

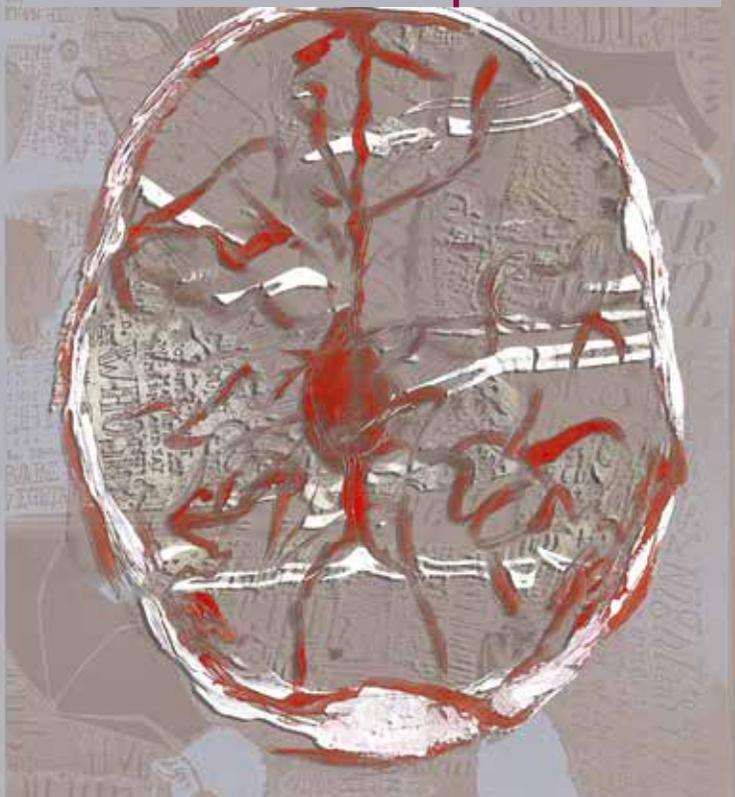


UNIVERSITY OF THESSALY SCHOOL OF HEALTH SCIENCES  
DEPARTMENT of NEUROSURGERY

organizes

# LINC INTERNATIONAL NEUROVASCULAR COURSE

## Multimodality Management of Intracranial and Spinal AVMs



FINAL PROGRAM

# MARCH 29&30 2019

Royal Olympic Hotel | Athens | Greece

[www.linc.edu.gr](http://www.linc.edu.gr)



CONGRESS SECRETARIAT:

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UNDER THE AUSPICES:



# LINC - INTERNATIONAL NEUROVASCULAR COURSE

Multimodality Management of Intracranial  
and Spinal AVMs



**MARCH 29&30 2019**  
Royal Olympic Hotel  
Athens, Greece

**KALLIRHOE HALL**

**FRIDAY 29<sup>th</sup> MARCH 2019**

**SCIENTIFIC PROGRAM**

07:30 - 09:00 Registrations

09:00 - 09:20 Greetings - Welcome Addresses  
**K. Fountas - N. Foroglou - I. Tsitouridis**

**09:20 - 11:00** **1<sup>st</sup> Morning Session: Cerebral Arteriovenous Malformations**  
Moderators: **K. Fountas, P. Skandalakis**

09:20 - 09:40 Cerebral vasculature, surgical-anatomical overview  
**G. Hadjigeorgiou**

09:40 - 10:00 Angiographic anatomy  
**M. Mantatzis**

10:00 - 10:20 Natural history of cerebral AVMs  
**B. Karlsson**

10:20 - 10:40 The role of MRI in the diagnosis of AVMs  
**E. Kapsalaki**

10:40 - 11:00 The ARUBA Trial. Microsurgical resection of unruptured AVMs.  
Risk of rupture and current trends  
**B. Karlsson vs C. Tolia**

**11:00 - 11:20** **Coffee Break**

**11:20 - 13:00** **2<sup>nd</sup> Morning Session: Symptomatic brain AVMs**  
Moderators: **E. Boccardi, A. Mitsos**

11:20 - 11:40 Pre-surgical management  
**T. Papisilekas**

11:40 - 12:00 Treatment of AVMs: Current concepts  
**A. Kailaya-Vasan**

12:00 - 12:20 Microsurgical resection of symptomatic AVMs  
**R. Spetzler**

12:20 - 12:40 Endovascular treatment: Before or after surgery?  
**E. Archontakis**

12:40 - 13:00 Endovascular treatment without surgery  
**V. Katsaridis**

**13:00 - 14:00** **Light Lunch**

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**14:00 - 16:00** **1<sup>st</sup> Afternoon Session: Microsurgical Techniques**

Moderators: **A. Andreou, A. Tasiou**

14:00 - 14:20 **How I do it:** Mapping techniques for identifying elective cortical areas in vascular surgery

**K. Fountas**

14:20 - 14:40 **How I do it:** Microsurgical excision of cortical AVMs

**C. Alleyne**

14:40 - 15:00 **How I do it:** Microsurgical excision of ventricular/periventricular AVMs

**R. Spetzler**

15:00 - 15:20 **How I do it:** Microsurgical excision of cerebellar AVMs

**C. Tolias**

15:20 - 15:40 **How I do it:** Microsurgical excision of deep-seated AVMs

**R. Spetzler**

15:40 - 16:00 **How I do it:** Microsurgical excision of brainstem AVMs

**R. Spetzler**

**16:00 - 16:30** **Coffee Break**

**16:30 - 18:30** **2<sup>nd</sup> Afternoon Session: Combined Treatment**

Moderators: **C. Alleyne, G. Fotakopoulos**

16:30 - 16:50 Management of vein of Galen malformations

**C. Alleyne**

16:50 - 17:20 Multidisciplinary treatment: The role of radiosurgery

**B. Karlsson**

17:20 - 18:00 Microsurgical resection of pediatric AVMs

**R. Spetzler**

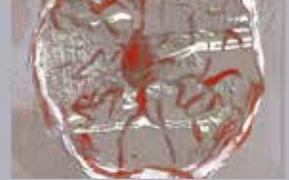
18:00 - 18:30 Multimodality management of intracranial AVMs

**A.V. Ciurea**

**SCIENTIFIC PROGRAM**

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**SATURDAY 30<sup>th</sup> MARCH 2019**

**SCIENTIFIC PROGRAM**

**09:00 - 10:40**

**1<sup>st</sup> Morning Session: Arteriovenous Fistulas**

Moderators: **C. Tolia**s, **A. Tasiou**

09:00 - 09:20

Spinal AVM/Fs

**V. Panagi**otopoulos

09:20 - 09:40

Endovascular vs surgical treatment of spinal dural AVFs

**E. Boccardi** vs **A. Andreou**

09:40 - 10:00

Cranial dural AVFs

**A. Mitsos**

10:00 - 10:20

Microsurgical vs endovascular treatment of cranial dural AVFs

**R. Spetzler** vs **E. Boccardi**

10:20 - 10:40

Surgeon factors: Training - Learning Curve

**C. Alleyne**

**10:40 - 11:00**

**Coffee Break**

**11:00 - 12:20**

**2<sup>nd</sup> Morning Session: Videos - General Concepts**

Moderators: **K. Fountas**, **A.V. Ciurea**

11:00 - 11:20

**How I do it:** Video superficial AVMs

**C. Alleyne**

11:20 - 11:40

**How I do it:** Video deep AVMs

**R. Spetzler**

11:40 - 12:00

**How I do it:** Video cranial dural AVF

**A. Andreou**

12:00 - 12:20

**How I do it:** Video spinal dural AVF

**R. Spetzler**

**12:20 - 13:30**

**Residents' luncheon**

**Panel Discussion:** **R. Spetzler, C. Alleyne, B. Karlsson,**  
**C. Tolia**s, **N. Kitchen, E. Boccardi,**  
**K. Fountas**

The residents will be able to informally discuss with the panel

**13:30 - 15:00**

**Cases discussion and closing remarks**

**Panel Discussion:** **R. Spetzler, C. Alleyne, B. Karlsson,**  
**C. Tolia**s, **N. Kitchen, E. Boccardi**

**15:00 - 16:00**

**Consensus Meeting on Natural History of AVMs**

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## SPEAKERS - CHAIRMEN

<b>Alleynes H. Cargill Jr.</b>	MD, University Neuroscience Augusta Back, Augusta, GA, Past Chairman and Residency Program Director, Department of Neurosurgery, Medical College of Georgia, Augusta University
<b>Andreou Alexandros</b>	Neurosurgeon, director, Department of Neurosurgery and Interventional Neuroradiology, Hygeia Hospital Athens, Greece
<b>Archontakis Eftychios</b>	Head of Interventional Neuroradiology, Red Cross Hospital "Korgialenio Benakio", Athens, Greece
<b>Boccardi Edoardo</b>	Director, Diagnostic and Interventional Neuroradiology, Niguarda Hospital, Milan, Italy
<b>Ciurea Vladimir Alexandru</b>	MD, PhD, MSc, Dr. h.c. Mult., Professor of Neurosurgery, "Carol Davila" University School of Medicine, Bucharest, Romania, Chief of Neurosurgery and Scientific Director, Sanador Clinical Center Hospital, Bucharest, Romania, Vice-President of the Romanian Ministry of Health Neurosurgical Committee
<b>Forglou Nicolas</b>	MD, PhD, Associate Professor of Neurosurgery, Aristotle University of Thessaloniki, Department of Neurosurgery, AHEPA University Hospital, Thessaloniki, Greece
<b>Fotakopoulos George</b>	Consultant Neurosurgeon, Neurosurgical Department, University Hospital of Patras, Greece
<b>Fountas N. Konstantinos</b>	MD, PhD, Professor of Neurosurgery, Head of Department of Neurosurgery, School of Medicine, University of Thessaly, Larissa, Greece
<b>Hadjigeorgiou George</b>	MD, PhD, Neurosurgeon, Mediteraneo Hospital, Athens, Greece, Lecturer of Anatomy/Neurosciences, School of Medicine, European University Cyprus
<b>Kailaya-Vasan Ahilan</b>	FRCS (Neuro.Surg), King's College Hospital Neurovascular Fellow
<b>Kapsalaki Eftychia</b>	Associate Professor of Radiology, School of Medicine, University of Thessaly, Larissa, Greece

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<b>Karlsson Bengt</b>	MD, PhD, National University Hospital, Singapore
<b>Katsaridis Vasilios</b>	MD, PhD, Neurosurgeon, Director, Unit for Endovascular Neurosurgery, Interbalkan Medical Center, Thessaloniki, Greece
<b>Kitchen Neil</b>	Consultant Neurosurgeon, Victor Horsley Department of Neurosurgery, The National Hospital for Neurology and Neurosurgery, London, UK
<b>Mantatzis Michalis</b>	MD, PhD, EBNR, Assistant Professor of Radiology - Neuroradiology, Democritus University of Thrace, Greece
<b>Mitsos P. Aristotelis</b>	MD, MSc, PhD, Colonel, Director, Department of Endovascular Neurosurgery, Vice Director of Neurosurgery, 401 Athens General Army Hospital, Athens, Greece
<b>Panagiotopoulos Vassilios</b>	Assistant Professor of Neurosurgery & Endovascular Neurosurgery, University Hospital of Patras, Greece
<b>Papasilekas I. Themistoklis</b>	MD, MSc(Oxon), PhD, Neurosurgeon, Department of Neurosurgery, Athens University Medical School, Greece
<b>Skandalakis Panagiotis</b>	Professor of Anatomy and Surgical Anatomy, Medical School, National and Kapodistrian University of Athens, Director of the Department of Anatomy and Surgical Anatomy Medical School, University of Athens, Greece
<b>Spetzler F. Robert</b>	MD, Emeritus President and CEO, Emeritus Professor and Chair, Department of Neurological Surgery, Barrow Neurological Institute, Phoenix, Arizona USA
<b>Tasiou Anastasia</b>	MD, PhD, Attending Neurosurgeon, Department of Neurosurgery, University Hospital of Larissa, Greece
<b>Tolias Christos</b>	MD, PhD, FRCS(Engl), FRCS(SN), Consultant Neurosurgeon, King's College Hospital, London, UK
<b>Tsitouridis Ioannis</b>	Chairman, Radiology Department, Papageorgiou Hospital of Thessaloniki, President of the Hellenic Radiological Society