

1st Athens

SEVEN GLIOMAS SURGERY COURSE

Organized by:

2nd Department of Neurosurgery and Neurotraumatology
University of Athens



National and
Kapodistrian
University of
Athens



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OF NEUROLOGICAL SOCIETIES
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Scientific Program
23rd and 24th October 2026

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Welcome to Athens

Dear Colleagues,

It is our great pleasure to invite you to Athens, Greece, for the Seven Gliomas Surgery Course to be held on October 23–24, 2026.

This intensive two-day course is designed for mid- to senior-level neurosurgical residents and young specialists with a particular interest in neuro-oncology and glioma surgery. Our goal is to provide participants with a comprehensive understanding of the modern principles and practical aspects of glioma surgery through a combination of didactic lectures, interactive discussions, and hands-on cadaveric workshops.

The course will feature an international faculty of leading experts in the field, who will share their experience and insights on state-of-the-art techniques for both awake and asleep brain mapping. Particular emphasis will be placed on the application of functional mapping, strategic planning, and the nuances involved in the surgical management of different glioma subtypes.

Our cadaveric sessions will provide a unique, topology- and network-driven approach to brain mapping. Participants will work on cadaveric hemispheres to correlate mapping paradigms with true cortical–subcortical anatomy based on tumor location. A focused white matter dissection workshop will further highlight the major lateral pathways essential for safe subcortical mapping and optimal onco-functional balance.

By the end of the course, participants will have:

- *A clear understanding of the fundamental principles of glioma surgery.*
- *In-depth knowledge of techniques and tenets for both awake and asleep intraoperative mapping.*
- *Practical, ready-to-apply insights into case selection, intraoperative decision-making, and tailoring surgical strategies to individual patients.*
- *Hands-on experience correlating mapping paradigms with true cortical and subcortical anatomy through cadaveric exploration and white matter dissection.*

Beyond its scientific content, the course will offer the opportunity to exchange ideas and experiences with colleagues from around the world, in the inspiring setting of Athens, a city rich in history and scientific tradition.

Warm regards,



Lampis Stavrinos



Aristotelis Kalyvas

Committees

COURSE DIRECTORS

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General Information

QR CODES FOR COURSE ADMISSION

Each registered participant will receive in an e-mail sent by the secretariat, the personal code to be able to enter the course area and attend the pre-selected sessions. It is mandatory for participants to present their personal code at the entrance of the course halls. Only participants with personalized codes will be able to access the sessions halls and the exhibition area.

Services	Venue	Hall	Level
Registrations	NEUROLAB	WERNICKE Lounge	5
Theoretical Sessions	NEUROLAB	PERNECZKY Lecture Room	6
Hands-on Sessions	NEUROLAB	SYLVIUS Dissection Room & WILLIS Dissection Room	1 & 2
Breaks	NEUROLAB	PENFIELD Lounge	3

CME CREDITS

The 1st Athens Seven Gliomas Surgery Course, Athens, Greece, 23/10/2026 - 24/10/2026 has been accredited by the Panhellenic Medical Association (PHMA) with 16 European Continuing Medical Education Credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.



CERTIFICATE OF ATTENDANCE

Participants will receive their certificate of attendance, after the end of the course and after having completed the evaluation. In order for participants to receive the certificate of attendance, they are required by the National Organization for Medicines (EOF) to have attended 60% of the scientific program (10 hours).

LANGUAGE

The official language of the course is English. There will be no simultaneous translation.

Friday, October 23rd

08.00 – 08.30 **Registrations**

08.30 – 09.00 **Welcome Addresses**

Aristeidis Prassas

President of the Hellenic Neurosurgical Society

Francesco Sala

EANS President

Introduction

Stathis Boviatsis

Head of the 2nd Department of Neurosurgery, Attikon Hospital

09.00 – 11.30 **Theoretical Session 1 – Cerebral anatomy and mapping foundations**

09.00 – 09.45 **Surface and Gross Anatomy of the Cerebrum with radiological correlation**
A. Kalyvas

09.45 – 10.30 **White Matter pathways beneath the lateral cerebral surface**
A. Kalyvas

10.30 – 11.15 **Anatomy of the medial temporal lobe**
C. Koutsarnakis

11.15 – 11.30 **Discussion**

11.30 – 12.00 **Coffee Break**

12.00 – 12.45 **Hands on Session 1 – Cadaveric exploration of cortical anatomy**

Master station: A. Kalyvas

Master-station demonstration with guided identification of the major sulci, gyri and opercular landmarks. Participants orient the cerebral hemisphere and relate the exposed anatomy to imaging, cortical access and the mapping sessions that follow.

12.45 – 14.00 **Lunch Break**

14.00 - 16.45 Theoretical Session 2 - Principles of Brain Mapping

14.00 - 14.30 Principles of glioma surgery
N. Foroglou

14.30 - 15.00 Principles of Intraoperative Brain Mapping for beginners
K. Papadopoulos

15.00 - 15.30 Principles of Asleep Brain Mapping
F. Sala

15.30 - 16.00 Principles of Awake Brain Mapping
M. Berger

16.00 - 16.30 Functional Testing for Brain Mapping
E. Liouta

16.30 - 16.45 Discussion

Cortical mapping and preparation for fiber dissection

16.45 - 17.00 Coffee Break

17.00 - 18.00 Hands on Session 2 - Cortical mapping and preparation for fiber dissection

Practical guide to cortical brain mapping

Master station: **L. Bello and M. S. Berger**

Working on cadaveric hemispheres, participants rehearse anatomical orientation, probe handling and cortical mapping sequences using monopolar and bipolar stimulation probes.

Faculty demonstrate each step at the master station and relate electrode placement to task selection, response interpretation and the choice of cortical entry.

17.00 - 17.30 **Motor, premotor and supplementary motor areas**
L. Bello

Identify perirolandic and medial frontal landmarks; rehearse probe positioning and mapping order; and discuss the selection of stimulation and monitoring for motor output, skilled movement and movement initiation. Relate the cortical map to the planned access and first steps of resection.

Friday, October 23rd

17.30 - 18.00

The perisylvian language network

M. Berger

Orient the frontal, temporal and parietal opercula; rehearse systematic cortical sampling with appropriate probes; and connect naming, repetition and speech tasks to the interpretation of positive and negative sites when selecting the operative corridor.

18.00 - 19.00

Grey Matter Dissection

Preparing the hemisphere for white matter dissection

Master station: A. Kalyvas

Under stepwise guidance, participants remove the cortical grey matter using fine metallic periosteal elevators or wooden spatulas. Dissection proceeds to the superficial U-fibre layer, exposing its short association fibres while preserving the underlying white matter architecture. The prepared hemispheres will be used for the lateral-to-medial dissection session on Saturday.

19.00 - 19.30

Case Discussion - How cortical mapping changes the operative plan

Interactive cases focus on cortical task selection, interpretation of stimulation findings and the reliability of negative mapping. Participants discuss how a cortical map changes the exposure, cortical entry point, operative corridor and initial sequence of resection. Each case concludes with the faculty's revised strategy and the finding that prompted it.

Panel: L. Bello, M. Berger, A. Filippidis, N. Foroglou, K. Fountas, N. Haliasos, A. Kalyvas, E. Kogias, S. Korfiatis, C. Koutsarnakis, E. Liouta, K. Papadopoulos, F. Sala, L. Stavrinou, P. Stavrinou



Saturday, October 24th

09.00 - 10.30 Theoretical Session 3 - Surgical scenarios and white matter anatomy

09.00 - 09.30 Frontal motor, premotor and supplementary motor area gliomas
L. Bello

09.30 - 10.00 Temporal gliomas
K. Fountas

10.00 - 10.30 Insular and operculoinsular gliomas
M. Berger

10.30 - 10.45 Discussion

10.45 - 11.00 Coffee Break

11.00 - 14.00 Hands on Session 3 - Cadaveric white matter dissection from lateral to medial

Master station: A. Kalyvas and C. Koutsarnakis

A stepwise exploration of the white matter beneath the lateral cerebral surface. Following the master-station demonstration, participants continue dissection of the prepared hemispheres and examine the morphology, direction and spatial relationships of the major association and projection pathways. Participants develop a three-dimensional understanding of the pathways and use it to reason through surgical corridors, the direction of resection and functional boundaries.

14.00 - 15.00 Lunch Break

Saturday, October 24th

15.00 - 17.15 Theoretical Session 4 - Posterior networks and mapping during resection

15.00 - 15.30 Parietal gliomas
L. Stavrinou

15.30 - 16.00 TPO junction gliomas: mapping intersecting networks
N. Haliasos

16.00 - 16.30 Thalamic gliomas
P. Stavrinou

16.30 - 17.00 Callosal and butterfly gliomas
A. Filippidis

17.00 - 17.15 Discussion

17.15 - 17.30 Coffee Break

17.30 - 19.30 Case Discussion - From cortical entry to subcortical limits of resection

Cases across the seven scenarios combine imaging, operative views and cortical and subcortical mapping findings. Participants identify the functions at risk, select appropriate tasks and stimulation approaches, and discuss the pathways that may explain each response. Faculty show how the findings change the corridor, direction or sequence of resection and the decision to continue, redirect, pause or leave residual tumour.

Panel: **L. Bello, M. Berger, A. Filippidis, N. Foroglou, K. Fountas, N. Haliasos, A. Kalyvas, E. Kogias, S. Korfias, C. Koutsarnakis, E. Liouta, K. Papadopoulos, L. Stavrinou, P. Stavrinou**

Faculty List

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Acknowledgements

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of neurosurgery together.



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