

INTRACRANIAL GLIOMA WORKSHOP: FROM A TO Z

FINAL PROGRAM

06

07

08 **APRIL** 2017

AMPHITHEATER "HIPPOCRATES"
MEDICAL SCHOOL UNIVERSITY OF THESSALY
LARISSA, GREECE

UNDER THE AUSPICES:



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES



SECRETARIAT:

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WELCOME ADDRESS

Dear Colleague,

It is our great pleasure to welcome you to our comprehensive practical workshop of diagnosing and managing patients with intracranial gliomas. Our course is aiming at covering all aspects of gliomas, from their genetic analysis and profiling to the most advanced surgical resective techniques, and the long-term follow-up and support of these patients. An astonishing multi-national faculty, including leading figures in the field of neuro-oncology constitutes a guarantee that the participants will be able to familiarize themselves with all advanced imaging and surgical techniques, utilized for the most efficient and the safest management of patients with intracranial gliomas. A well-balanced combination of vivid presentations, stimulating debates, highly-didactic video sessions, and practical hands-on will ensure that each participant will be exposed to all diagnostic methodologies, to the most updated surgical strategies, and to the most recent adjuvant treatment protocols. Moreover, the interactive e-poster session will serve as a forum for exchanging bright new ideas regarding basic science, translational, and clinical glioma research.

The event is hosted in the hospitable city of Larissa, where Hippocrates practiced medicine and spent his last days. Less than an hour from Larissa the mythical Mt. Olympus, the unique Meteora monasteries and Pelion, the mountain of Centaurus are located, while the city is also connected to the spectacular islands of Skiathos, Skopelos and Alonissos.

We hope that this meeting will be an unforgettable experience for you.

With our warmest regards,

Effie Kapsalaki

Kostas Fountas

Chairmen of the Organizing Committee



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CME CREDITS

The Intracranial Glioma Workshop: From A to Z is designated for a maximum of 15 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net



SECRETARIAT



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Eftychia Kapsalaki

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SCIENTIFIC PROGRAM

Thursday - 6 April, 2017

- 08:00 - 08:45 Registration
08:45 - 09:00 Welcome - Greetings

Session I Epidemiological and Histopathological Characteristics of Gliomas

Moderators: **G. Koukoulis, S. Voulgaris**

- 09:00 - 09:15 Incidence and Epidemiology - **G. Fotakopoulos**
09:15 - 09:45 Histopathological Considerations and Classification - **E. Rushing**
09:45 - 10:00 Molecular Genetics of Adult Gliomas - **A. Tsezou**
10:00 - 10:15 Discussion

10:15-10:30 Coffee Break

Session II Diagnosis of Gliomas Part I

Moderators : **I. Fezoulidis, A. Gouliamos**

- 10:30 - 10:40 Conventional MRI in the Differential Diagnosis - **D. Parafesta**
10:40 - 10:55 Pediatric Consideration of Gliomas - **A. Zikou**
10:55 - 11:10 Basics of DWI/DTI - **I. Tsougos**
11:10 - 11:25 Basics of MR Perfusion - **E. Kapsalaki**
11:25 - 11:45 Pearls & Pitfalls of MR Spectroscopy - **V. Katsaros**
11:45 - 12:15 Multi-Parametric MR Imaging of Gliomas - **H. Urbach**
12:15 - 12:45 Debate: Preoperative Imaging Glioma Grading - Myth or Reality?

12:45 - 13:45 Lunch Break
E-Poster Viewing



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SCIENTIFIC PROGRAM

Thursday - 6 April, 2017

Session II Diagnosis of Gliomas Part II

Moderators: P. Georgoulas, K. Theodorou

13:45 - 14:05 PET/SPECT - A.D. Fotopoulos

14:05 - 14:25 PET MRI- V. Katsaros

14:25 - 14:45 Genetic Profiling - M. Satra

14:45 - 15:05 "Smart" Clinical Decision Support Systems - I. Tsougos

15:05 - 15:20 **Debate: Smart Clinical Decision Support Systems -
A Replacement of the Neuroradiologist?**

15:20 - 15:45 Coffee Break

15:45 - 18:30 Practical Workshops

Workshop Area

Instructors: E. Kapsalaki, V. Katsaros, E. Papadaki,
M. Papathanasiou, E. Tsatsali, I. Tsougos, A. Vassiou, A. Zikou

15:45 - 16:00 Group Assignment

16:00 - 17:00 Workshop I

- Anatomy
- Interesting Cases

17:00 - 18:30 Workshop II

- Hands-On
- Challenging Cases



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Friday - 7 April, 2017

Session III Preoperative Evaluation and Planning

Moderators: **G. Stranjalis, E. Dardiotis**

- 08:30 - 09:00** Cortical Functional Anatomy - **E. Johnson**
09:00 - 09:20 f-MRI - Identification of Eloquent Cortex - **H. Urbach**
09:20 - 09:40 Neuropsychological Evaluation - **E. Liouta**
09:40 - 10:00 Integration of Imaging Data in Surgical Planning - **J. Barcia**
10:00 - 10:20 Extraoperative Cortical Mapping - **K. Fountas**
10:20 - 10:45 **Debate: Preoperative f-MRI of Cortical Mapping - Is It Enough?**
10:45 - 11:15 Coffee Break

Session IV Surgical Management Part I

Moderators: **E. Arnaoutoglou, A. Andreou**

- 11:15 - 11:35** Anesthesiological Consideration - **A. Petsiti**
11:35 - 12:15 Advanced Techniques for Total Resection - **H. Duffau**
12:15 - 12:30 Discussion

Moderator: **K. Fountas**

12:30 - 13:15 Satellite Symposium

See page 13

- 13:15 - 14:00** Lunch Break
E-Poster Viewing

Session IV Surgical Management Part II

Moderators: **K. Polyzoidis, E. Boviatsis**

- 14:00 - 14:45** Awake Craniotomy for Glioma Resection - **M. Berger**
14:45 - 15:30 Supramarginal Glioma Resection - **H. Duffau**
15:30 - 15:50 Advanced Cortical Mapping Techniques - **Z. Ram**
15:50 - 16:15 **Debate: Intra vs. Extra Operative Cortical Mapping**



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SCIENTIFIC PROGRAM

Friday - 7 April, 2017

16:15 - 18:15 Practical Workshops

Workshop Area

Parallel Workshop A

Instructors: **M. Berger, H. Duffau, N. Foroglou, K. Fountas, Z. Ram**

Video sessions: How I Do It

Parallel Workshop B

Instructors: **E. Kapsalaki, V. Katsaros, E. Tsatsali, I. Tsougos,**

A. Vassiou, A. Zikou

- Hands-On
- Challenging Cases

Saturday - 8 April, 2017

Session V Breakfast Case Discussion

Moderators: **N. Foroglou, A. Drevelegas**

09:00 - 11:00 Challenging Cases Submitted by the Participants
J. Barcia, M. Berger, H. Duffau, N. Foroglou, H. Urbach

Session VI Adjuvant Treatment

Moderators: **C. Kappas, K. Theodorou**

11:00 - 11:15 Radiation Treatment - **I. Beli**

11:15 - 11:30 Stereotactic Radiosurgery - **M. Piperis**

11:30 - 11:45 Chemotherapy - **A. Kyritsis**

11:45 - 12:00 Post-Treatment Neuropsychological Deficits and Rehabilitation - **E. Liouta**

12:00 - 12:15 Rehabilitation of Glioma Patients - **M. Sgantzos**

12:15 - 12:45 Worldwide Access to Advanced Glioma Therapeutic Options - **J.S. Robinson, Jr**

12:45 - 13:45 Lunch : Meet the Experts

13:45 - 14:00 E-Poster Awarding
Closing remarks



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E-POSTERS

PP1 MAXIMAL SAFE RESECTION FOLLOWED BY BALLOON ELECTRONIC BRACHYTHERAPY FOR RECURRENT GLIOBLASTOMAS: INITIAL EXPERIENCE

Krivoshapkin A.¹, **Gaytan A.**¹, Salim N.², Abdullaev O.¹, Sergeev G.²

¹ Chair of Neurosurgery, Novosibirsk State Medical University

² Neurosurgery Department, European Medical Center

PP2 ANAPLASTIC GANGLIOGLIOMA IN PREGNANCY. A CASE REPORT

Pikis S., Petrosyan T., Psilovasilopoulos G., Karakalos Sp., Panourgias I., **Arealis G.**

Department of Neurosurgery, "Korgialenio Benakio" Red Cross Hospital, Athens, Greece

PP3 DIFFUSION AND PERFUSION MAGNETIC RESONANCE TECHNIQUES FOR GRADING DIFFUSE GLIOMAS

Georgiev R.¹, Balev B.¹, Novakova M.¹, Dzhakov D.²

¹ Medical University Varna, Radiology department

² Pathology department, University hospital "St.Marina" Varna, Bulgaria

PP4 GLIOMA DIFFERENTIAL DIAGNOSIS USING TEXTURE ANALYSIS AND DTI SEGMENTATION

Tsougos I.¹, Vamvakas A.², Arikidis N.², Kapsalaki E.³, Fezoulidis I.³, Fountas K.⁴, Costaridou L.²

¹ Medical Physics Department, Medical School, University of Thessaly, Larissa, Greece

² Department of Medical Physics, School of Medicine, University of Patras, Greece

³ Radiology Department, Medical School, University of Thessaly, Larissa, Greece

⁴ Neurosurgery Department, Medical School, University of Thessaly, Larissa, Greece

PP5 CERVICAL LYMPH NODE METASTASES FROM GLIOBLASTOMA MULTIFORME: REPORT OF A CASE AND REVIEW OF THE LITERATURE

Papafragkos D., Papageorgopoulos P., Stefanides P., Kouzelis K.

Neurosurgery Department, Thrasio General Hospital of Elefsis

PP6 PIVOTAL ROLE OF HIGH-MOBILITY GROUP BOX 1 (HMGB1) SIGNALING PATHWAYS IN GLIOMA DEVELOPMENT AND PROGRESSION

Angelopoulou E.¹, Piperi C.¹, Adamopoulos C.¹, Papavassiliou AG.¹

Department of Biological Chemistry, Medical School, National and Kapodistrian University of Athens, Greece



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E-POSTERS

PP7 CEREBELLAR LIPONEUROCYTOMA AFFECTING FAMILY MEMBERS OF THE SAME GENERATION

Pikis S.¹, Petrosyan T.¹, **Arealis G.**¹, Margolin E.²

¹ Department of Neurosurgery, "Korgialenio Benakio" Red Cross Hospital, Athens, Greece

² Department of Neurosurgery, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

PP8 PRIMARY GLIOSARCOMA: CENTER EXPERIENCE

Pikis S., Petrosyan T., Psilovasilopoulos G, Karakalos Sp. Vasilopoulos A., **Arealis G.**

Department of Neurosurgery, "Korgialenio-Benakio", Red Cross Hospital, Athens, Greece

**PP9 LONG-TERM SURVIVAL (>3 YEARS) IN PATIENT WITH GLIOBLASTOMA. THE BURDENKO
NEUROSURGERY INSTITUTE EXPERIENCE**

Goldberg M.F.^{1,2}, **Goraynov S.A.**¹, Kondashov A.V.², Pitskhelauri D.I.¹, Ryzhova M.V.¹,
Shishkina L.V.¹, Gevorkyan A.A.², Usachev D.Y.¹, Belyaev A.Y.¹, Golanov A.V.¹, Potapov A.A.¹

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