



INTRACRANIAL GLIOMA WORKSHOP: FROM A TO Z

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

06/07/08
APRIL 2017

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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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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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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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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² I.M. Sechenov First Moscow State Medical University, Moscow, Russia