huang ZHENG, CHINA

12:49-12:54  
0-24 Cerebellopontine Angle Cistern/ Cerebellar Peduncle Arteriovenous Malformations: A Case Series  
Horia MARIN, USA

12:56-13:01  
0-25 Posterior Fossa AVM. What can we understand from the venous drainage  
Maria A DE MIQUEL, SPAIN

13:03-13:08  
0-26 Redefining partial targeted embolization of ruptured cerebral AVMs: Identification of site of rupture with high-resolution MR vessel wall imaging - Branden CORD, USA

13:10-13:15  
0-27 3T PET-MRI evaluation of unruptured brain AVM’s: preliminary results  
Giacomo CESTER, ITALY

13:17-13:22  
0-28 Spinal dural AV fistula: CT/CTA, MRI/MRA and DSA evaluation - Wen-Hsien CHEN, TAIWAN

13:24-13:29  
0-29 Role of 4D angiography in understanding the angio-architecture of AVMs for venous approach - Suzana SALEME, FRANCE
### Monday October 15, 2018

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<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
<th>Details</th>
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</table>
| 12:15-13:30| Lunch & learn seminars: Pediatrics           | Salon Cartier 2  | Moderators: Alain WEILL, CANADA Alejandro BERENSTEIN, USA  
12:15-12:20 | O-30 Current Treatment of Pediatric Arteriovenous Malformations: Multimodality management with embolization, microsurgery, and radiosurgery - Saadi GHATAN, USA |                |
| 12:15-13:30| Lunch & learn seminars: Surgery/Radiation    | Salon International 1&2 | Moderators: David ROBERGE, CANADA Chiraz CHAALALA, CANADA  
12:15-12:20 | O-07 Driving after surgical repair of brain arteriovenous malformations; when should restrictions be recommended? - Joan Margaret O’DONNELL, AUSTRALIA |                |
| 12:12-12:27| O-36 Safety and outcome of combined endovascular and surgical management of low-grade cerebral Arteriovenous Malformations versus surgery alone in pediatric patients - Michael HURLEY, USA |                |
| 12:12-12:27| O-37 Embryologic Vascular Development: towards a better AVM understanding - Maria A. DE MIQUEL, SPAIN |                |
| 12:12-12:27| O-38 Embryologic Vascular Development: towards a better AVM understanding - Maria A. DE MIQUEL, SPAIN |                |
| 12:36-12:41| O-33 Pediatric AVM treated with histoacryl glue embolization. Our experience - Elisa CICERI, ITALY |                |
| 12:48-13:00| O-34 Endovascular embolization for Vein of Galen malformation. Series of 46 patients. Methods, outcomes and complications - Dmitry KISLITSIN, RUSSIA |                |
| 12:48-13:00| O-35 Staged endovascular embolization in Vein of Galen aneurysmal malformation: heart failure and hemodynamics assessed via 4D flow MRI - Maria ARISTOVA, USA |                |
| 13:00-13:09| O-36 Case volume and outcomes of intracranial hemangiomas based on a national administrative database - Pokmeng SEE, USA |                |
| 13:00-13:09| O-37 Relationship between case volume and outcomes during elective management of cerebrovascular malformations based on a national administrative database - Pokmeng SEE, USA |                |
| 13:23-13:30| O-40 Pial fistula in infancy. Report of two cases and review of literature with special emphasis to the ruptured group - Ramez ABDALLA, USA |                |
| 13:27-13:30| O-41 Staged surgical resection of brain arteriovenous malformations - Eric SUISSMAN, USA |                |
| 13:30-13:35| O-42 Combined exclusion of AVM in one step (endovascular and microsurgery) - Francois PROUST, FRANCE |                |
| 13:35-13:40| O-43 Multimodality Treatment in Brain Arteriovenous Malformations: Single Center Experience at Airlangga University dr Sutomo Hospital, Surabaya, Indonesia - Nur Setiawan SUROTO, INDONESIA |                |
| 13:40-13:45| O-44 Hypofractionated radiosurgery for large cerebral arteriovenous malformation: a case series and follow up results - George WONG, HONG KONG |                |
| 13:45-13:50| O-45 Management of residual BAVM after radiosurgery: arguments for a conservative management - Stephanie LENCK, FRANCE |                |
### Monday October 15, 2018

**PLENARY SESSION**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>13:30-15:00</td>
<td>Spinal Cord AVMs</td>
<td>Feng LING, CHINA, Jean RAYMOND, CANADA</td>
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<tr>
<td>13:30-13:40</td>
<td>How would you manage patients with spinal cord AVMs? Case presentation</td>
<td>Anne-Christine JANUEL, FRANCE</td>
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<tr>
<td>13:40-13:50</td>
<td>A systematic review of treatments of spinal cord AVMs</td>
<td>Stefanos FINITSIS, GREECE, Tomoyoshi SHIGEMATSU, USA</td>
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<tr>
<td>13:50-14:00</td>
<td>Spinal cord AVM embolization with particles remain indicated in many cases</td>
<td>Emmanuel HOUDART, FRANCE</td>
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<td>14:00-14:10</td>
<td>Partial embolization of spinal cord AVMs reduces hemorrhagic risks</td>
<td>Alejandro BERENSTEIN, USA</td>
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<tr>
<td>14:10-14:20</td>
<td>Most spinal cord AVMs should be resected if at all possible</td>
<td>Feng LING, CHINA</td>
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<tr>
<td>14:20-14:30</td>
<td>Controversies regarding classifications of spinal cord AVMs</td>
<td>Georges RODESCH, FRANCE</td>
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<td>14:30-14:40</td>
<td>Spinal Cord Arterio-Venous Shunts in a Pediatric Population: Natural History, Endovascular Management and Follow-up</td>
<td>Arturo CONSOLI, FRANCE</td>
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<tr>
<td>14:40-15:00</td>
<td>Round Table on Spinal cord AVMs</td>
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**COFFEE BREAK**

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<tr>
<td>15:00-15:30</td>
<td>Foyers Cartier &amp; International</td>
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**GRAND CONFERENCE**

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<tr>
<td>15:30-16:00</td>
<td>Spinal Cords AVMs: Lessons from a life time of surgical experience</td>
<td>Michel BOJANOWSKI, CANADA, Robert SPETZLER, USA</td>
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<tr>
<td>16:00-17:00</td>
<td>Dodi-Morbidity and Dodi-Mortality rounds</td>
<td>Edoardo BOCCARDI, ITALY, Anne-Christine JANUEL, FRANCE</td>
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<tr>
<td>0-42</td>
<td>False negative angiography in gamma knife treated AVM about two cases</td>
<td>Isabelle PELISSOU-GUYOTAT, FRANCE</td>
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### Tuesday October 16, 2018

**NEUROSURGICAL ANATOMY**

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<tbody>
<tr>
<td>07:30-08:30</td>
<td>Breakfast Anatomy Refresher Course: Posterior Fossa AVMs</td>
<td>Michael LAWTON, USA, Tim DARSOU, CANADA</td>
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**NEUROVASCULAR ANATOMY**

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<td>Georges RODESCH, FRANCE</td>
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<tbody>
<tr>
<td>08:45-09:30</td>
<td>Complications of AVM treatments</td>
<td>Michel PIOTIN, FRANCE, David MATHIEU, CANADA</td>
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<tr>
<td>08:45-08:55</td>
<td>Surgical complications: True incidence and prevention</td>
<td>Gary REDEKOP, CANADA</td>
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<tr>
<td>08:55-09:05</td>
<td>Understanding and preventing complications of Endovascular Treatments</td>
<td>Serge BRACARD, FRANCE</td>
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<tr>
<td>09:05-09:15</td>
<td>Complications of radiation therapy: Incidence and Management</td>
<td>Gelareh ZADEH, CANADA</td>
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<tr>
<td>09:15-09:25</td>
<td>Legal and Insurance aspects of living with an untreated brain AVM</td>
<td>Henning MAST, SWITZERLAND</td>
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**INDUSTRY SPONSORED SESSION**

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<tr>
<td>10:30-12:00</td>
<td>Posterior Fossa AVMs</td>
<td>Daniel ROY, CANADA, Ivan RADOVANOVIC, CANADA</td>
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<tr>
<td>10:30-10:40</td>
<td>Posterior fossa AVMs: A Systematic review</td>
<td>Elsa MAGRO, FRANCE</td>
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<tr>
<td>10:40-10:50</td>
<td>Anatomical features and clinical presentation of posterior fossa AVMs</td>
<td>Timo KRINGS, CANADA</td>
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<tr>
<td>10:50-11:00</td>
<td>Lesions Characteristics and Treatment Outcomes of Brainstem AVMs</td>
<td>Gary STEINBERG, USA</td>
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<tr>
<td>11:00-11:10</td>
<td>Do’s and Don’t in Posterior fossa radiosurgery</td>
<td>Matthias RADATZ, UNITED KINGDOM</td>
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<tr>
<td>11:10-11:20</td>
<td>Endovascular treatment: Specific strategies and expected results in posterior fossa AVMs</td>
<td>Isil SAATCI, TURKEY</td>
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<td>11:20-11:30</td>
<td>Posterior fossa AVMs: does the Spetzler-Martin classification apply?</td>
<td>Michael LAWTON, USA</td>
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<tr>
<td>11:30-12:00</td>
<td>Round Table: Discussion of cases from the faculty</td>
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Tuesday October 16, 2018

**LUNCH**  
12:00 Lunch will be served on the Exhibition Area. We invite you to enjoy your meal during the free papers sessions.

**FREE PAPERS**  
12:30-13:30 Lunch & learn seminars: Endovascular  
Moderators: Michel PIOTIN, FRANCE  
Lorena NICO, CANADA

12:30-12:35  
O-53 Embolization of brain arteriovenous malformation as a comlementary method to surgery - Takaya NAKAZAWA, JAPAN

12:37-12:42  
O-54 Endovascular embolization as the first violin in multimodality treatment of brain arteriovenous malformations  
Kirill ORLOV, RUSSIA

12:44-12:49  
O-55 Management of 4 Intranidal vascular ectasia with neurological symptoms and MRI oedema but no hemorrhage presentation in Brain arteriovenous malformations (BAVMs) by partial embolization - Florence TAHON, FRANCE

12:51-12:56  
O-56 Multi-modality Management of Complex Brain Arterio-venous Malformations, Early Experience  
Waseem AZIZ, UNITED ARAB EMIRATES

12:58-13:03  
O-57 Non-staged, curative endovascular treatment for low-grade Spetzler-Martin brain arteriovenous malformations: a single-center prospective study  
Charbel MOUAYNER, FRANCE

13:05-13:10  
O-58 Endovascular embolization of AVM with non-adhesive embolizes via a 2-lumen DMSO-compatible balloon catheter  
Andrey PETROV, RUSSIA

13:12-13:17  
O-60 Odd looking AVM brain - How we treat Umair RASHID, PAKISTAN

13:19-13:24  
O-61 Embolization of Cerebral Arteriovenous Malformations Using PHIL Liquid Embolic Agent in 28 Patients: A Multicenter Study  
Saleh LAMIN, UNITED KINGDOM

**FREE PAPERS**  
12:30-13:30 Lunch & learn seminars: Basic Sciences  
Moderators: Tim DARSAUT, CANADA  
Raphaël BLANC, FRANCE

12:30-12:36  
O-43 Cyclo-oxygenase 2 is expressed in the wall of brain AVM vessels and associates with inflammation - a putative mediator of vessel wall remodeling in - Marie FAUGHNAN, CANADA

12:38-12:44  
O-44 The Severity of Brain AVM is Correlated with the Number of Endothelial Cells Harboring Mutations of AVM Causative Genes  
Sonali SHALIGRAM, USA

**PLENARY SESSION**  
**Clinical trials**  
13:30-15:00  
Moderators: Christian STAPF, CANADA  
Serge BRACARD, FRANCE

13:30-13:45  
Registries on untreated brain AVMs: limitations, biases and reasons to worry - Helen KIM, USA

13:45-14:00  
Are there alternatives to RCTs to guide clinical practice? - Michael PARIDES, USA

14:00-14:10  
Should clinicians replace RCTs by observational studies of their own practices?  
Jean RAYMOND, CANADA

14:10-14:20  
Pragmatic trials integrated to care are unfeasible? About TOBAS - Elsa MAGRO, FRANCE

14:20-14:30  
The Venous route to brain AVMs: A RCT  
Tim DARSAUT, CANADA

14:30-15:00  
Debate: Clinical research serves to advance knowledge or to practise outcome-based medical care of CNS AVMs?  
Michael LAWTON, USA - Joseph BRODERICK, USA - Michael PARIDES, USA - Helen KIM, USA  
Jean RAYMOND, CANADA - René CHAPOT, GERMANY - Luc PICARD, FRANCE - Elsa MAGRO, FRANCE - Tim DARSAUT, CANADA  
Charbel MOUAYNER, FRANCE
Tuesday October 16, 2018

GRAND CONFERENCE Théâtre Symposia
15:00-15:30 How to set up a network of centers to advance neurovascular therapies

Introduction - Christian STAPF, CANADA
Joseph BRODERICK, USA

COFFEE BREAK Foyers Cartier & International
15:30-16:00 Meet the industry

GRAND CONFERENCE Théâtre Symposia
16:00-16:30 The Future: Radiation therapy of brain AVMs: recent advances and future perspectives

Introduction - David ROBERGE, CANADA
Helen SHIH, USA

PLENARY SESSION Théâtre Symposia
16:30-17:30 The Future
Moderators: David ROBERGE, CANADA
Alain WEILL, CANADA

16:30-16:45 Various endovascular approaches will soon cure most AVMs - René CHAPOT, GERMANY

16:45-17:00 Neurosurgery will remain standard treatment in the near future - Michael LAWTON, USA

17:00-17:30 Round Table: The future
Gary STEINBERG, USA - Hongqi ZHANG, CHINA
David ROBERGE, CANADA - René CHAPOT, GERMANY - Charbel MOUNAYER, FRANCE - Michael LAWTON, USA - Helen SHIH, USA - Chiraz CHAALALA, CANADA - Alejandro BERENSTEIN, USA

17:30-17:40 The 2020-2022 meetings and closing remarks
Jean RAYMOND, CANADA
GENERAL INFORMATION

OFFICIAL LANGUAGE: ENGLISH

CONGRESS VENUE
Centre Mont-Royal - 2200 Mansfield Street
Montreal, Quebec, H3A 3R8

Welcome Desk Level 1, Hall Symposia
Plenary Sessions Level 1, Théâtre Symposia
Speaker Service Centre
Ground Floor, Salle Mansfield #4
Coffee Break and lunch buffet
Level 3, Exhibition Area, Foyer International & Foyer Cartier
Exhibition Area Level 3, Foyer International & Foyer Cartier
Poster Area Level 3, Exhibition Area

EDUCATIONAL ACCREDITATIONS
The 4th World Congress has been accredited by the EACCME for 19 European CME credits.
Your certificate will be available on our website www.avm2018.org from October 22.

CERTIFICATE OF ATTENDANCE
Your certificate of attendance for the 4th World Congress will be available on our website www.avm2018.org from October 22.

SOCIAL PROGRAMME
Welcome cocktail, October 14, 18:45, Level 3, Exhibition Area.

USEFUL INFORMATION
Airport Information: Montreal-Trudeau Airport is located in Dorval, about 20 minutes away from downtown Montréal.
The 4th World Congress on brain AVMs will now be held in Centre Mont-Royal, 2200 Mansfield Street, Montreal, Quebec, on October 14-16.
Located downtown, the Centre Mont-Royal will offer you the opportunity to enjoy the Montreal cool lifestyle. Near cafés, parks, galleries, museums and shops you will appreciate the neighbourhood.
Your stay will be as captivating as Montreal city is!

REGISTRATION AND INFORMATION
19, allées Jean Jaurès - BP 61508
31015 Toulouse Cedex - France
Tel + 33 (0) 5 34 45 26 45
regist-avm@europa-organisation.com

ACCOMMODATION
All information are available on the official webpage: www.avm2018.org/accommodation

CONGRESS MAP
Centre Mont Royal
LEVEL 3
Exhibitor list
01 Balt
02 Medtronic
03 MicroVention

You probably remember a time when treating a cerebral AVM via an endovascular approach was even more a challenge than it is today - That is until we got the chance to be involved... in fact it was some 40 years ago.
The 4th world AVM congress is the perfect opportunity to take few minutes to look back at ALL we achieved together over the last 40 years.
Don’t miss the opportunity to visit the Balt Museum!
THANKS TO OUR PARTNERS

Gold level

Silver level

Bronze level

Others partners
Welcome the 4th dimension to the angio suite

Treating malformations such as AVMs or fistula is very likely one of the biggest challenges in the field of neuro interventions. Understanding the disease and understanding the angio architecture is crucial for creating the best possible treatment plan and a successful embolization.

With the latest innovations such as syngo Dyna4D, Siemens equipment enhances treatment planning and supports the intervention further with the best image quality at low radiation.

**syngo Dyna4D**
- Allows viewing the flow pattern (temporal resolution) in 3D, providing a virtually unlimited number of DSA runs with no additional dose*
- Enhances treatment planning and patient selection, best suited for endovascular treatment, by combining the advantages of 2D (time) and 3D (space)
- By further zooming into the nidus of an AVM, syngo Dyna4D allows any view at any time, even without disturbing overlaps from distracting arteries or veins

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*This is the experience of individual users. Results may vary.

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