

# CURRICULUM VITAE

Ioannis Karampelas, MD

June 2020

## EDUCATION:

- 09/1977- 06/1983  
Erasmeios Hellenic-German Primary School, Marousi Attikis, Athens, Greece
- 09/1983- 06/1989  
Varvakios Experimental Gymnasium and Lyceum, Psychiko, Athens, Greece
- 09/ 1990- 09/ 1996  
Semmelweis University Medical School, English Program, Budapest, Hungary

## MEDICAL REGISTRATION/LICENSURE:

- General Medical Council- UK (2000), Specialist Register - Neurosurgery (April 2011)
- Licensed Neurosurgeon in the state of OR, AZ, CO, ND, MN, OH, PA, GA, VA, NC, SC

## QUALIFICATIONS:

- ABNS Neurological Surgeon
- The American Board of Neurological Surgery Certification Examination Score:
  - 2009: 535 (63rd percentile)
  - 2010: 673 (94th percentile)
  - 2011: 751 (100th percentile)
- Specialty Examination in Neurosurgery- Certification of Full Training  
The Hellenic Board of Neurosurgery - December 2009
- MD Summa Cum Laude 1996 - Valedictorian Graduate (GPA: 4.91 / 5.00)  
Semmelweis University Medical School, Budapest, Hungary
- ECFMG Certificate 2003 - Valid Indefinitely [ID Number: 0-521-401-0]
- ABSITE Exam - The American Board of Surgery (2008): 76<sup>th</sup> Percentile
- ATLS Certificate - The American College of Surgeons (2001, 2007)
- PHTLS Certificate - The American College of Surgeons/ NAEMT (2002)
- FCCS Certificate- The Society for Critical Care Medicine (2003)
- ACLS Certificate- The American Heart Association (2003, 2007)
- PALS Certificate- The American Heart Association/  
The American Academy of Pediatrics (2004)
- BLS Certificate- UK (2016)

## PROFESSIONAL SOCIETIES' MEMBERSHIPS:

- Congress of Neurological Surgeons, Active Member (2014)
- American Association of Neurological Surgeons  
Active Member (2018)
- American Association of Neurological Surgeons  
Section on Tumors, (2018)
- American Association of Neurological Surgeons  
Section on Pediatric Neurological Surgery, Resident Member (2009)
- American Association of Neurological Surgeons, Resident Member (2008)
- Neurocritical Care Society (2003)

## PRIZES AND DISTINCTIONS:

- 1991 1<sup>st</sup> prize, Final Competition in Biophysics, Department of Biophysics
- 1992 1<sup>st</sup> prize, Final Competition in Anatomy, Department of Anatomy
- 1992 1<sup>st</sup> prize, Final Competition in Physiology, Department of Physiology
- 1995 1<sup>st</sup> prize, Annual Congress of the Association of University Research Students  
Semmelweis University Medical School, Budapest, Hungary

## RESEARCH GRANTS AND SCHOLARSHIPS:

- **2006 PEDIATRIC BRAIN TUMOR FOUNDATION, USA**  
"Convection-Enhanced Delivery of Recombinant Immunotoxin 8H9-PE38 for the  
Treatment of Pediatric Infiltrative Brainstem Tumors"  
PI: Dr. Mark Souweidane, Dept. of Neurological Surgery  
Weill Medical College of Cornell University, New York, NY, USA
- **2002 NATIONAL NEUROSCIENCE SCHOLARSHIPS' FOUNDATION,  
GREECE**  
"Ionic and molecular basis of neuronal hyperexcitation during  
epileptic seizures "  
(Experimental model: Rat Hippocampal Slice Electrophysiology.  
Extra- and Intracellular Potential Measurements via Pt Electrodes)

## UNDERGRADUATE LABORATORY AND TEACHING EXPERIENCE:

- 1992 - 1996  
**Research Medical Student**  
Laboratory of Neuromorphology  
Semmelweis University Medical School, Budapest, Hungary
- 1992 - 1995  
**Teaching Assistant**  
Gross and microscopic anatomy, neuroanatomy and neuroembryology  
Department of Anatomy  
Semmelweis University Medical School, Budapest, Hungary

## WORK HISTORY:

- **08/2019 – to date**  
*Attending Neurosurgeon*  
North Colorado Medical Centre, Greeley, CO, 80631
- 07/ 2017 – 07/2019  
*Attending Neurosurgeon*  
St Cloud Hospital, CentraCare Health, St Cloud, MN, USA
- 01/2016 – 06/2017 and **08/2019 to date**  
*Consultant Neurosurgeon*  
Euroclinic Private Hospital, Athens, Greece
- 08/2014– 11/2015  
*Consultant Neurosurgeon*  
Department of Neurological Surgery  
“G. Gennimatas” Hospital  
Athens, Greece  
*Director: Dr. Panayiotis Sioutos*
- 07/ 2008 – 06/2014  
*Resident/Chief Resident*  
Department of Neurological Surgery  
Case Western Reserve School of Medicine  
University Hospitals of Cleveland, Cleveland, OH, USA  
*Chairman: Warren Selman, MD FACS*
- 07/ 2007 – 06/2008:  
*General Surgery Intern*  
Department of Surgery, New York Medical College  
St Vincent’s Hospital Manhattan, New York, NY, USA  
*Director: Christopher Mills, MD FACS*
- 07/2006 – 06/2007:  
*Postdoctoral Research Associate*  
Department of Neurological Surgery  
The Weill Medical College of Cornell University, New York, NY, USA  
*Supervisor: Mark M. Souweidane MD*
- 07/2005 – 06/2006:  
*Neurosurgical Oncology and Gamma-Knife Radiosurgery Fellow*  
Department of Neurosurgery, Roswell Park Cancer Institute, Buffalo, NY, USA  
*Director: Robert A. Fenstermaker MD FACS*

- 07/2004 – 06/2005:  
*Neurosurgery Fellow*  
Department of Neurosurgery New York Medical College,  
St Vincent's Hospital Manhattan, New York, NY, USA  
*Director: Alan Hirschfeld MD FACS*
- 09/2003 – 06/2004:  
*Neurosurgery Fellow*  
The Georgia Neurosurgical Institute, P.A.  
The Medical Centre of Central Georgia, Macon, GA, USA  
*Director: Joe Sam Robinson Jr. MD FACS*
- 01. 2002 – 06. 2003:  
*Neurosurgery Resident*  
Department of Neurosurgery, Evangelismos Hospital  
University of Athens School of Medicine, Athens, Greece  
*Director: Damianos E. Sakas, MD*
- 11. 2000 – 12. 2001:  
*General Surgery Intern*  
Department of General Surgery “P. & A. Kyriakou” Hospital, Athens, Greece  
*Director: Konstantinos Skondras MD*
- 01. 1999 – 05. 2000:  
*Senior House Officer*  
District General Hospital of Chalkis, Evia, Greece
- 05/1997 – 11/1998  
*Mandatory Greek Army Service*
- 10/1996– 04/1997  
*Greek State Medical License: mandatory practice and examination*
- 09/1996  
**Medical School Graduation, MD degree**

#### **SENIOR ROTATIONS ABROAD:**

- 05. 1996 – 07. 1996  
The Royal Infirmary of Edinburgh, Edinburgh, UK  
University Department of Surgery  
**Chairman:** Prof. Sir David Carter MD FRCS FRSE  
*Consultant:* Mr Simon Paterson-Brown MD MS FRCS
- 10. 1995 –11. 1995  
The Hospital for Sick Children, Toronto, Canada  
Department of Hematology - Oncology  
**Chairman:** Prof. Alvin Zipursky MD FRCP(C)  
*Consultant:* Dr. Sheila Weitzman MD FRCP(C)

## LEISURE INTERESTS:

Euclidean Geometry exercise solving, Swimming, Calisthenics, Piano playing, Classical Music, Literature

## PUBLICATIONS:

### **Book Chapters:**

Laser-Induced Interstitial Thermotherapy of Gliomas.

**Karampelas I**, Sloan AE.

**Prog Neurol Surg.** 2018; 32: 14-26.

### **Peer-Reviewed Journal Articles:**

A Role for Sox2 in the Adult Cerebellum.

Mandalos NP, **Karampelas I**, Saridaki M, McKay RDG, Cohen ML, Remboutsika E.

**J Stem Cell Res Ther.** 2018; 8(7).

Variants of the elastin (ELN) gene and susceptibility to intracranial aneurysm: a synthesis of genetic association studies using a genetic model-free approach.

Paterakis K, Koutsias S, Doxani C, Xanthopoulou P, Kokkali C, Mpoulimari I,

Tziastoudi M, **Karampelas I**, Dardiotis E, Hadjigeorgiou G, Brotis AG, Zintzaras E.

**Int J Neurosci.** 2016 Aug 14:1-6.

Sox2 acts as a rheostat of epithelial to mesenchymal transition during neural crest development.

Mandalos N, Rhinn M, Granchi Z, **Karampelas I**, Mitsiadis T, Economides AN, Dollé P, Remboutsika E

**Front Physiol.** 2014 Sep 12;5:345

Translabyrinthine resection of small intracanalicular acoustic tumor.

**Karampelas I**, Wick C, Semaan M, Megerian CA, Bambakidis NC.

**Neurosurg Focus.** 2014 Jan;36(1 Suppl):1

Petroclival meningiomas: an update on surgical approaches, decision making, and treatment results.

Xu F, **Karampelas I**, Megerian CA, Selman WR, Bambakidis NC

**Neurosurg Focus.** 2013 Dec;35(6):E11.

Improvement of neurological recovery and stimulation of neural progenitor cell proliferation by intrathecal administration of Sonic hedgehog.

Bambakidis NC, Petrullis M, Kui X, Rothstein B, **Karampelas I**, Kuang Y, Selman WR, LaManna JC, Miller RH.

**J Neurosurg.** 2012 May;116(5):1114-20. Epub 2012 Feb 10.

Interstitial infusion of glioma-targeted recombinant immunotoxin 8H9scFv-PE38.  
Luther N, Cheung N-K, Souliopoulos EP, **Karampelas I**, Bassiri D, Edgar MA, Guo HF, Pastan I, Gutin PH, Souweidane MM  
**Mol Cancer Ther**2010;9:1039-46

Interstitial infusion of erlotinib in the rodent brain  
Luther N, **Karampelas I**, Souliopoulos N, Edger MA, Bookvar JA, Souweidane MM  
**J Exp Ther Oncol** 2009 8 (2) 79-84

Subthalamic nucleus breast metastasis causing hemichorea-hemiballism treated by gamma-knife stereotactic radiosurgery  
**Karampelas I**, Podgorsak MB, Plunkett RJ, Fenstermaker RA  
**Acta Neurochirurg**2008 150 (4) 395-6

Aggressive relapse of multiple myeloma with intracerebral extension and associated hemorrhage  
Reddy N, **Karampelas I**, Chanan-Khan A, Fenstermaker R, Padmanabhan S  
**Leuk Lymphoma**. 2007 Jun (6): 1228-30

Diagnosis and conservative management of an arteriovenous fistula of the scalp following awake craniotomy for tumour resection  
**Karampelas I**, Kuensting JM, Cole PM, Fenstermaker RA  
**Acta Neurochirurg** 2007 149(7): 727-8

Intratumoral hemorrhage after remote subtotal microsurgical resection and gamma knife radiosurgery for vestibular schwannoma  
**Karampelas I**, Alberico RA, Plunkett RJ, Fenstermaker RA  
**Acta Neurochirurg** 2007 149(3): 313-317

Review of the literature regarding the relationship of rebleeding and external ventricular drainage in patients with subarachnoid hemorrhage of aneurismal origin.  
Fountas KN, Kapsalaki EZ, Machinis T, **Karampelas I**, Smisson HF, Robinson JS.  
**Neurosurg Rev**. 2006 Jan;29(1):14-8; discussion 19-20.

Quantitative pupillometry: normative data in healthy pediatric volunteers  
Boev AN, Fountas KN, **Karampelas I**, Boev C, Machinis TG, Feltes C, Okosun I, Dimopoulos V, Troup C.  
**J Neurosurg** 2005 Dec;103(6 Suppl):496-500

Adult paravertebral pleomorphic rhabdomyosarcoma infiltrating diffusely the whole spinal axis  
Fountas KN, Donner RS, Nikolakakos LG, Feltes CH, **Karampelas I**, Robinson JS Jr  
**Journal of Neurosurgery: Spine** 2005 2: 344-348

Primitive supratentorial neuroectodermal tumor in an adult.  
Kouyialis AT, Boviatsis EI, **Karampelas I**, Korfias S, Korkolopoulou P, Sakas DE.  
**J Clin Neurosci**. 2005 May;12(4):492-5.

Results of long-term follow-up in patients undergoing anterior screw fixation for type II and rostral type III odontoid fractures  
Fountas KN, Kapsalaki EZ, **Karampelas I**, Felters CH, Dimopoulos VG, Nikolakakos LG, Boev AN, Choudri H, Smisson HF, Robinson JS Jr  
**Spine** 2005 30: 661-669

Primary spinal cord oligodendroglioma: Case report and review of the literature  
Fountas KN, **Karampelas I**, Nikolakakos LG, Troup EC, Robinson JS Jr  
**Child's Nerv Syst** 2005 21: 171-175

Sciatica: A historical perspective on early views of a distinct medical syndrome  
**Karampelas I**, Boev A, Fountas KN, Robinson JS Jr  
**Neurosurg Focus** 2004 16(1): E6

Emergency room neurosurgery: modern time errors.  
**Karampelas I**, Fountas KN.  
**South Med J.** 2004 Nov;97(11):1066-7.

#### **ORAL PRESENTATIONS:**

- 1) Safety of interstitial infusion of 8H9-PE38 to the pons for application in a glioma model**  
Luther N, **Karampelas Ioannis**, Cheung N V, Dunkel IJ, Edgar MA, Gutin PH, Souweidane MM  
**37<sup>TH</sup> Annual Meeting of the AANS/CNS section of Pediatric Neurosurgery,**  
**Spokane, Washington, WA 2008**
  
- 2) Efficiency and Surgical Safety in Clipping of Cerebral Aneurysms using a preoperative 3D-interactive Surgery Rehearsal Platform (SRP)**  
**Ioannis Karampelas**, Sunil Manjila, Shakeel Chowdhry, Moty Avisar, Alon Geri, Martha Sajatovic, Curtis Tatsuoka, Andrew E Sloan, Nicholas C Bambakidis, Warren R Selman  
**Ohio State Neurosurgical Society Meeting, Columbus, OH 2013**