

Theodosios Kalamatianos BSc MSc PhD

Personal Data

Date of Birth: 8 October 1973
Place of Birth: Athens, Greece
Nationality: Greek
Work Address: Office K11.106α
Ag. Spyridonos str, Egaleo Postal code 12243, Athens, Greece
Contact Tel: +30 6949514446
Email: tkalamatianos@uniwa.gr

UNIVERSITY POSITIONS

2004-2009: Post-doctoral Research Associate. Biomedical and Health Sciences. King's College London, London U.K

2011-2018: Post-doctoral Research Associate, Department of Neurosurgery, Medical School, National and Kapodistrian University of Athens, Greece

2019-: Academic Fellow (Adjunct Faculty Member), Senior Researcher Department of Neurosurgery, Medical School, National and Kapodistrian University of Athens, Greece

2024-: Assistant Professor, Department of Biomedical Engineering, University of West Attica

UNIVERSITY EDUCATION

Bachelor of Science (B.Sc) Clinical Biochemistry. Royal Holloway, University of London, London U.K (1994, 2:1 honours)

Master of Science (M.Sc.) Neurological Science. University College London, London U.K (1995). MSc Thesis title: "Distribution of expression of a novel peripheral neuron specific villin-like protein".

Doctor of Philosophy (Ph.D.) Neuroscience. King's College London, London U.K (2004). PhD Thesis Title: "Peptide and peptide receptor gene expression in the diencephalon of rats and mice: neuroanatomical insights into circadian processes".

ACADEMIC AWARDS

RESEARCH GRANTS

1. "The social brain: establishing neurobiological strategies to exploit the unique spectrum of social relationships displayed by mole-rats". Biotechnological and Biological Sciences Research Council (BBSRC, UK). Grant: BBD523186. King's College London, London U.K (2005-2008). Co-investigator.
2. "The role of leptin in hypothalamic programming of offspring appetite and raised blood pressure by maternal obesity". The British Heart Foundation (BHF, UK). Grant: PG/06/067. King's College London, London U.K (2007-2009). Named Post-doctoral Researcher.

OTHER AWARDS

- GlaxoWellcome, Case Research Studentship (1998).
- Travelling bursary, British Society for Neuroendocrinology. Society for Neuroscience Annual Meeting, New Orleans, Louisiana, USA (2003).
- Travelling bursary, British Society for Neuroendocrinology. Department of Zoology and Entomology, University of Pretoria, Pretoria, RSA (2006).
- Visiting scientist scholarship, the Hellenic Centre for Neurosurgical Research Award "Professor Petros S. Kokkalis". Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest (2018).
- S. Papastamatis awards: "An investigation into histone chemical modifications in pediatric astrocytomas: prognostic value of H3K9 trimethylation and of methyltransferase SUV39H1. 48th Annual Hellenic Medical Society Conference (2022).
- 1st Prize for Oral Research Communication: "Autotaxin and lysophosphatidic acid in chronic subdural hematoma". 35th Annual Meeting of the Hellenic Neurosurgical Society (2022)

CURRENT UNIVERSITY TEACHING

Undergraduate Courses

1. Department of Biomedical Engineering, University of West Attica
 - Anatomy
 - Physical Principles of Neuroscience

Postgraduate Courses

1. Department of Neurosurgery, National and Kapodistrian University of Athens, Medical School. Master of Science in Clinical and Experimental Neurosurgery
 - Lectures:
 - Methodology and ethics in research and research publication

- The macroscopic and microscopic anatomy and function of the CNS
- Chemical and Molecular Neuroanatomy
- Anatomy and physiology of the human cerebrovascular system

2. Department of Biomedical, University of West Attica. Master of Science in Education via Novel Technologies and Biomedical Approaches

Lecture: Neurobiological Basis of Behaviour. The Social Brain.

PUBLICATIONS

BOOK CHAPTERS

Idiopathic and secondary normal pressure hydrocephalus. (Chapter 50, 447-458). Authors: George Stranjalis, Lampis Stavrinou, Theodosis Kalamatianos, Evangelis Liouta. General Principles in Neurosurgery. Editor: Konstandaras, ISBN: 9789606802768.

PEER-REVIEWED JOURNALS

2025

Triantafyllou G, Karangeli N, Duparc F, Piagkou M, Galzio R, Tsakotos G, Botis G, Kalamatianos T, Luzzi S. Unveiling pterion variability: a meta-analytic approach to enhance neurosurgical precision. *Surg Radiol Anat.* 2025 Jan 28;47(1):66. doi: 10.1007/s00276-025-03571-6.

Mavrovounis G, Mermiri M, Drivas I, Drivas K, Kalamatianos T, Zarogiannis SG, Pantazopoulos I. The Landscape of Experimental Cardiac Arrest Research Models in Rats: A Bibliometric Analysis of the 100 Most Cited Articles. *Clin Exp Emerg Med.* 2025 Jan 14. doi: 10.15441/ceem.24.290.

Triantafyllou G, Botis G, Vassiou K, Vlychou M, Tsakotos G, Kalamatianos T, Matsopoulos G, Piagkou M. The styloid process length and the stylohyoid chain ossification affect its relationship with the carotid arteries. *Ann Anat.* 2025 Jan;257:152342. doi: 10.1016/j.aanat.2024.152342.

2024

Georgountzos G, Triantafyllou G, Mavrovounis G, Piagkou M, Stranjalis G, Kalamatianos T. The microsurgical anatomy of the paracentral lobule artery: a cadaveric series. *Surg Radiol Anat.* 2024 Dec 12;47(1):29. doi: 10.1007/s00276-024-03532-5.

Piagkou M, Daskalopoulou D, Triantafyllou G, Tsakotos G, Kalamatianos T, Samolis A, Shihada A, Troupis T. Quadrifurcation of the Facial Artery Near the Inferior Mandibular Border with a Bilateral Premasseteric Artery Component.

Indian J Otolaryngol Head Neck Surg. 2024 Oct;76(5):4834-4837. doi: 10.1007/s12070-024-04892-5.

Triantafyllou G, Botis G, Vassiou K, Vlychou M, Tsakotos G, Kalamatianos T, Matsopoulos G, Piagkou M. The styloid process length and the stylohyoid chain ossification affect its relationship with the carotid arteries. Ann Anat. 2025 Jan;257:152342. doi: 10.1016/j.aanat.2024.152342.

Triantafyllou G, Tsiouris C, Chrysanthou I, Paschopoulos I, Tsakotos G, Kalamatianos T, Piagkou M. Extratemporal Facial Nerve Interconnections and Trunk's Variability: A Systematic Review with Meta-Analysis. Diagnostics (Basel). 2024 Aug 26;14(17):1862. doi: 10.3390/diagnostics14171862.

Subarachnoid Hemorrhage. Kalamatianos T. CNS Neurol Disord Drug Targets. 2024;23(11):1295-1296. doi: 10.2174/187152732311240607222910

Anagnostou E, Koukli M, Karagianni E, Gamvroula A, Kalamatianos T, Stranjalis G, Skoularidou M. Romberg's test revisited: Changes in classical and advanced sway metrics in patients with pure sensory neuropathy. Neurophysiol Clin. 2024 Sep;54(5):102999. doi: 10.1016/j.neucli.2024.102999

Triantafyllou G, Vassiou K, Duparc F, Vlychou M, Tsakotos G, Kalamatianos T, Piagkou M. A scarce combination of arterial variants: an occipital artery originating from the internal carotid artery associated with a linguofacial trunk. Surg Radiol Anat. 2024 Sep;46(9):1525-1530. doi: 10.1007/s00276-024-03436-4.

Tsakotos G, Triantafyllou G, Vlychou M, Vassiou K, Kalamatianos T, Piagkou M. An ectopic thyrolingual trunk arising from the common carotid artery: a rare variant. Surg Radiol Anat. 2024 Aug;46(8):1301-1303. doi: 10.1007/s00276-024-03426-6

A prognostic model for use before elective surgery to estimate the risk of postoperative pulmonary complications (GSU-Pulmonary Score): a development and validation study in three international cohorts. NIHR Global Health Research Unit on Global Surgery; STARSurg Collaborative. (T. Kalamatianos, invited collaborator). Lancet Digit Health. 2024 Jul;6(7):e507-e519. doi: 10.1016/S2589-7500(24)00065-7

Mavrovounis G, Skouroliahou A, Kalatzis I, Stranjalis G, Kalamatianos T. Over 30 Years of Dil Use for Human Neuroanatomical Tract Tracing: A Scoping Review. Biomolecules. 2024 Apr 30;14(5):536. doi: 10.3390/biom14050536.

Chrissicopoulos C, Mavrovounis G, Piagkou M, Triantafyllou G, Nasis N, Stranjalis G, Andreou A, Kalamatianos T. The Anatomical Variation of the Distal Anterior Cerebral Artery: An Angiographic Study in a Greek Population Sample. *Cureus*. 2024 Feb 24;16(2):e54800. doi: 10.7759/cureus.54800.

Drosos E, Komaitis S, Liouta E, Neromyliotis E, Charalampopoulou E, Anastasopoulos L, Kalamatianos T, Skandalakis GP, Troupis T, Stranjalis G, Kalyvas AV, Koutsarnakis C. Parcellating the vertical associative fiber network of the temporoparietal area: Evidence from focused anatomic fiber dissections. *Brain Spine*. 2024 Jan 28;4:102759. doi: 10.1016/j.bas.2024.102759.

Triantafyllou G, Tudose RC, Tsiouris C, Tsakotos G, Loukas M, Tubbs RS, Kalamatianos T, Chrissicopoulos C, Al-Nasraoui K, Koutserimpas C, Rusu MC, Natsis K, Kotrotsios A, Piagkou M. The anterior communicating artery variants: a meta-analysis with a proposed classification system. *Surg Radiol Anat*. 2024 May;46(5):697-716. doi: 10.1007/s00276-024-03336-7.

Mousa DV, Mavrovounis G, Argyropoulos D, Stranjalis G, Kalamatianos T. Anaplastic Lymphoma Kinase (ALK) in Posterior Cranial Fossa Tumors: A Scoping Review of Diagnostic, Prognostic, and Therapeutic Perspectives. *Cancers (Basel)*. 2024 Feb 2;16(3):650. doi: 10.3390/cancers16030650.

Psochias F, Mavrovounis G, Stranjalis G, Kalamatianos T. GFAP and UCHL1 in Non-traumatic SAH: The Story thus Far. A Systematic Review of the Literature. *CNS Neurol Disord Drug Targets*. 2024;23(11):1328-1344. doi: 10.2174/0118715273276472231116104549.

Skouras P, Kalamatianos T, Markouli M, Karagiannis A, Stavrinou LC. The Landscape of Randomized Clinical Trial Meta-analyses on Statins for Aneurysmal Subarachnoid Hemorrhage: A Scoping Review. *CNS Neurol Disord Drug Targets*. 2024;23(11):1320-1327. doi: 10.2174/0118715273270503230928100141.

2023

Kalamatianos T, Mavrovounis G, Skouras P, Pandis D, Fountas K, Stranjalis G. Medial Pulvinar Stimulation in Temporal Lobe Epilepsy: A Literature Review and a Hypothesis Based on Neuroanatomical Findings. *Cureus* 15(3): e35772. doi:10.7759/cureus.35772

Georgountzos G, Gkalonakis I, Anastasopoulos L, Stranjalis G, Kalamatianos T. Biofluid Biomarkers in the Prognosis of Chronic Subdural Hematoma: A Systematic Scoping Review. *Diagnostics (Basel)*. 2023; 13(14):2449. doi: 10.3390/diagnostics13142449

Skouras P, Markouli M, Kalamatianos T, Stranjalis G, Korkolopoulou P, Piperi C. Advances on Liquid Biopsy Analysis for Glioma Diagnosis. *Biomedicines*. 2023;11(9):2371. doi: 10.3390/biomedicines11092371.

2022

Liouta E, Kalyvas AV, Komaitis S, Drosos E, Koutsarnakis C, García-Gómez JM, Juan-Albarracín J, Katsaros V, Kalamatianos T, Argyrakos T, Stranjalis G. Association between preoperative neurocognitive status and IDH1 mutation status in high-grade gliomas. *Neurooncol Pract*. 2022; 10(2):132-139. doi: 10.1093/nop/npac077

Elective surgery system strengthening: development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries. NIHR Global Health Unit on Global Surgery; COVIDSurg Collaborative. Invited departmental Coordinator: Kalamatianos T. *Lancet*. 2022; 400(10363):1607-1617. doi: 10.1016/S0140-6736(22)01846-3.

Kalamatianos T, Drosos E, Magkrioti C, Nikitopoulou I, Koutsarnakis C, Kotanidou A, Paraskevas GP, Aidinis V, Stranjalis G. Autotaxin Activity in Chronic Subdural Hematoma: A Prospective Clinical Study. *Diagnostics*. 2022; 12(8):1865. <https://doi.org/10.3390/diagnostics12081865> (AVAILABLE ONLINE)

Komaitis S, Stranjalis G, Kalamatianos T, Drosos E, Kalyvas AV, Skandalakis GP, Liouta E, Charalampopoulou E, Mazarakis N, Koutsarnakis C. *Surg Radiol Anat*. 2022;44:1045-1061.

A stepwise laboratory manual for the dissection and illustration of limbic and paralimbic structures: lessons learned from the Klingler's technique.

Papadopoulos-Manolarakis P, Xenaki V, Fratzoglou M, Natsis K, Kalamatianos T, Piagkou M. A computed tomography study on the olfactory fossa in dried skulls. *Surg Radiol Anat*. 2022;44(6):925-932. doi: 10.1007/s00276-022-02949-0

Athanasaki A, Melanis K, Tsantzali I, Stephanou MI, Ntymenou S, Paraskevas SG, Kalamatianos T, Boutati E, Lambadiari V, Voumvourakis KI, Stranjalis G, Giannopoulos S, Tsivgoulis G, Paraskevas GP. Type 2 Diabetes Mellitus as a Risk Factor for Alzheimer's Disease: Review and Meta-Analysis. *Biomedicines* 2022, 10, 778. <https://doi.org/10.3390/biomedicines10040778>.

Vrettou CS, Drosos E, Nepka M, Bouboulis G, Kalamatianos T, Liakopoulou C, Gkouvelos G, Kotanidou A, Stranjalis G. Bacteremia Is a Risk Factor for Cerebrospinal Fluid Infection in Patients with Cerebrospinal Fluid Drains—A Retrospective Study. *Bacteria* 1 (1), 48-55. <https://doi.org/10.3390/bacteria1010005>

Karagianni MD, Brotis AG, Gatos C, Kalamatianos T, Vrettou C, Stranjalis G, Fountas KN. Neuromonitoring in Severe Traumatic Brain Injury: A Bibliometric Analysis. *Neurocrit Care*. 2022 Jan 24. doi: 10.1007/s12028-021-01428-5.

Kalamatianos T, Antonopoulos I, Piagkou M, Natsis K, Chrissicopoulos C, Stranjalis G. A distal anterior cerebral artery tripod branching to a bihemispheric pericallosal artery. *Surg Radiol Anat*. doi: 10.1007/s00276-021-02879-3.

SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study. Invited departmental Coordinator: Kalamatianos T. COVIDSurg Collaborative; GlobalSurg Collaborative. *Anaesthesia*. 2022 Jan;77(1):28-39. doi: 10.1111/anae.15563.

2021

Karamitros A, Kalamatianos T, Stranjalis G, Anagnostou E. Vestibular paroxysmia: Clinical features and imaging findings; a literature review. *J Neuroradiol*. 2021 Aug 5:S0150-9861(21)00140-1. doi: 10.1016/j.neurad.2021.07.007

Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. COVIDSurg Collaborative; GlobalSurg Collaborative. Invited departmental Coordinator: Kalamatianos T. *Anaesthesia*. 2021 Aug 9. doi: 10.1111/anae.15560

Spinou D, Kalamatianos T, Terzakis D, Piagkou M, Georgalas C. Treatment strategies for inverted papillomas with intracranial or intraorbital involvement. *J Laryngol Otol*. 2021 Aug 25:1-7. doi: 10.1017/S0022215121002152. Online ahead of print.

Klonou A, Korkolopoulou P, Gargalionis AN, Kanakoglou DS, Katifelis H, Gazouli M, Chlamydas S, Mitsios A, Kalamatianos T, Stranjalis G, Themistocleous MS, Papavassiliou KA, Sgouros S, Papavassiliou AG, Piperi C. Histone Mark Profiling in Pediatric Astrocytomas Reveals Prognostic Significance of H3K9 Trimethylation and Histone Methyltransferase SUV39H1. *Neurotherapeutics*. 2021 Jul 22. doi: 10.1007/s13311-021-01090-x.

Kalamatianos T, Kalyvas A, Komaitis S, Stavridi K, Liouta E, Drosos E, Liakos F, Koutsarnakis C, Stranjalis G. Trends in hospital stay and outcome of CNS tumor patients in Greece during the socioeconomic crisis period (2010-2018): The case of the academic neurosurgical department at Evangelismos Hospital. *Surg Neurol Int*. doi: 10.25259/SNI_196_2021. eCollection 2021

SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. COVIDSurg Collaborative, GlobalSurg Collaborative. Invited departmental Coordinator: Kalamatianos T. *British Journal of Surgery*. <https://doi.org/10.1093/bjs/zxab101>.

Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. COVIDSurg Collaborative. GlobalSurg Collaborative. Invited departmental coordinator: Kalamatianos T. *Anaesthesia*. <https://doi.org/10.1111/anae.15458>.

Ntymenou S, Tsantzali I, Kalamatianos T, Voumvourakis K, Kapaki E, Tsivgoulis G, Stranjalis G, George Paraskevas. Blood biomarkers in frontotemporal dementia: review and meta-analysis. *Brain Sciences* 11 (2), 244. <https://doi.org/10.3390/brainsci11020244>

Natsis K, Piagkou M, Lazaridis N, Kalamatianos T, Chytas D, Manatakis D, Anastasopoulos N, Loukas M. A systematic classification of the left-sided aortic arch variants based on cadaveric studies' prevalence. *Surg Radiol Anat*. 2021 Jan 2. doi: 10.1007/s00276-020-02625-1.

Komaitis S, Koutsarnakis C, Lani E, Kalamatianos T, Drosos E, Skandalakis GP, Liakos F, Liouta E, Kalyvas AV, Stranjalis G. Deciphering the frontostriatal circuitry through the fiber dissection technique: direct structural evidence on the morphology and axonal connectivity of the fronto-caudate tract. *J Neurosurg*. 2021 Jan 1:1-13. doi: 10.3171/2020.7.JNS201287.

2020

Neromyliotis E, Kalamatianos T, Paschalis A, Komaitis S, Fountas KN, Kapsalaki EZ, Stranjalis G, Tsougos I. Machine Learning in Meningioma MRI: Past to Present. A Narrative Review. *J Magn Reson Imaging*. 2020 Oct 2. doi: 10.1002/jmri.27378. Online ahead of print.

Stranjalis G, Komaitis S, Kalyvas AV, Drosos E, Stavrinou LC, Koutsarnakis C, Kalamatianos T. Recent trends (2010-2018) in traumatic brain injury in Greece: Results on 2042 patients. *Injury*. 2020 Sep;51(9):2033-2039. doi: 10.1016/j.injury.2020.05.045. Epub 2020 Jun 1.

2019

Kalamatianos T, Mavridis IN, Karakosta E, Drosos E, Skandalakis GP, Kalyvas A, Piagkou M, Koutsarnakis C, Stranjalis G. The Parieto-Occipital Artery Revisited: A Microsurgical Anatomic Study. *World Neurosurg*. 2019 Mar 14. pii:S1878-8750(19)30695-3. doi: 10.1016/j.wneu.2019.02.215. [Epub ahead of print] PubMed PMID: 30880193.

Koutsarnakis C, Komaitis S, Drosos E, Kalyvas AV, Skandalakis GP, Liakos F, Neromyliotis E, Lani E, Kalamatianos T, Stranjalis G. Mapping the superficial morphology of the occipital lobe: proposal of a

universal nomenclature for clinical and anatomical use. *Neurosurg Rev.* 2019 Nov 22. doi: 10.1007/s10143-019-01212-2. [Epub ahead of print]

Komaitis S, Kalyvas AV, Skandalakis GP, Drosos E, Lani E, Liouta E, Liakos F, Kalamatianos T, Piagkou M, Emelifeonwu JA, Stranjalis G, Koutsarnakis C. *J Neurosurg.* 2019 Oct 4:1-13. doi: 10.3171/2019.6.JNS191224The frontal longitudinal system as revealed through the fiber microdissection technique: structural evidence underpinning the direct connectivity of the prefrontal-premotor circuitry.

Drosos E, Kalyvas A, Komaitis S, Skandalakis GP, Kalamatianos T, Liouta E, Neromyliotis E, Alexiou GA, Stranjalis G, Koutsarnakis C. Angiosarcoma-related cerebral metastases: a systematic review of the literature. *Neurosurg Rev.* 2019 Jun 4. doi: 10.1007/s10143-019-01127-y. [Epub ahead of print] Review. PubMed PMID: 31165296.

Komaitis S, Skandalakis GP, Kalyvas AV, Drosos E, Lani E, Emelifeonwu J, Liakos F, Piagkou M, Kalamatianos T, Stranjalis G, Koutsarnakis C. Dorsal component of the superior longitudinal fasciculus revisited: novel insights from a focused fiber dissection study. *J Neurosurg.* 2019 Mar 1:1-14. doi: 10.3171/2018.11.JNS182908. [Epub ahead of print] PubMed PMID: 30835690.

Skandalakis GP, Koutsarnakis C, Pantazis N, Kalyvas A, Komaitis S, Lani E, Drosos E, Kalamatianos T, Hadjipanayis CG, Natsis K, Stranjalis G, Piagkou M. The carotico-clinoid bar: A systematic review and meta-analysis of its prevalence and potential implications in cerebrovascular and skull base surgery. *World Neurosurg.* 2019 Jan 21. pii: S1878-8750(19)30107-X. doi: 10.1016/j.wneu.2019.01.017. [Epub ahead of print] Review. PubMed PMID: 30677570.

Koutsarnakis C, Kalyvas AV, Skandalakis GP, Karavasilis E, Christidi F, Komaitis S, Velonakis G, Liakos F, Emelifeonwu J, Giavri Z, Kalamatianos T, Kelekis N, Stranjalis G. Sledge runner fasciculus: anatomic architecture and tractographic morphology. *Brain Struct Funct.* 2019 Apr;224(3):1051-1066. doi: 10.1007/s00429-018-01822-4. Epub 2019 Jan 3. PubMed PMID: 30607495.

2018

Kalamatianos T, Denekou D, Stranjalis G, Papadimitriou E (2018). Anaplastic Lymphoma Kinase in Glioblastoma: Detection/Diagnostic Methods and Therapeutic Options. *Recent Pat Anticancer Drug Discov.* doi: 10.2174/1574892813666180115151554 (Epub Ahead of print)

2017

Verentzioti A, Stranjalis G, Kalamatianos T, Siatouni A, Sakas DE, Gatzonis S (2017). Epidemiology of first epileptic seizures in the northern Aegean island of Lesbos, Greece. *Clinics and Practice* (in press: DOI: 10.4081/cp.2017.942)

Kalyvas AV, Kalamatianos T, Stranjalis G (2017). Neurosurgical Publication Output in Greece: Time Trends and the Impact of the Economic Crisis. *Neurosurgery*. doi: 10.1093/neuros/nyw144.

Koutsarnakis C, Liakos F, Kalyvas AV, Liouta E, Emelifeonwu J, Kalamatianos T, E. Sakas DE, Johnson E, Stranjalis G (2017). Approaching the Atrium through the Intraparietal Sulcus: Mapping the Sulcal Morphology and Correlating the Surgical Corridor to Underlying Fiber Tracts. *Oper Neurosurg* DOI: <https://doi.org/10.1093/ons/opw037>.

Liouta E, Gatzonis S, Kalamatianos T, Kalyvas A, Koutsarnakis C, Liakos F, Anagnostopoulos C, Komaitis S, Giakoumettis D, Stranjalis G.. (2017). Finger tapping and verbal fluency post-tap test improvement in INPH: its value in differential diagnosis and shunt-treatment outcomes prognosis. *Acta Neurochir (Wien)*;159:2301-2307. doi: 10.1007/s00701-017-3301-2.

2016

Karagkounis G, Stranjalis G, Argyrakos T, Pantelaion V, Mastoris K, Rontogianni D, Komaitis S, Kalamatianos T, Sakas D, Tiniakos D (2016). Anaplastic lymphoma kinase expression and gene alterations in glioblastoma: correlations with clinical outcome. *J Clin Pathol*. doi: 10.1136/jclinpath-2016-204102. [Epub ahead of print]

Kalyvas AV, Kalamatianos T, Pantazi M, Lianos GD, Stranjalis G, Alexiou GA (2016). Maternal environmental risk factors for congenital hydrocephalus: a systematic review. *Neurosurg Focus*; 41:E3.

Mavridis IN, Kalamatianos T, Koutsarnakis C, Stranjalis G (2016). The Microsurgical Anatomy of the Orbitofrontal Arteries. doi: 10.1016/j.wneu.2016.02.024. [Epub ahead of print]

2015

Stranjalis G, Loufardaki M, Koutsarnakis C, Kalamatianos T (2015). Trends in the management and hospital outcome of spontaneous subarachnoid hemorrhage in the post-ISAT era in Greece: analysis of 719 patients during a 13-year period. *World Neurosurg*. doi: 10.1016/j.wneu.2015.11.103. [Epub ahead of print].

Mavridis IN, Kalamatianos T, Koutsarnakis C, Stranjalis G (2015). Microsurgical Anatomy of the Precuneal Artery: Does It Really Exist? Clarifying an Ambiguous Vessel Under the Microscope. *Operative Neurosurgery*. doi: 10.1227/NEU.0000000000001082

Coen CW, Kalamatianos T, Oosthuizen MK, Poorun R, Faulkes CG, Bennett NC (2015). Sociality and the telencephalic distribution of corticotrophin-releasing factor, urocortin 3, and binding sites for CRF type 1 and type 2 receptors: A comparative study of eusocial naked mole-rats and solitary Cape mole-rats. *J Comp Neurol.*; 523:2344-71.

2014

Balaka C, Stranjalis G, Kalamatianos T, Koutsarnakis C, Bouras T, Boviatsis E, Sakas DE (2014). Microdialysis in meningioma surgery: correlation of cerebral metabolites with clinical outcome. *Acta Neurochir (Wien)*; 156(12):2275-82.

Stranjalis G, Kalamatianos T, Gatzonis S, Loufardaki M, Tzavara C, Sakas DE, Lesvos Stroke Register Group Investigators (2014). The incidence of first ever stroke in a Mediterranean island population: the Isle of Lesvos Stroke Study. *Neuroepidemiology*; 43:206-1.

Margetis K, Markianos M, Gatzonis S, Kalamatianos T, Sakas D (2014). Orexin-a system neuromodulation by intrathecal baclofen. *J Clin Psychopharmacol.*; 34:535-7.

Liouta E, Kalamatianos T, Liakos F, Stranjalis G (2014). Neuropsychological examination detects post-operative complications in idiopathic normal pressure hydrocephalus (iNPH): report of two cases. *Neurocase*; 21:211-5.

Margetis K, Markianos M, Gatzonis S, Kalamatianos T, Sakas D (2014). Effects of intrathecal baclofen therapy on CSF neurotransmitter metabolite levels. *J Clin Psychopharmacol*; 34:171-4.

Dimitrouli A, Stavrinou LC, Loufardaki M, Galanis P, Kalamatianos T, Sakas DE, Stranjalis G (2014). Severe traumatic brain injury outcome assessed by a novel scale: A pilot study. *Health Sci J*; 8:137-51.

Kalamatianos T, Markianos M, Margetis K, Bourlogiannis F, Stranjalis G (2014). Higher Orexin A levels in lumbar compared to ventricular CSF: a study in idiopathic normal pressure hydrocephalus. *Peptides*; 51:1-3.

2013

Stranjalis G, Kalamatianos T, Stavrinou LC, Mathios D, Koutsarnakis C, Tzavara C, Loufardaki M, Protopappa D, Argyrakos T, Rontogianni DP, Sakas DE (2013). The Evangelismos hospital central nervous system tumor registry: Analysis of 1414 cases (1998-2009). *Surg Neurol Int*; 4:23.

Kalamatianos T, Stavrinou LC, Koutsarnakis C, Psachoulia C, Sakas DE, Stranjalis G (2013). PIGF and sVEGFR-1 in chronic subdural hematoma: implications for hematoma development. *J Neurosurg*; 118:353-7.

2012

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