



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



COURSE SECRETARIAT: **SYNTHESIS GROUP S.A.**

α / 31 Agias Varvaras Str., 164 52 Argyroupoli - Athens, Greece t / +30 210 9609400 e / linc@synthesispcp.com w / www.synthesispcp.com

LINC - INTERNATIONAL NEUROVASCULAR COURSE

Multimodality Management of Intracranial
and Spinal AVMs



MARCH 29&30 2019
Royal Olympic Hotel
Athens | Greece

WELCOME

Dear colleagues,

Welcome to the LINC.

LINC represents an ambitious project of our department to establish a unique for our region event that will periodically cover all aspects of vascular neurosurgery. Our aim is to provide trainees with a thorough and up to date review of a different subject each time, through theoretical lectures, debates as well as practical video sessions.

Our inaugural course, the LINC2016, has been successfully completed on the 18th and 19th of March 2016. Its main theme being cerebral aneurysms, and with over 50 participants and 20 faculty members from both Europe and the U.S., LINC2016 proved to be a substantial educational experience for us all.

For this event, we have chosen to concentrate on brain AVMs, a disease that still stirs controversy over what its management should be.

My team and I, welcome you all in Athens for what we trust will be - once again - a stimulating meeting and a truly didactic experience.

Kostas N. Fountas MD, PhD

Professor of Neurosurgery

Course Director

LINC - INTERNATIONAL NEUROVASCULAR COURSE

Multimodality Management of Intracranial
and Spinal AVMs



MARCH 29&30 2019
Royal Olympic Hotel
Athens, Greece

KALLIRHOE HALL

FRIDAY 29th MARCH 2019

SCIENTIFIC PROGRAM

07:30 - 09:00 Registrations

09:00 - 09:20 Greetings - Welcome Addresses
Kostas Fountas - Nicolas Foroglou - Ioannis Tsitouridis

09:20 - 11:00 1st Morning Session: Cerebral Arteriovenous Malformations
Moderators: **Kostas Fountas, Panagiotis Skandalakis**

09:20 - 09:40 Cerebral vasculature, surgical-anatomical overview
George Hadjigeorgiou

09:40 - 10:00 Angiographic anatomy
Michalis Mantatzis

10:00 - 10:20 Natural history of cerebral AVMs
Bengt Karlsson

10:20 - 10:40 The role of MRI in the diagnosis of AVMs
Eftychia Kapsalaki

10:40 - 11:00 Debate: The ARUBA Trial. Microsurgical resection of unruptured AVMs.
Risk of rupture and current trends
Bengt Karlsson vs Christos Tolia

11:00 - 11:20 Coffee Break

11:20 - 13:00 2nd Morning Session: Symptomatic brain AVMs
Moderators: **Edoardo Boccardi, Aristotelis Mitsos**

11:20 - 11:40 Pre-surgical management
Themistoklis Papisilekas

11:40 - 12:00 Treatment of AVMs: Current concepts
Ahilan Kailaya-Vasan

12:00 - 12:20 Microsurgical resection of symptomatic AVMs
Robert Spetzler

12:20 - 12:40 Endovascular treatment before or after surgery
Eftychios Arhontakis

12:40 - 13:00 Endovascular treatment without surgery
Vasileios Katsaridis

13:00 - 14.00 Light Lunch

LINC - INTERNATIONAL NEUROVASCULAR COURSE

Multimodality Management of Intracranial
and Spinal AVMs



MARCH 29&30 2019
Royal Olympic Hotel
Athens, Greece

KALLIRHOE HALL

FRIDAY 29th MARCH 2019

14:00 - 16:00

1st Afternoon Session: Microsurgical Techniques

Moderators: **Alexandros Andreou, Anastasia Tasiou**

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

Kostas Fountas

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

Cargill Alleyne

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

Robert Spetzler

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

Christos Tolia

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

Robert Spetzler

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

Robert Spetzler

16:00 - 16:30 Coffee Break

16:30 - 18:30

2nd Afternoon Session: Combined Treatment

Moderators: **Cargill Alleyne, Georgios Fotakopoulos**

16:30 - 16:50 **How I do it:** Management of vein of Galen malformations

Cargill Alleyne

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

Bengt Karlsson

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

Robert Spetzler

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

Alexandru Vladimir Ciurea

SCIENTIFIC PROGRAM

LINC - INTERNATIONAL NEUROVASCULAR COURSE

Multimodality Management of Intracranial
and Spinal AVMs



MARCH 29&30 2019
Royal Olympic Hotel
Athens, Greece

KALLIRHOE HALL

SATURDAY 30th MARCH 2019

SCIENTIFIC PROGRAM

09:00 - 10:40

1st Morning Session: Arteriovenous Fistulas

Moderators: **Christos Tolias, Anastasia Tasiou**

09:00 - 09:20

Spinal AVM/Fs

Vasileios Panagiotopoulos

09:20 - 09:40

Endovascular vs surgical treatment of spinal dural AVFs

Edoardo Boccardi vs Alexandros Andreou

09:40 - 10:00

Cranial dural AVFs

Aristotelis Mitsos

10:00 - 10:20

Microsurgical vs endovascular treatment of cranial dural AVFs

Robert Spetzler vs Edoardo Boccardi

10:20 - 10:40

Surgeon factors: Training - Learning Curve

Cargill Alleyne

10:40 - 11:00

Coffee Break

11:00 - 12:20

2nd Morning Session: Videos - General Concepts

Moderators: **Kostas Fountas, Alexandru Vladimir Ciurea**

11:00 - 11:20

How I do it: Video superficial AVMs

Cargill Alleyne

11:20 - 11:40

How I do it: Video deep AVMs

Robert Spetzler

11:40 - 12:00

How I do it: Video cranial dural AVF

Robert Spetzler

12:00 - 12:20

How I do it: Video spinal dural AVF

Alexandros Andreou

12:20 - 13:30

Residents luncheon

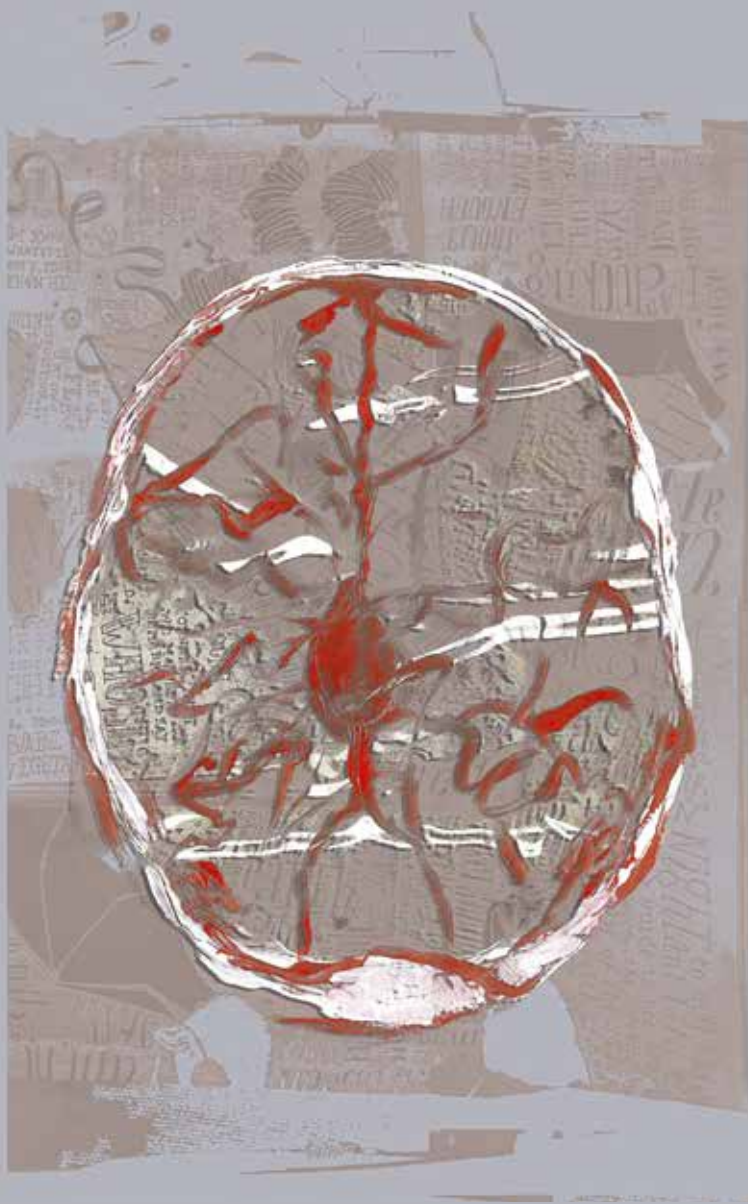
Panel Discussion: **Robert Spetzler, Cargill Alleyne, Bengt Karlsson, Christos Tolias, Neil Kitchen, Edoardo Boccardi, Kostas Fountas, Nicolas Foroglou**

The residents will be able to informally discuss with panel

13:30 - 15:00

Cases discussion and closing remarks

Panel Discussion: **Robert Spetzler, Cargill Alleyne, Bengt Karlsson, Christos Tolias, Neil Kitchen, Edoardo Boccardi**



www.linc.edu.gr



COURSE SECRETARIAT: **SYNTHESIS GROUP S.A.**

a / 31 Agias Varvaras Str., 164 52 Argypoli - Athens, Greece **t /** +30 210 9609400 **e /** linc@synthesispc.com **w /** www.synthesispc.com