

33rd Annual Congress Hellenic Neurosurgical Society

2019
June

4th Congress SeENS South East Europe Neurosurgical Society

27 28 29 30

13th Annual Neurosurgery Nurses Meeting

Venue | Makedonia Palace
THESSALONIKI – GREECE

www.synthesispc.com/enxe2019



Organizers

Hellenic Neurosurgical Society

Southeast Europe Neurosurgical Society

With the participation



Final Programme



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Dear Colleagues of the Hellenic Neurosurgical Society (HNS) and the Southeast Europe Neurosurgery Society (SeENS),

In order to deliver in our patients, the best quality of care, a certain level of proficiency and competence needs not only to be attained but also maintained. The 33rd HNS Annual Congress & 4th SeENS Congress is serving these two targets: bringing new knowledge and tuning management based on current guidelines, experience and innovation.

The scientific program planned for the youngsters but also the senior members of our societies focuses on common clinical problems and the need of expansion of the field borders. It is recognized that the only way to advance Neurosurgery is through the collaboration with our allied professions and the judicious implementation of technological advances. Rehabilitation, Craniofacial reconstruction, Stroke management and the tangible benefits of Neuro-ICU are some of the round tables. As every year, our residents and young specialists will enjoy the dedicated Young Neurosurgeon Session and the early morning sessions spotlighting the skull base and cranio-cervical junction. This year we are extremely honored by the presence of our EANS partners and the colleagues from the prestigious Burdenko Neurological Institute in Moscow.

The selected venue, ideally located at the waterfront of the city center, is combining high standard congress facilities and a pleasant environment for our breaks. The exhibition area brings all major companies of the region presenting the opportunity to strengthen our collaboration with the industry. Finally, the social program is flavored by the authentic Greek hospitality.

On behalf of the Organizing Committee, we would like to thank you for actively participating in this unique scientific event gathering Neurosurgeons from Southeast Europe and the Russian Federation in the cosmopolitan and multicultural city of Thessaloniki. We look forward to welcoming you in Thessaloniki for human relations strengthening and advancing Neurosurgery.



Nicolas Foroglou
President HNS



Lukas Rasulic
President SeENS

CHAIRS
President: N. Foroglou **Co - President:** L. Rasulic **Honorary President:** A. Andreou

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ORGANIZATION

 HELLENIC NEUROSURGICAL
SOCIETY

 SOUTHEAST EUROPE
NEUROSURGICAL SOCIETY

WITH THE PARTICIPATION

CONGRESS SECRETARIAT

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Dear Colleagues,

We invite you to the 13th Annual Neurosurgery Nurses Meeting, which will take place in Thessaloniki, in 28 June 2019 during the 33rd Annual Congress of the Hellenic Neurosurgical Society.

This scientific event which has gradually become a steppingstone of knowledge exchange and collaboration between nurses that specialize in the field of neurosurgery, is of particular significance, especially considering the adverse conditions of health care in Greece, due to the economic crisis that has affected the country in recent years.

The scientific program is multidisciplinary. Particular effort was given towards covering all aspects that affect our daily practice with lectures given by our esteemed colleagues.

With the hope and belief that the 13th Annual Neurosurgery Nurses Meeting will surpass the success of last year's organization, we look forward to welcoming you to this year's meeting.



Theodora Martinopoulou
President of the Organizing Committee

*The program of the 13th Annual Neurosurgery Nurses Meeting is in Greek.

ORGANIZING COMMITTEE

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CME CREDITS

The 33rd Annual Congress of the Hellenic Neurosurgical Society & 4th Congress of SeENS Southeast Europe Neurosurgical Society & 13th Annual Neurosurgery Nurses Meeting, Thessaloniki, Greece, 27/06/2019 - 30/06/2019 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 28 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.



Scientific Program

**33rd Annual Congress
of the Hellenic Neurosurgical
Society
&
4th Congress of the SeENS
Southeast Europe
Neurosurgical Society**

11:00 – 13:00 Registration

HALL ALEXANDROS I

13:00 – 14:30 **Young Neurosurgeons Session - Gliomas**

Chairs: **T. Paleologos, A. Tasiou**

13:00 – 13:15 WHO 2016 classification and natural history
I. Mylonakis

13:15 – 13:30 Clinical implications of glioma molecular markers
D. Isaakidis

13:30 – 13:45 Radiological focus in planning surgery and monitoring remnants
T. Paschalis

13:45 – 14:00 Intraoperative tools for glioma surgery
V. Xenaki

14:00 – 14:15 Radiotherapy and chemotherapy: What and when
P. Sarlis

14:15 – 14:30 Patient's perspective outcome
S. Skiada

14:30 – 16:00 **Vascular Injuries in Neurosurgery**

Chairs: **S. Voulgaris, M.A. Lambrou**

14:30 – 14:45 Vertebral artery injuries
V. Arzoglou

14:45 – 15:00 Vascular accidents during skull base surgery
P. Stavrinou

15:00 – 15:15 Vascular injuries in thoracic and lumbar surgery
G. Hadjigeorgiou

15:15 – 15:30 Vascular injuries in functional neurosurgery
A. Tasiou

15:30 – 15:45 Vascular accidents during endovascular treatments
V. Katsaridis

HALL ALEXANDROS I

15:45 – 16:00 Oral Presentations

OP
01**ENDOVASCULAR TREATMENT OF INTRACRANIAL ANEURYSMS: A SINGLE CENTER EXPERIENCE****Karampouga M.**¹, Nikolaidis D.¹, Nasis N.^{1,2}, Ioannidis I.^{1,2}, Lambrou M.A.¹¹Department of Neurosurgery, General Hospital of Nicosia, Cyprus, ²Department of Neurosurgery and Interventional Neuroradiology, HYGEIA Hospital, Athens, GreeceOP
02**IMPROVEMENT OF HEMIPARETIC HAND FUNCTION USING ROBOTIC ASSISTANCE AND GUIDANCE OF VIRTUAL REALITY TECHNOLOGY, IN PATIENTS WITH CEREBRAL LESION****Bakas E.**, Gouliovaki A., Vorniotakis P., Bikos G., Gatziani P.

Rehabilitation Center "Euromedica Arogi", Thessaloniki

16:00 – 16:30 Coffee Break

16:30 – 18:00 Spinal Trauma
Chairs: **A. Spiliotopoulos, G. Makrygiannakis**16:30 – 16:45 AOS classification
I. Balogiannis16:45 – 17:00 Role of navigation
A. Brotis17:00 – 17:15 Timing of surgery
V. Valadakis17:15 – 17:30 Pediatric spine trauma
A. Prassas17:30 – 17:45 Open vs Transcutaneous spinal fixation
S. Grigoriadis

17:45 – 18:00 Oral Presentations

OP
03**TUBULAR MICROSURGICAL APPROACH FOR LUMBAR STENOSIS OR DISC HERNIATIONS****Papadakos D.**, Theofanopoulos A., Constantoyannis C.

Department of Neurosurgery, Patras Medical School, Patras, Greece

OP
04**TREATMENT OF CRANIOCERVICAL INSTABILITY USING A POSTERIOR ONLY APPROACH EXPERIENCE WITH 10 CASES**Sklavounou M., Stamatopoulos G., **Bouramas D.**

Department of Neurosurgery, Athens Bioclinik, Athens, Greece



HALL ALEXANDROS I

18:00 – 19:30 **Peripheral Nerve Surgery - CSF Disorders**
Chairs: K. Tsoleka, A. Chaparoski

18:00 – 18:15 Complications of peripheral nerve surgery
L. Rasulic

18:15 – 18:30 CSF rhinorrhea following transphenoidal surgery for pituitary adenoma
P. Vulekovic

18:30 – 18:45 Endoscopic techniques for rhinorrhea management
J. Constantinidis

18:45 – 19:00 Cranial techniques for rhinorrhea management
A. Petsanas

19:00 – 19:30 **Oral Presentations**

OP
05

DIAGNOSIS AND TREATMENT OF ANTERIOR CRANIAL FOSSA CEREBROSPINAL FLUID LEAKS; DIAGNOSTIC ALGORITHM AND THE ROLE OF ENDOSCOPY

Mantziaris G., Pikis S., Petrosyan T., Arealis G., Barkas K.
Neurosurgery Department, Athens Red Cross Hospital

OP
06

INCIDENCE AND REPAIR OF INTRAOPERATIVE CSF LEAKAGE DURING TRANSNASAL ENDOSCOPIC PITUITARY SURGERY

Fistouris P.¹, Kogias E.^{1,2}
¹Department of Neurosurgery, University Medical Center Freiburg, Germany, ²Department of Neurosurgery, Cantonal Hospital of St. Gallen, Switzerland

OP
07

COMPLICATIONS IN MICROSCOPIC TRANSNASAL TRANSPHENOIDAL SURGERY. AN ANALYSIS IN 166 CONSECUTIVE CASES

Xenaki V., Paleologos T.S., Papadopoulos - Manolarakis P., Fratzoglou M., **Sakellaridou M.**, Papanikolaou P.G., Chatzidakis E.
Neurosurgery Department, General Hospital of Nikaia - Piraeus, Athens, Greece

OP
08

DELAYED CSF COLLECTIONS AFTER LUMBAR MICRODISCECTOMY

Sakellaridou M., Xenaki V., Papadopoulos P., Paleologos T.S., Fratzoglou M., Papanikolaou P.G.
Neurosurgery Department, General Hospital of Nikaia - Piraeus, Athens, Greece

HALL ALEXANDROS I

08:00 – 09:30 Craniocervical Junction - Neurovascular Morning Session I
Chairs: **P. Papanikolaou, S. Grigoriadis**

08:00– 08:15 Biomechanics of CVJ
P. Tsitsopoulos

08:15 – 08:30 C1-C2 anterior approaches
D. Bouramas

08:30 – 08:45 C0-C1-C2 posterior approaches
T. Bouras

08:45 – 09:30 Oral PresentationsOP
09

THE IMPACT OF PARENT ARTERY OCCLUSION IN DISTAL PCA ANEURYSMS: THE ROLE OF THE ANASTOMOTIC NETWORKS OF THE PARIETO-OCCIPITAL ARTERY (PoA). A MICROANATOMICAL CADAVERIC STUDY

Karakosta E.^{1,2}, Filias P.², Mavridis I.¹, Kalamatianos T.¹, Stranjalis G.¹
¹Athens Microneurosurgery Laboratory, Department of Neurosurgery, Evangelismos Hospital, Athens, Greece, ²Department of Neurosurgery, KAT General Hospital, Athens, Greece.

OP
10

SURGICAL TREATMENT OF INTRACRANIAL ANEURYSMS

Mylonakis I., Karagianni A., Filias P., Apostolakis S., Mitropoulos A., Karakosta E., Vlachos K., Roussos L.
Department of Neurosurgery, "KAT" General Hospital, Kifissia, Greece

OP
11

MIDDLE CEREBRAL ARTERY ANEURYSM "NECK OVERHANG" DECREASED POST-CLIPPING RESIDUAL USING THE INTERSECTING CLIPPING TECHNIQUE-THE EXPERIENCE IN TWO HOSPITALS: ALBUQUERQUE - NEW MEXICO (USA) AND BAGGIOVARA - MODENA (ITALY)

Dimitriadis S.¹, Pavesi G.¹, Yonas H.², Carlson P.A.²
¹Department of Neurosurgery, NOCSAE Modena Hospital, Modena, Italy, ²Department of Neurological Surgery, University of New Mexico School of Medicine, Albuquerque, New Mexico

OP
12

INTRADURAL VERSUS EXTRADURAL ANTERIOR CLINOIDECTOMY IN SKULL BASE AND NEUROVASCULAR PATHOLOGY

Georgis P., **Charitos D.**, Paidakakos N., Valadakis V., Georgakoulis N.
Department of Neurosurgery, GNA G. Gennimatas

OP
13

THE IMPACT OF TNF-A IN PROGNOSTICATION OF POOR NEUROLOGICAL OUTCOME IN PATIENTS AFTER INTRACEREBRAL HEMORRHAGE

Rendevski V., Aleksovski B., Chaparoski A., Filipce V., Shuntov B., Stojanov D., Mihajlovska Rendevska A., Aleksovski V., Gjorgoski I.
University Clinic of Neurosurgery, Medical Faculty, "Ss. Cyril and Methodius" University



HALL ALEXANDROS I

OP
14

TRANSVENOUS TRANSJUGULAR EMBOLIZATION OF RUPTURED HUGE VENOUS ECTASIA OF A COGNARD IV TENTORIAL DURAL ARTERIOVENOUS FISTULA AS A LIFE-SAVING PROCEDURE. REPORT OF TWO CASES

Panagiotopoulos V.^{1,2}, **Papadakos D.**¹, Theofanopoulos A.¹, Zampakis P.², Constantoyannis C.¹

¹ Department of Neurosurgery, University Hospital of Patras, ² Department of Endovascular Neurosurgery & Interventional Neuroradiology

09:30 – 11:00 Cerebral AVM
Chairs: **M. Fratzoglou, R. Bosnjak**

09:30 – 09:45 Classification, hemodynamics and natural history
A. Mitsos

09:45 – 10:00 Management of unruptured AVMs
V. Panagiotopoulos

10:00 – 10:15 AVMs with cerebral hematoma. Surgical strategies
E. Spagnuolo

10:15 – 10:30 Endovascular treatment of cerebral AVMs
N. Velinov

10:30 – 10:45 Radiosurgical treatment
C. Boskos

10:45 – 11:00 Holistic approach
A. Andreou

11:00 – 11:30 Coffee Break

11:30 – 13:00 Meningiomas
Chairs: **D. Sakas, I.S. Florian**

11:30 – 11:45 Supraorbital keyhole approach for anterior fossa meningiomas
P. Selviarides

11:45 – 12:00 Management of parasagittal and falx meningiomas
N. Altinors

12:00 – 12:15 CPA meningiomas
M. Fratzoglou

HALL ALEXANDROS I

12:15 - 12:30	Craniocervical meningiomas P. Theodosopoulos
12:30 - 12:45	The role of radiosurgery for residual or recurrent meningiomas H. Emmez
12:45 - 13:00	Complex cranial surgery: Reflecting the past and hoping for a future I. Fouyas

13:00 - 14:00 Light Lunch

14:00 - 15:30 Spinal Surgery
Chairs: **E. Chatzidakis, T. Sajko**

14:00 - 14:15 Spine surgery optimal training in Europe
J. Lafuente

14:15 - 14:30 Thoracic disk experience
A. Demetriades

14:30 - 14:45 New philosophy in spine surgery
M. Spyrou

14:45 - 15:00 Interbody fat graft application with the anterior contralateral cervical microdiscectomy to preserve segmental mobility
Y. Aydin

15:00 - 15:15 Management of cervical myelopathy
D. Karabetsov

15:15 - 15:30 Oral Presentations

OP
15

CEREBROSPINAL FLUID MARKERS OF GLIAL AND AXONAL DAMAGE IN CERVICAL SPONDYLOTIC MYELOPATHY

Tsitsopoulos P. P.^{1,2}, Holmström U.¹, Holtz A.¹, Blennow K.^{3,4}, Zetterberg H.^{3,4}, Marinos K.², Marklund N.^{1,5}

¹ Department of Neuroscience, Section of Neurosurgery, Uppsala University and Uppsala University Hospital, Sweden, ² Department of Neurosurgery, Hippokratia General Hospital, Aristotle University School of Health Sciences, Faculty of Medicine, Thessaloniki, Greece, ³ Institute of Neuroscience and Physiology, Department of Psychiatry and Neurochemistry, The Sahlgrenska Academy at University of Gothenburg, Mölndal, Sweden, ⁴ Clinical Neurochemistry Laboratory, Sahlgrenska University Hospital, Mölndal, Sweden, ⁵ Lund University, Skane University Hospital, Department of Clinical Sciences Lund, Neurosurgery, Lund, Sweden



HALL ALEXANDROS I

OP
16

ANALYSIS OF THE CHRONOLOGY OF SURGICAL DECOMPRESSION IN CAUDA EQUINA SYNDROME – THE BRISTOL EXPERIENCE

Morosanu C.O.¹, Nicolae L.¹, Lee J.¹, Strilciuc S.², Sandeman D.¹

¹Department of Neurosurgery, Southmead Hospital, Bristol, United Kingdom, ²RoNeuro Institute of Neurological Research and Diagnosis, Cluj Napoca, Romania

15:30 – 17:00 Intra-Axial Cerebral Lesions

Chairs: **G. Stranjalis, V. Papanastassiou**

15:30 – 15:45 Management of pineal lesions
I. Patsalas

15:45 – 16:00 Endoscope-assisted supracerebellar approach to pineal and posterior 3rd ventricle lesions
R. Bosnjak

16:00 – 16:15 Stereotaxy for brainstem lesions
V. Papic

16:15 – 16:30 Glioma: What is the real diagnosis?
I. Omerhodzic

16:30 – 16:45 How to avoid complications in glioma surgery
K. Rotim

16:45 – 17:00 Dysembryoblastic Neuroepithelial tumor: Surgical and seizure outcome
T. Sajko

17:00 – 17:30 Coffee Break

17:30 – 19:45 Neuro ICU – Neuroanesthesia

Chairs: **I. Solaroglu, A. Vakis**

17:30 – 17:45 Sodium disturbances in neurosurgery
A. Chatzisotiriou

17:45 – 18:00 Multimodal neuromonitoring in the ICU
D. Matamis

18:00 – 18:15 ARDS in neurosurgery
I. Pnevmatikos

HALL ALEXANDROS I

18:15 – 18:30 Stroke unit requirements
J. Rudolf

18:30 – 18:45 Bridging neuroanesthesia and neuro ICU in neurovascular surgery
G. Tsousi

18:45 – 19:45 Oral Presentations

OP
17**PREDICTION OF TRAUMATIC BRAIN INJURY OUTCOME BY CALCULATING A VENTRICULAR SCORE IN INITIAL BRAIN SCANS****Splavski B.**¹, Rotim K.¹, Stanic D.¹, Bozic B.¹, Rotim A.²¹ Department of Neurosurgery, Sestre milosrdnice University Hospital Center, Zagreb, Croatia,² Department of Neurosurgery, Dubrava University Hospital, Zagreb, CroatiaOP
18**TRAUMATIC BRAIN INJURY MANAGEMENT IN THE INTENSIVE CARE UNIT: CURRENT GUIDELINES AND THERAPEUTIC STRATEGIES USED IN GREECE****Tsotsolis S.**¹, Nikoloudaki E.¹, Sarlis P.², Lavrentieva A.³, Foroglou N.²¹ Department of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece,² 1st Department of Neurosurgery, AHEPA University General Hospital, Thessaloniki, Greece, ³ A¹ ICU, Papanikolaou General Hospital, Thessaloniki, GreeceOP
19**TELEMETRIC INTRACRANIAL PRESSURE MONITORING IN 18 PATIENTS INVESTIGATED FOR INTRACRANIAL HYPERTENSION**Korfias S., **Banos S.**, Themistoklis K., Vlachakis E., Sakas D.E.¹ Department of Neurosurgery, National and Kapodistrian University of Athens, "Evangelismos" General Hospital, Athens, Greece.OP
20**EXTERNAL VENTRICULAR DRAINAGE-ASSOCIATED COMPLICATIONS IN A RETROSPECTIVE CASE-CONTROL STUDY AND REVIEW OF THE LITERATURE****Lambrianou X.**, Papasteriou V., Paschalis T., Gatos C., Fountas K.N.

Department of Neurosurgery, University Hospital of Larissa

OP
21**PERIOPERATIVE BRAIN EDEMA REGARDING MENINGIOMA RESECTION RELATES TO HIGH MORBIDITY AND MORTALITY****Antoniades E.**, Stamatiou S., Papadopoulou K., Patsalas I.

First Neurosurgical Clinic, AHEPA University Hospital of Thessaloniki

OP
22**VISUAL EVOKED POTENTIALS IN NEUROSURGERY****Kefalas D.**¹, Pérez-Fajardo G.²¹ Royal National Orthopaedic Hospital, London, UK, ² Hospital Universitario Reina Sofía, Cordoba, SpainOP
23**COMPLICATIONS RELATED TO THE SEMI-SITTING POSITION: EXPERIENCE OF VERONA NEUROSURGICAL DEPARTMENT****Drusiani D.**, Ceccaroni Y., Pinna G., Masotto B.

Neurosurgery Department, AOUI Verona



HALL ALEXANDROS I

19:45 – 21:30 Opening Ceremony – Neurosciences Session

Chairs: **A. Andreou, L. Rasulic**

19:45 – 20:00 Welcome Addresses

20:00– 20:15 Invasion of artificial intelligence in neurosurgery
N. Foroglou

20:15 – 20:30 Biophotonics in neurosurgery
A. Potapov

20:30 – 20:45 Advances in neuro-oncology
E. Razis

20:45 – 21:00 Brain mapping: From science to clinical applications
V. Kimiskidis

21:00 – 21:15 Next generation medical image computing technologies for neurosurgery
N. Chrisochoides

21:15 – 21:30 Smartphone, Parkinson's and Depression: A new prognostic perspective
L. Hadjileontiadis

HALL ALEXANDROS I

08:00 – 09:30 Craniocervical Junction - Skull Base Morning Session II
Chairs: **P. Stavrinou, P. Nomikos**08:00 – 08:15 Bone and soft tissue anatomy of CVJ
S. Stamatiou08:15 – 08:30 Presurgical radiological consideration of CVJ
K. Stoforou08:30 – 08:45 360 surgical anatomy of CVJ and surgical considerations
P. Theodosopoulos**08:45 – 09:30 Oral Presentations**OP
24**BINOSTRIL ENDOSCOPIC TRANSPHENOIDAL SURGERY FOR PITUITARY ADENOMAS: EXPERIENCE WITH 42 PATIENTS**Kapetanakis A., Stamatopoulos C., Veranis S., Sfikas S., Papageorgiou D.,
Karakostas C.*Department of Neurosurgery, 251 General Airforce Hospital, Athens, Greece*OP
25**UNILATERAL TRANSNASAL ENDOSCOPIC APPROACH FOR RESECTION OF SELLAR LESIONS: TECHNIQUE AND RESULTS****Kogias E.**^{1,2}, Fistouris P.¹¹ Department of Neurosurgery, University Medical Center Freiburg, Germany, ² Department of Neurosurgery, Cantonal Hospital of St. Gallen, SwitzerlandOP
26**FOLLOW UP STUDY OF 149 PATIENTS WITH ACROMEGALY TREATED WITH TRANSPHENOIDAL RESECTION OF A SECRETIVE GH PITUITARY ADENOMA BETWEEN 2003 AND 2013****Giannikopoulou F.**, Seretis A., Georgakoulis N.*Neurosurgical Department, General Hospital of Athens «G. Gennimatas»*OP
27**Withdrawn**OP
28a**NEUROSURGICAL STRATEGIES AND OPERATIVE RESULTS IN THE TREATMENT OF TUMORS OF OR EXTENDING TO THE PETROUS APEX****Stavrinou P.***Neurosurgical Department, University Hospital of Cologne, Germany*

HALL ALEXANDROS I

09:30 – 11:00 **Skull Base Session**

Chairs: **P. Selviarides, P. Vulekovic**

09:30– 09:45 Parasellar adenomas with special emphasis on medial mobilisation of anterior loop of intracavernous ICA to expose the lateral CS compartment - Technical issues and case series
R. Bosnjak

09:45– 10:00 The management of residual pituitary adenoma
P. Nomikos

10:00 – 10:15 Management of giant adenomas
N. Georgakoulias

10:15 – 10:30 Extended endoscopic skull base surgery
C. Georgalas

10:30 – 11:00 **Oral Presentations**

OP
28b

NEUROCOGNITIVE STATUS IS INFLUENCED BY IDH1 GENETIC MUTATION IN MALIGNANT GLIOMAS

Liouta E.^{1,2}, Kalyvas A.V.^{1,3}, Drosos E.¹, Koutsarnakis C.^{1,3}, Stranjalis G.^{1,2,3}
¹ Neurosurgery Department, Evangelismos Hospital, University of Athens, Greece, ² Hellenic Center for Neurosurgical Research, "Prof. Petros Kokkalis", Athens, Greece, ³ Athens Microneurosurgery Laboratory, Evangelismos Hospital, Athens, Greece

OP
28c

ELASTICITY OF INTRACRANIAL GLIOMAS: IS IT RELATED WITH THEIR HISTOPATHOLOGY?

Tsitlakidis A.¹, Kritis A.², Tsingotjidou A.³, Selviarides P.¹, Foroglou N.¹
¹ 1st Department of Neurosurgery, AHEPA University Hospital, Aristotle University of Thessaloniki, Greece, ² Laboratory of Physiology, School of Medicine, Aristotle University of Thessaloniki, Greece, ³ Laboratory of Anatomy, Histology and Embryology, School of Veterinary Medicine, Aristotle University of Thessaloniki, Greece

OP
28d

HIGH-FREQUENCY ULTRASOUND ELASTOGRAPHY COMBINED WITH ON LINE INFRARED SPECTROSCOPY IN A BRAIN TUMOUR PHANTOM

Karagiannis G.T.^{1,2}, Amanatiadis S.^{1,2}, Apostolidis G.¹
¹ "Ormylia" Foundation - Art Diagnosis Center, ² Diagnosis Multisystems

11:00 – 11:30 **Coffee Break**

HALL ALEXANDROS I

11:30 – 13:05

NeurovascularChairs: **N. Georgakoulias, I. Omerhodzic**

11:30 – 11:45

Early Brain Injury following Subarachnoid Hemorrhage
I. Solaroglu

11:45 – 12:00

Modern approaches in surgery of cerebral aneurysms in the acute rupture stage
S. Eliava

12:00 – 12:15

Surgical treatment of wide necked intracranial aneurysms
D. Djilvesi

12:15 – 12:30

Challenging clipped aneurysms
G. Georgoulis

12:30 – 12:45

Dural AV fistulas
V. Papanastassiou

12:45 – 12:55

Aneurysm registry in Greece
T. Papasilekas

12:55 – 13:05

Advances in minimally invasive surgical treatment of ICH
S. Komaitis

13:05 – 14:00

Light Lunch

14:00 – 15:30

Management of Challenging Spine SurgeryChairs: **I. Baltas, J. Lafuente**

14:00 – 14:15

Microsurgical treatment of intramedullary spinal cord tumors
K. Arnautovic

14:15 – 14:30

Low and high grade infection instrumentation
K. Paterakis

14:30 – 14:45

Adjacent level disc disease
A. Kapetanakis

14:45 – 15:00

Iatrogenic cervical instability
F. Sotiriou

15:00 – 15:15

Lumbar MISS and microscopic discectomy
A. Karagianni

15:15 – 15:30

Complication avoidance in cervical approaches
N. Chochlidakis

HALL ALEXANDROS I

15:30 – 16:30 **Functional Neurosurgery**
Chairs: **I. Magras, K. Rotim**

15:30 – 15:45 Present and future of DBS
C. Constantoyannis

15:45 – 16:00 DBS for movement disorders
S. Boviatsis

16:00 – 16:15 Emerging surgical tools in epilepsy
K. Fountas

16:15 – 16:30 Treatments adjustments and surgical complications of baclofen pumps
A. Rovlias

16:30 – 17:00 **Coffee Break**

17:00 – 18:15 **Pediatric Session**
Chairs: **I. Patsalas, P. Banczerowski**

17:00 – 17:15 Posterior fossa tumors at the pediatric age
I.S. Florian

17:15 – 17:30 Intramedullary tumors
S. Sgouros

17:30 – 17:45 Role of adjuvant chemotherapy in pediatric medulloblastomas
A. Tragiannidis

17:45 – 18:00 Surgical management of spinal dysraphism (25 years experience)
A. Chaparoski

18:00 – 18:15 Syndromic and non-syndromic craniosynostosis
M. Themistocleous

18:15 – 18:30 **Oral Presentations**

OP
56b

NEUROSURGICAL MANAGEMENT OF PAEDIATRIC BRAIN TUMORS: A SINGLE CENTER EXPERIENCE

Nikoloudaki E.¹, Tsotsolis S.¹, Sarlis P.², Patsalas I.², Foroglou N.²

¹ Department of Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece,

² 1st Department of Neurosurgery, AHEPA University General Hospital, Thessaloniki, Greece

OP
56c

PEDIATRIC BRAIN TUMORS, A RETROSPECTIVE STUDY

Lehel B.

Cluj County Emergency Neurosurgery Hospital

HALL AMFITRION I

11:30 – 12:30

Oral Presentations

Chairs: **A. Rovlias, P. Toullos, C. Gatos**OP
29**REVISION CORRECTIVE SURGERY FOR UNSUCCESSFULLY OPERATED NON - SYNDROMIC CRANIOSYNOSTOSIS****Alexandrou K.**, Panagopoulos K.
*Hellenic Craniofacial Center*OP
30**CASE REPORT: SURGICAL APPROACH TO BRAINSTEM LESIONS****Popa A. M.**, Florian S. I.
*Cluj County Emergency Hospital*OP
31

Will be presented as OP56b (see page 20)

OP
32

Will be presented as OP28b (see page 18)

OP
33**INTRAOPERATIVE FLOW CYTOMETRY MAY INDEPENDENTLY PREDICT POOR OVERALL SURVIVAL IN GLIOBLASTOMA****Alexiou G.**¹, Vartholomatos G.², Skiada D.¹, Mihos E.¹, Voulgaris S.¹¹ Department of Neurosurgery, University Hospital of Ioannina, Ioannina, Greece, ² Haematology Laboratory-Unit of Molecular Biology, University Hospital of Ioannina, Ioannina, GreeceOP
34

Will be presented as OP28c (see page 18)

OP
35**THE TEMOZOLOMIDE-DOXORUBICIN PARADOX IN GLIOBLASTOMA PRELIMINARY DRUG SCREENING****Oraipoulou M.E.**¹, Tzamali E.¹, Zacharakis G.², Sakkalis V.¹, Papamatheakis J.^{3,4}, Vakis A.F.^{5,6}¹ Institute of Computer Science, Foundation for Research and Technology-Hellas, Heraklion, Greece,² Institute of Electronic Structure and Laser, Foundation for Research and Technology-Hellas,Heraklion, Greece, ³ Institute of Molecular Biology and Biotechnology, Foundation for Researchand Technology-Hellas, Heraklion, Greece, ⁴ Department of Biology, University of Crete, Heraklion,Greece, ⁵ School of Medicine, University of Crete, Heraklion, Greece, ⁶ Neurosurgery Clinic, University General Hospital of Heraklion, GreeceOP
36**THE PHYSIOLOGICAL EFFECTS OF THE PROMYELOCYTIC LEUKEMIA PROTEIN ON GLIOBLASTOMA****Tampakaki M.**^{1,2}, Oraipoulou M.E.¹, Sakkalis V.¹, Zacharakis G.³, Vakis A.^{2,4}, Papamatheakis J.^{5,6}¹ Institute of Computer Science, Foundation for Research and Technology-Hellas, Heraklion, Greece,² School of Medicine, University of Crete, Heraklion, Greece, ³ Institute of Electronic Structureand Laser, Foundation for Research and Technology-Hellas, Heraklion, Greece, ⁴ NeurosurgeryClinic, University General Hospital of Heraklion, Crete, Greece, ⁵ Institute of Molecular Biology andBiotechnology, Foundation for Research and Technology-Hellas, Heraklion, Greece, ⁶ Department of Biology, University of Crete, Heraklion, Greece

HALL AMFITRION I

OP
37

ENDOSCOPIC SURGERY OF INTRAVENTRICULAR TUMOUR

Sufianov A.A.

Federal Center of Neurosurgery, Tiumen, First Medical Sechenov's University, Moscow, Federal Center of Neurosurgery, Tiumen, Russian Federation

OP
38

SURGERY OF BRAIN EPENDYMOMAS: LAST TWENTY YEARS EXPERIENCE OF A SINGLE CENTER

Fontana V., Gambatesa E., Pinna G., Masotto B.

Neurosurgical Department, AOUI Verona

OP
39

PRESENTATION OF A PATIENT CASE TREATED SURGICALLY FOR A LOWER CRANIAL NERVE NEUROMA COMPLICATED POSTOPERATIVELY WITH PSEUDOMENINGOCELE

Giannakopoulos N.¹, Karampouga M.², Faropoulos K.², Nicolaidis D.², Lamprou M.A.²

¹ Medical School, University of Cyprus, ² Neurosurgical Department, Nicosia General Hospital

OP
40

Will be presented as OP28d (see page 18)

13:00 – 14:00 Light Lunch

14:00 – 15:30 Resident's written competition

15:30 – 17:30 Oral Presentations
Chairs: **F. Sotiriou, K. Kouzelis**

OP
41

INTRADURAL SPINAL TUMORS: SURGICAL CONSIDERATIONS AND INSTITUTIONAL EXPERIENCE

Gajski D., Rotim K., Sajko T.

University Hospital Center Sestre milosrdnice, Zagreb, Croatia

OP
42

PRIMARY SPINE TUMORS. PRESENTATION OF A CASE SERIES

Tsoleka K., **Siasios I.**, Pourni P., Prassas A., Kotinopoulou M., Alexiadou C., Georgiadou T., Tsitouras V.

Neurosurgery Department, Papageorgiou General Hospital, Thessaloniki, Greece

OP
43

THE EXPERIENCE OF NEUROSURGICAL SERVICE OF UHT IN THE TREATMENT OF SPINAL TUMORS

Hodaj I., Olldashy F.

Service of Neurosurgery University Hospital of Trauma, Tirana, Albania

HALL AMFITRION I

OP
44**MOVEMENT RECOVERY FROM NEUROABLATIVE SELECTIVE SURGERY FOR DISABLING SPASTICITY TO FUNCTIONAL NEUROSURGERY OF THE SPINAL CORD****Milan R. D.**^{1,2}, Brown J.³¹ Baylor College of Medicine, Houston, TX, ² Foundation for Movement Recovery, Oslo, Norway, ³ Department of Neurosurgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USAOP
45**THE IMPACT OF WAR CONFLICTS IN THE DEVELOPMENT OF MODERN NEUROSURGERY****Kalaitzoglou D.**, Triantafyllidis A., Toullos P.

Neurosurgery Department, 424 General Military Training Hospital of Thessaloniki

OP
46**PREDICTION OF REHABILITATION FUNCTIONAL GAIN WITH THE CREATION OF A NEW TOOL - PREDICTION OF FUNCTIONAL INDEPENDENCE MEASURE (FIM) AT DISCHARGE****Bakas E.**, Vorniotakis P., Bikos G., Samarinas M.

Rehabilitation Center "Euromedica Arogi", Thessaloniki

OP
47**OVERVIEW ON VENTRICULOATRIAL SHUNT COMPLICATIONS IN THE TREATMENT OF PAEDIATRIC AND ADULT HYDROCEPHALUS****Morosanu C.O.**¹, Simonca L.², Liviu Ionut N.¹¹ Department of Neurosurgery, Southmead Hospital, North Bristol Trust, Bristol, United Kingdom,² Department of Paediatric Cardiology, Royal Hospital for Children, Bristol, United KingdomOP
48**VENTRICULOPERITONEAL SHUNT INSERTION: A 10-YEAR RETROSPECTIVE STUDY IN A SINGLE CENTER**Dominari A.¹, **Polyzoidis S.**², Patsalas I.²¹ Medical School of Aristotle University of Thessaloniki, Greece, ² 1st Department of Neurosurgery, AHEPA University Hospital, Aristotle University of Thessaloniki, GreeceOP
49**SURGICAL TREATMENT OF ACUTE SPONDYLODISCITIS****Lame A.**¹, Grada M.¹, Xhumari A.¹, Rroji A.², Petrela M.¹¹ Department of Neurosurgery, University Hospital Center "Mother Theresa", Tirana, Albania,² Department of Neuroradiology, University Hospital Center "Mother Theresa", Tirana, AlbaniaOP
50**HEMORRHAGIC LUMBAR SYNOVIAL CYSTS: REPORT OF TWO CASES AND LITERATURE REVIEW****Raftopoulou E.**¹, Giannakaki V.², Kesidis G.¹, Triantafyllou T.¹, Papapetrou K.¹¹ Neurosurgery Department, Lamia General Hospital, Lamia, Greece, ² Royal Victoria Infirmary, Newcastle upon Tyne, UKOP
51**LUMBAR ANGIOLIPOMA TREATED BY FULL INTERLAMINAR ENDOSCOPIC APPROACH****Ramalho Da Cunha M. R.**

Trauma Center, Natal, Brazil

OP
52**AGGRESSIVE HEMANGIOMA OF THE UPPER THORACIC SPINE - CASE REPORT****Milickovic S.**, Lalosevic V., Dozic D., Aleksic M.

Institute for Orthopaedic Surgery "Banjica", Belgrade, Serbia



HALL AMFITRION I

OP
53

RECURRENCE OF SPINE HYDATIDOSIS WITH INTRADURAL CYSTS AND PARAPLEGIA – A CASE REPORT

Aleksic M., Lalosevic V., Milickovic S., Dozic D.

Institute for Orthopaedic Surgical Diseases "Banjica", Belgrade, Serbia

OP
54

NEUROSURGERY AND TREPONEMA PALLIDUM INFECTIONS, AN UPDATE ON THE EVOLUTION OF THE NON-VENEREAL TREPONEMES: WE HAVE NOT WON OUR INDEPENDENCE FROM NATURE

Kunz A.¹, Breton J.M.²

¹ Harvard University, Extension School, ² Tufts University Medical School, Department of Neurosurgery

OP
55

PRESENTATION OF A PATIENT WITH CYSTICERCOSIS

Isaakidis D.¹, Kontojannis V.¹, Kollia N.², Papadopoulos E.¹, Boviatsis E.¹

¹ 2nd Neurosurgery and Neurotraumatology Clinic, Attikon University General Hospital, ² 2nd Neurology Clinic, Attikon University General Hospital

OP
56a

ASSESSING CALLS FOR NEUROSURGERY DURING FULL ON CALL DAYS

Korfias S., **Banos S.**, Oostra A., Chondrozoumaki A., Sakas D.E.

1st Department of Neurosurgery, National and Kapodistrian University of Athens, Evangelismos General Hospital, Athens, Greece

18:15 – 20:45 General Assembly and Elections

HALL ALEXANDROS I

08:00 – 09:00 Skull Base **Morning Session III**
 Chairs: **P. Tsitsopoulos, D. Pachatouridis**

08:00 – 08:15 Craniocervical junction pathological – radiological correlation
K. Kouskouras

08:15 – 08:30 Temporal and petrous skull base surgical anatomy
S. Lafazanos

08:30 – 08:45 Surgical approaches of anterior skull base: Pterional, subfrontal, OZ, orbital
S. Polyzoidis

08:45 – 09:00 Cavernous sinus approach, petrosectomy, retrosigmoid
C. Koutsarnakis

09:00 – 11:00 Multispecialty Management of Craniofacial Trauma - Neuro-Oncology
 Chairs: **E. Kampouridis, F. Olldash**

09:00 – 09:15 Beneath the mask of craniofacial trauma: A face
P. Foroglou

09:15 – 09:30 Maxillofacial and craniocerebral trauma: Epidemiologic and clinical correlations
G. Venetis

09:30 – 09:45 CNS complications in craniofacial injuries
T. Paleologos

09:45 – 10:00 Advanced visualization technology: Current trends and future fiction
D. Paraskevopoulos

10:00 – 10:15 Posterior fossa tumors: Our experience
R. Skomorac

10:15 – 10:30 Principles in the treatment of cerebral metastasis
V. Nikolov



HALL ALEXANDROS I

10:30 – 11:00 Oral Presentations

OP
57

SURFACE ANATOMY OF THE OCCIPITAL LOBE: AN ANATOMIC STUDY TOWARDS A UNIVERSAL NOMENCLATURE

Komaitis S.^{1,2,3}, **Drosos E.**^{1,2}, Neromyliotis E.², Koutsarnakis C.^{1,2,3}, Stranjalis G.^{1,2,3}
¹ Athens Microneurosurgery Laboratory, Athens, Greece, ² Academic Department of Neurosurgery, National and Kapodistrian University of Athens, Evangelimos Hospital, Athens, Greece, ³ Hellenic Center for Neurosurgical Research "Prof. Petros S. Kokkalis", Athens, Greece

OP
58

PARASAGITTAL MENINGIOMAS OCCLUDING COMPLETELY THE SUPERIOR SAGITTAL SINUS. STRATEGY FOR TOTAL REMOVAL AND THE EVENTUAL ROLE OF VENOUS RESTORATION WITH AUTOLOGOUS VENOUS GRAFT BYPASS

Georgoulis G., Georgis P. A., Zlatanov C. G., Georgakoulis N.
Department of Neurosurgery, General Hospital of Athens "G. Gennimatas", Athens, Greece

OP
59

CRANIOPLASTY WITH CUSTOM-MADE POLYMETHYLMETHACRYLATE IMPLANTS USING A 3-DIMENSIONAL PRINTING TECHNOLOGY

Papafragkos D., Zymaris S., Christopoulos M., Stefanides P., Kouzelis K.
Neurosurgery Department, Thrasio General Hospital

OP
60

IMPACT OF TIME TO INITIATION OF RADIOTHERAPY ON SURVIVAL AFTER RESECTION OF NEWLY DIAGNOSED GLIOBLASTOMA

Stavrinou P., Katsigiannis S.
Department of Neurosurgery, University Hospital of Cologne, Germany

11:00 – 11:30 Coffee Break

11:30 – 12:30 **Management of the Patient with Low Back Pain Syndrome**
Chairs: **N. Foroglou, E. Bakas**

11:30 – 11:45 Biomechanics and pathogenesis of lumbar pain of non radicular origin
T. Loizidis

11:45 – 12:00 Differential diagnosis of lumbar pain of non radicular origin
C. Katsiari

12:00 – 12:15 Development of body dysfunction due to low back pain syndrome – Functional imbalance
P. Vorniotakis – A. Gkouliovaki

12:15 – 12:30 Ergonomic and functional reeducation of the patient with low back pain syndrome - Recurrence prevention
E. Bakas

HALL ALEXANDROS I

12:30 – 13:45

Spine surgeryChairs: **S. Kottas, S. Stamatiou**

12:30 – 12:45

Biomechanical analysis of operational procedures of lumbar spine
B. Bozic

12:45 – 13:00

Posterior pedicle short fixation in thoracolumbar fractures
F. Oldashi

13:00 – 13:15

Evolution of treatment algorithms for metastatic spinal cord compression
K. Barkas

13:15 – 13:30

O-arm system in spine surgery. How it improves the surgical workflow
G. Kalostos

13:30 – 14:30

Light Lunch

14:30 – 16:00

Postoperative CNS InfectionChairs: **E. Karakosta, M. Spyrou**

14:30 – 14:45

Post craniotomy skin erosion
P. Panagiotou

14:45 – 15:00

Treatment of postoperative CNS infection
S. Metallidis

15:00 – 15:15

Current microbiological diagnosis of implant related neurosurgical infections
A. Stylianakis

15:15 – 15:30

Brain abscess
G. Alexiou

15:30 – 16:00

Closing Remarks



Scientific Program

13th Annual Neurosurgery
Nurses Meeting

* the program of the 13th Annual Neurosurgery Nurses Meeting is in Greek

HALL AMFITRION I

08:15 – 08:45 Registration

08:45 – 09:00 Welcome Addresses

09:00 – 09:30 Lecture – Organization and clinical anatomy of the central nervous system

Chair: **T. Martinopoulou**

Speaker: **S. Apostolidis**

09:30 – 10:30 Round Table - Awake Brain surgery

Chair: **G. Stranjalis**

09:30 – 09:50 What is an awake craniotomy. Indications and benefits
E. Drosos

09:50 – 10:10 Operating room nurse and the surgical preparation
P. Mpazani

10:10 – 10:30 Anaesthesia for the awake craniotomy. The role of the nurse anesthetist
V. Katsiaoni

10:30 – 11:00 Lecture – The role of Mentorship for nurses' resilience through transformational leadership

Chair: **A. Faitatzidou**

Speaker: **G. Manomenidis – T. Bellali**

11:00 – 11:30 Coffee Break

11:30 – 12:40 Round Table – The role of multidisciplinary approach during the journey of patients with TBI from hospital to rehabilitation

Chairs: **V. Misailidou, A. Faitatzidou**

11:30 – 11:45 The role and contribution of nurses to the care of patients with TBI
D. Kypirtidou

HALL AMFITRION I

11:45 – 12:00 Physiotherapy applications based on the clinical findings of patients with TBI
M. Kotzamanidou

12:00 – 12:15 Occupational interventions in patients with TBI
G. Kalogirou

12:15 – 12:30 The role of the speech therapist after TBI
K. Efrimidou

12:30 – 12:40 Discussion

12:40 – 13:00 Lecture – Approaching the workload of caretakers
Chair: **A. Samouka**
Speaker: **A. Bagala**

13:00 – 14:00 Light Lunch

14:00 – 15:00 Oral Presentations
Chair: **E. Theologou, E. Pagoni**

OPN
01

SUBARACHNOID HEMORRHAGE AND ITS TREATMENT IN THE EMERGENCY DEPARTMENT

Valiotti P.¹, Pagkou D.²

¹ Outpatient Department, AHEPA University Hospital of Thessaloniki. ² First Department of Neurosurgery, AHEPA University Hospital of Thessaloniki

OPN
02

NURSING CARE OF PATIENTS WITH SUBARACHNOID HAEMORRHAGE

Iliopoulou S., Karathanou D., Samouka A.

First Neurosurgery Clinic, Aristotle University of Thessaloniki, R.G.H.T. AHEPA

OPN
03

INTRACRANIAL ANEURYSM

Mavromatidis A.¹, Zianna M.¹, **Tsolakidou E.¹**, Soulioti O.¹, Vlahou A-A.²

¹ Neurosurgical Clinic, 424 General Military Training Hospital of Thessaloniki, ² Operating Theater, 424 General Military Training Hospital of Thessaloniki

OPN
04

THE PROBLEM OF HANDLING ANTITHROMBOTICS IN PATIENTS WITH INTRACRANIAL HEMORRHAGE (ICH) AND A HISTORY OF HEART DISEASE

Mourouglaki A., Theologou E., Kamari S., Tsitsopoulos P., Tsonidis C.

Second Neurosurgical Clinic of Aristotle University of Thessaloniki, Ippokratio General Hospital of Thessaloniki



* the program of the 13th Annual Neurosurgery Nurses Meeting is in Greek

HALL AMFITRION I

OPN
05

EARLY TREATMENT OF PERIOPERATIVE ARTERIAL HYPERTENSION IN NEUROSURGICAL CASES. NURSING APPROACH

Katsiaoni V.¹, Gerogiannis K.¹, Romana K.², Stranjalis G.³

¹ Nurses Department, Evangelismos Hospital, Athens, ² Anaesthesiology Department, Evangelismos Hospital, Athens, ³ Department of Neurosurgery, Evangelismos Hospital, Athens

OPN
06

NURSING CARE OF PATIENT WITH INTRACRANIAL PRESSURE CATHETER IN INTENSIVE CARE UNIT

Kallianidou K., Konstantinidou T., Pantou E., Alioga E., Tzilou E.
Anesthetists Department, AHEPA University Hospital, Thessaloniki

15:00 – 15:30 Lecture – Health and safety in the hospital work environment

Chair: **K. Zervaki**

Speaker: **P. Petridis**

15:30 – 17:00 Oral Presentations

Chair: **I. Sapountzis, E. Passa**

OPN
07

EXTENDED SURGICAL SITE INFECTION IN THE HEAD. PRESENTATION OF A CASE

Skouteli E., Leraki D., Tsitsipanis C., **Zervaki K.**
Department of Neurosurgery, PAGNI University Hospital of Crete

OPN
08

PREVENTION OF SURGICAL SITE INFECTION IN THE DEPARTMENT OF NEUROSURGERY OF PAGNI

Skouteli E., Leraki D., Tsitsipanis C., Zervaki K.
Department of Neurosurgery, PAGNI University Hospital of Crete

OPN
09

COMPARATIVE STUDY IN FOUR YEARS OF HEALTHCARE INFECTIONS IN THE DEPARTMENT OF NEUROSURGERY OF PAGNI

Skouteli E., Leraki D., Tsitsipanis C., Zervaki K.
Department of Neurosurgery, PAGNI University Hospital of Crete

OPN
10

THE SURGICAL NURSE'S ROLE IN NEUROENDOSCOPIC PROCEDURES*

Olldashi S., Pjetri M.

Service of Neurosurgery, University Hospital "Mother Theresa" Tirana, Albania

*The presentation is in English

HALL AMFITRION I

OPN
11**POST OPERATIVE CARE OF CRANIECTOMY. THE NURSING PERSPECTIVE**

Vasileiou E., Papakalousiou A., Paschalis T., Tzerefos C., Gatos C., Fountas K.N.
¹ Operation Room Section (OR), University Hospital of Larissa, Greece, ² Department of Neurosurgery, University Hospital of Larissa, Greece

OPN
12**LUMBAR DISK HERNIATION**

Mavromatidis A.¹, Zianna M.¹, Tsolakidou E.¹, Soulioti O.¹, Vlahou A.-A.²

¹ Department of Neurosurgery, 424 General Military Hospital of Thessaloniki, ² Operating Room, 424 General Military Training Hospital of Thessaloniki

OPN
13**PATIENT CARE WITH SPINE INJURY IN THE OPERATING THEATRE**

Tsompanidou M.

Tzaneio General Hospital of Piraeus

OPN
14**INVESTIGATION OF FACTORS DELAYING, POSTPONING AND CANCELING NEUROSURGICAL PROCEDURES AT AHEPA UNIVERSITY GENERAL HOSPITAL OF THESSALONIKI**

Karanikola E., Malama E., Martinopoulou T.

AHEPA University General Hospital of Thessaloniki

OPN
15**IMPLEMENTATION OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN PERIOPERATIVE NURSING**

Papadimitriou K., Mavromatidis S., Theodoridou E.

Papageorgiou General Hospital of Thessaloniki

17:00 – 17:30 Coffee Break

17:30 – 19:00 Workshop - Introduction to cranial and spine navigation





E-Posters

PP 01

ANTERIOR CERVICAL DISCECTOMY WITH FUSION IN PATIENTS WITH DEGENERATIVE CERVICAL DISC DISEASE**Almulla S.***Neuroscience Hospital, Baghdad, Iraq*

PP 02

MICROANATOMICAL CADAVERIC STUDY OF THE PARIETO-OCCIPITAL ARTERY (PoA): IMPLICATIONS IN SURGICAL APPROACHES OF THE PERITRIGONAL AREA.**Karakosta E.**^{1,2}, Mylonakis I.², Drosos E.¹, Stranjalis G.¹, Kalamatianos T.¹¹ Athens Microneurosurgery Laboratory, Department of Neurosurgery, Evangelismos Hospital, Athens, Greece, ² Department of Neurosurgery, KAT General Hospital, Athens, Greece

PP 03

EXPANSIVE LAMINOPLASTY IN MULTILEVEL THORACIC MYELOPATHY ASSOCIATED WITH HEREDITARY X-LINKED HYPOPHOSPHATEMIA (XLH): CASE REPORT**Karakosta E.**, Mylonakis I., Apostolakis S., Mitropoulos A., Vlachos K.*Department of Neurosurgery, KAT General Hospital, Athens, Greece*

PP 04

SURGICAL CNS INFECTIONS**Mylonakis I.**, Filias P., Apostolakis S., Karagianni A., Mitropoulos A., Bairaktaris A., Vlachos K., Roussos L.*Department of Neurosurgery, KAT General Hospital, Kifisia, Greece*

PP 05

GANGLIOGLIOMA IN THE THIRD VENTRICLE. CASE REPORT**Karagianni A.**¹, Apostolakis S.¹, Tsagas A.², Filias P.¹, Mylonakis I.¹, Mitropoulos A.¹, Diamantopoulou K.², Vlachos K.¹¹ Department of Neurosurgery, KAT General Hospital, Kifisia, Greece, ² Pathology Laboratory, KAT General Hospital, Kifisia, Greece

PP 06

PRIMARY MALIGNANT SCHWANNOMA OF THE BRACHIAL PLEXUS CAUSING MONOPLÉGIA**Antoniades E.**¹, Schizas N.², Sarlis P.¹, Lazopoulos A.², Barbetakis N.²¹ First Neurosurgical Clinic, AHEPA University Hospital, Thessaloniki, Greece, ² Thoracic Surgery Department, Theagenio Cancer Hospital, Thessaloniki, Greece

PP 07

TENSION PNEUMOCEPHALUS COMPLICATING PANCOAST TUMOR RESECTION**Antoniades E.**¹, Krimiotis D.², Sarlis P.¹, Gogakos A.², Barbetakis N.²¹ First Neurosurgical Clinic, AHEPA University Hospital, Thessaloniki, Greece, ² Thoracic Surgery Department, Theagenio Cancer Hospital, Thessaloniki, Greece

PP 08

ORIGINAL (MODIFIED "IN-WINDOW" TECHNIQUE) FOR DECOMPRESSIVE CRANIOTOMY (DC) FOR SEVERE TRAUMA BRAIN INJURY IS EQUALLY EFFECTIVE AS CLASSIC DECOMPRESSIVE CRANIOTOMY AND WITH NO NEED FOR CRANIOPLASTY**Jovanović M. J.**³, Ljiljana V.^{1,2}, Vesna S.³¹ Department of Neurosurgery, Belgrade, Clinical Center of Serbia, ² Faculty of Medicine, University of Belgrade, Serbia, ³ Department of Neurosurgery, General Hospital of Cuprija

PP 09

ACUTE SPONTANEOUS SUBDURAL HEMATOMA: A REPORT OF SIX CASES AND REVIEW OF KNOWLEDGE**Tsoukaras I.**², Alexandrou Z.², Pavlidis E.², Tsitsipanis C.^{1,2}, Vakis A.^{1,2}¹ Department of Neurosurgery, University General Hospital of Heraklion, Heraklion, Greece, ² School of Medicine, University of Crete, Heraklion, Greece

PP 10

BLOOD GLUCOSE LEVELS TO AVOID CT SCAN IN PATIENTS WITH MINOR HEAD TRAUMA**Sotiropoulos A.**, Alexiou G.A., Metaxas D., Pachatouridis D., Voulgaris S.
Department of Neurosurgery, University Hospital of Ioannina, Ioannina, Greece

PP 11

ANTERIOR ATLAS ASSIMILATION ASSOCIATED WITH TYPE I BASILAR INVAGINATION AND HIGH CERVICAL MYELOPATHY POSTERIOR OCCIPITOCERVICAL FUSION PLUS C 1 DECOMPRESSIVE LAMINECTOMY AND FORAMEN MAGNUM DECOMPRESSION**Paraskeva K.**, Dragoumis D., Klitsinikos D., Siwzos T., Baltas I.
"G. Papanikolaou" General Hospital of Thessaloniki

PP 12

THE COMPLEX SURGICAL TREATMENT OF CII VERTEBRAL BODY TUMORS**Banczerowski P.**^{1,3}, Czegléczki G.^{1,3}, Padányi C.¹, Szikora I.², Marosfői M.², Papp Z.¹
¹ National Institute of Clinical Neurosciences, Department of Spine Surgery, Budapest, ² National Institute of Clinical Neurosciences, Department of Interventional Neuroradiology, Budapest, ³ Semmelweis University, Faculty of Medicine, Department of Neurosurgery, Budapest

PP 13

PROGNOSTIC FACTORS OF SURGICAL OUTCOME IN SPINAL METASTASES - OVERVIEW OF 337 CASES**Banczerowski P.**^{1,2}, Pollner P.³, Horváth A.⁴, Mezei T.^{1,2}, Czegléczki G.^{1,2}
¹ National Institute of Clinical Neurosciences, Budapest, Hungary, ² Semmelweis University Faculty of Medicine, Department of Neurosurgery, Budapest, Hungary, ³ MTA-ELTE Statistical and Biological Physics Research Group, Budapest, Hungary, ⁴ 3rd Department of Internal Medicine, Budapest, Hungary

PP 14

PREOPERATIVE EMBOLIZATION OF BRAIN TUMORS: A SERIES OF 11 PATIENTSTheofanopoulos A., **Papadakos D.**, Panagiotopoulos V., Zambakis P., Constantoyannis C.
Department of Neurosurgery and Interventional Radiology, Patras Medical School, Patras, Greece

PP 15

CERVICAL SPINE SCHWANNOMA; A CASE REPORTKesidis G., **Raftopoulou E.**, Markopoulos S., Triantafyllou T., Papapetrou K.
Neurosurgery Department, Lamia General Hospital

PP 16

CEREBRAL LYMPHOMA BURKITT, PRESENTATION OF A RARE CASEKesidis G., **Raftopoulou E.**, Markopoulos S., Triantafyllou T., Papapetrou K.
Neurosurgery Department, General Hospital of Lamia

PP 17

CASE REPORT OF A LONG TERM SURVIVAL IN A PATIENT WITH MGMT METH/IDH-1 MUTATION ANAPLASTIC OLIGODENDROGLIOMA WHO GR III**Shuntov B.**¹, Chaparoski A.¹, Filipce V.¹, Rendeovski V.¹, Mircevski V.¹, Sumkovski R.¹, Kostov M.¹, Gavrilovska A.¹, Zupanovski A.¹, Elezi F.¹, Kamiloski T.¹, Kocevski I.¹, Gjorgjievska A.¹, Mircevski M.M.¹, Asani A.¹, Veljanovski H.¹, Jolevska K.¹, Cokleska N.²
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Department of Neurosurgery, GNA G. Gennimatas

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University clinic of Neurosurgery Skopje, Medical faculty University St. Cyril and Methodius, Mother Theresa

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Zika J., Alexiou G.A., Nasios A., Michos E., Voulgaris S.
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Sapountzis I.¹, Derou B.¹, Bekri D.¹, Giannikopoulou E.², Georgakoulias N.¹
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PPN 3

POSITIONING OF PATIENT DURING NEUROSURGERY-RISKS AND BENEFITS

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PPN 4

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General Information

**Scientific Program Information
& General Information**

Exhibition Floorplan

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ORAL PRESENTATIONS (NEUROSURGERY CONGRESS)

The duration for each presentation is 8 minutes (6 minutes' presentation and 2 minutes for questions - discussion). Presentation times will be strictly maintained.

ORAL PRESENTATIONS (NURSES MEETING)

The duration for each presentation is 10 minutes (8 minutes' presentation and 2 minutes for questions - discussion). Presentation times will be strictly maintained.

E-POSTERS

E-Posters are the electronic-digital version of printed posters, which will be presented via monitors, in the e-Poster designated area, the Web Lounge.

ABSTRACTS CD

All accepted abstracts presented during the Congress will be handed to participants in electronic format. The abstracts CD will be given along with the final program in the congress bag.

ADMISSION BADGES

The badge should be worn by all participants and members of the faculty, at all times during the congress, in the exhibition area and within other areas of the congress.

It is mandatory for all participants to wear their congress badge, so that their participation times are monitored, in order to collect their certificates of attendance and be considered for the "G. Balabani" Award. Moreover, only those wearing their individual badge will be admitted to the scientific sessions and to the exhibition area.

WEB LOUNGE - ELECTRONIC EVALUATION AREA

In the Web Lounge area, participants can also complete the electronic evaluation, which is necessary in order to receive the certificate of attendance.

CERTIFICATE OF ATTENDANCE

Participants can receive their certificate of attendance from the registration desk. To receive the certificate of attendance it is mandatory for each participant to complete the evaluation and to show the admission badge. **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 (20 hours).**

PRESENTATIONS RECEPTION DESK

The presentations reception desk will be available for the duration of the congress to receive the speakers' presentations. Speakers are required to deliver their presentations (USB stick or CD-ROM) on-time, at least one (1) hour before the start of their lecture.

CONGRESS SECRETARIAT SERVICE HOURS

Thursday 27 June 2019	11:00 - 19:30
Friday 28 June 2019	07:30 - 21:30
Saturday 29 June 2019	07:30 - 18:30
Sunday 30 June 2019	07:30 - 16:00

LANGUAGE

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

REGISTRATION INFORMATION

Registration Category	Registration Fee
Neurosurgeons	270,00 €
Neurosurgeons - HNS Members*	220,00 €
Residents	170,00 €
Residents - HNS Members*	100,00 €
Other Specialties	150,00 €
Nurses	100,00 €
Students**	40,00 €

European VAT Rules apply

Above registration fees include:

- > Access to the scientific sessions
- > Access to the exhibition area
- > Congress Material, including final program

* Applies to financially updated HNS members only

**All students are required to present their student identification card to the congress secretariat upon registration. They will receive their certificate of attendance only after having attended at least 75% of the Scientific Program.



HALLS

Services	Hall
Main Hall	ALEXANDROS I
Parallel Hall	AMFITRION I
E-Poster Area	FOYER ALEXANDROS
Exhibition	ALEXANDROS II & FOYER ALEXANDROS
Congress Secretariat	FOYER ALEXANDROS
Presentations Reception Desk	FOYER ALEXANDROS
Web Lounge/Electronic Evaluation Area	FOYER ALEXANDROS
Coffee Breaks/Lunches	ALEXANDROS II & FOYER ALEXANDROS

“G. BALABANI” AWARD *New Addition!*

To the 2 champions of attendance based exclusively on badge scanning, 2 top ranked neurosurgical books from Thieme will be delivered during the closing ceremony. This is a chance for participants to profit the maximum of their attendance. Every minute counts. The prize is delivered in memory of our young colleague G. Balabanis.

“GEORGE FOROGLOU” AWARD AND “CHRISTOS ANTONIADIS” AWARD

These prizes are awarded to the top two ranked competitors of the Annual Written Examination, which is organized by the Hellenic Neurosurgical Society. The prize is 1.000€ for each of the winners and is intended to sponsor their participation in one of the EANS scientific events.

Requirements:

1. Candidates must not be over 38 years old
2. Candidates may be residents in a nationally recognized Neurosurgery residency program
3. Candidates may be young specialists (up to 5 years after being Board certified) practicing in Greece

The competition takes place during the annual congress and includes a multiple-choice written exam, in Greek. The exam is organized by the Scientific Committee of the Hellenic Neurosurgical, under the guidance and supervision of the Associate Professor Nicolas Foroglou.

The winners will be announced during the congress Gala dinner, by the President of the Hellenic Neurosurgical Society.

“ZACHARIAS KAPSALAKIS” AWARD

This prize is awarded to the best oral presentation of a clinical study or clinical research, presented during the annual congress by a Neurosurgery Resident or young specialist (younger than 45 years).

The award will be given after deliberation of the designated award committee, which will be comprised of Mr. Nicolas Foroglou (President of the Hellenic Neurosurgical Society), Mr. Moschos Fratzoglou (Secretary of the Hellenic Neurosurgical Society) and Mr. Konstantinos Fountas (Award Sponsor).

AWARDS FOR BEST ORAL & POSTER PRESENTATION

Two (2) awards will be given to the best presentations: first for the best oral presentation and second for the best e-poster. Both will be selected from the Scientific Committee of the Congress.

The awards will be announced during the congress Gala Dinner, on Saturday 29th of June 2019.





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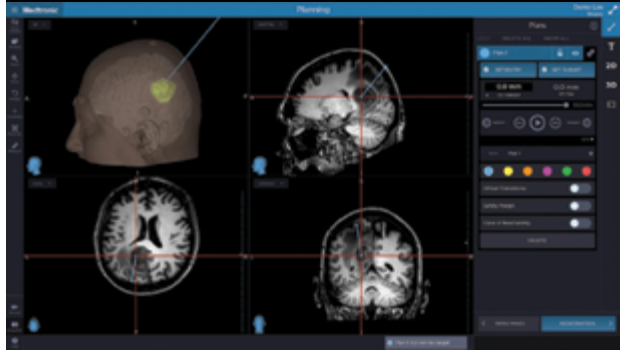
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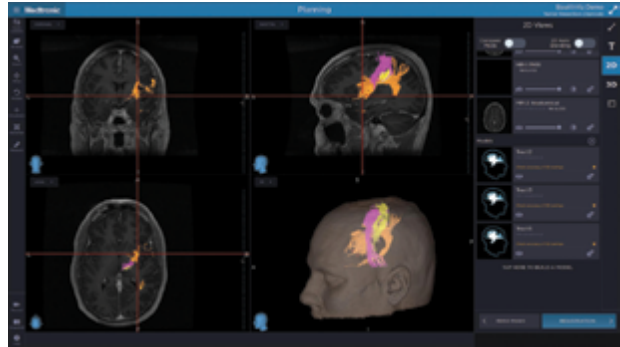
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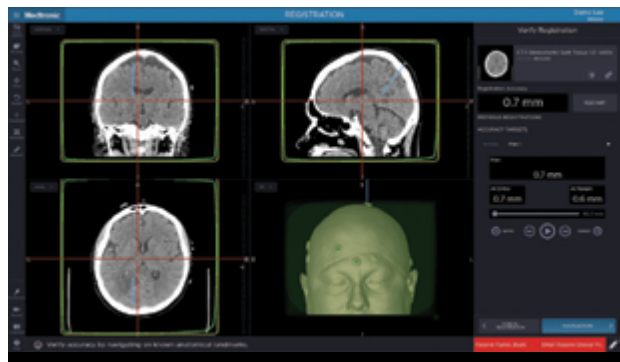
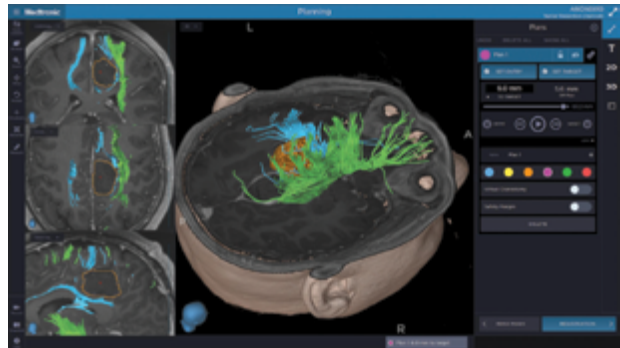
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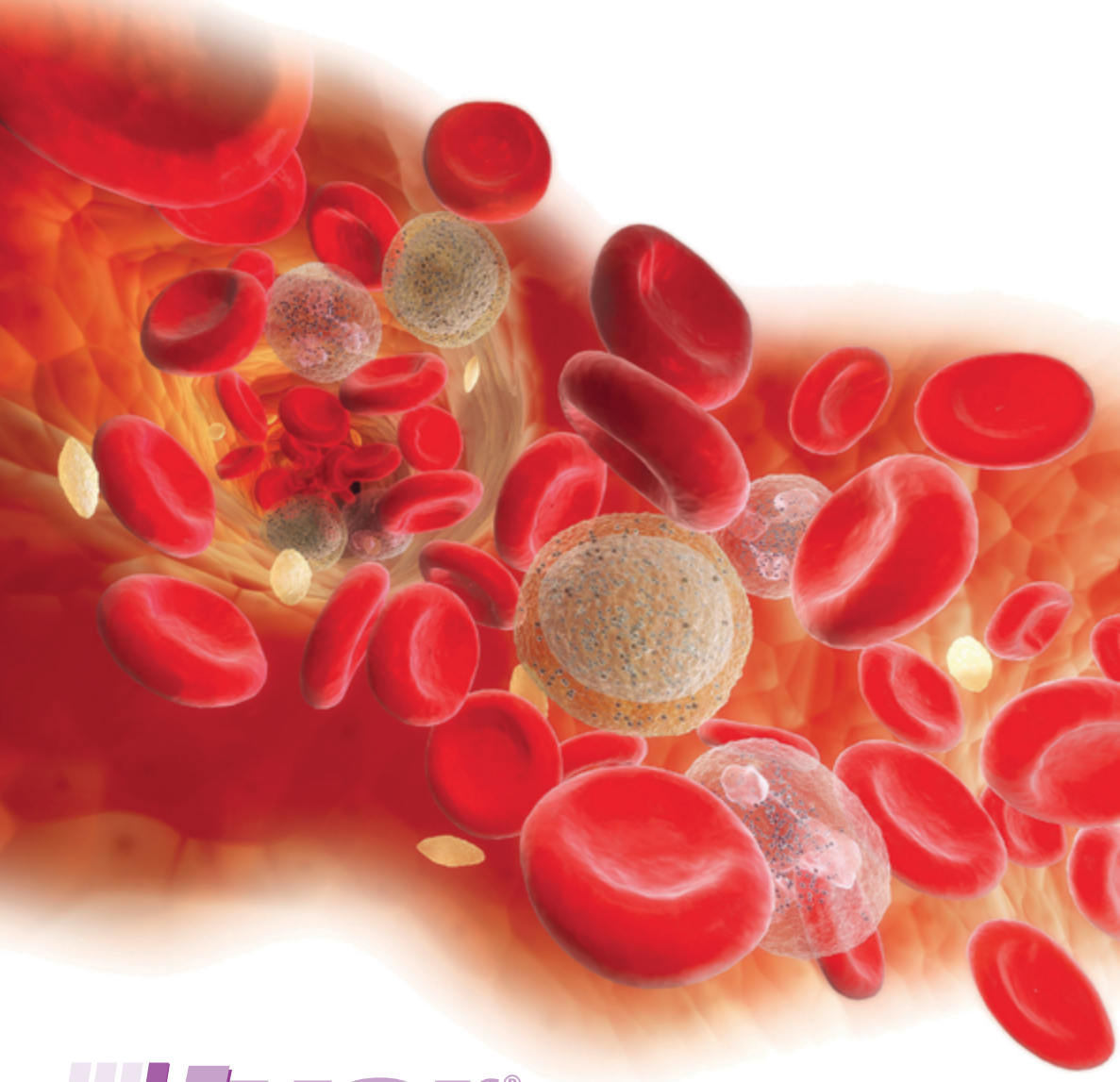
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