

# **CURRICULUM VITAE**

**EFFROSYNI PAPADAKI**

ASSOCIATE PROFESSOR IN RADIOLOGY/ NEURORADIOLOGY

MEDICAL SCHOOL, UNIVERSITY OF CRETE

JANUARY 2026

# 1. Personal Information

- **Full Name:** Efrosyni Z. Papadaki
  - **Place & Date of Birth:** Heraklion, Crete, 6/1/1964
  - **Marital Status:** Married, 1 child
  - **Address:** 3 Vermiou Street, 71306, Heraklion, Crete, Greece
  - **Phone:** (+30) 2810-237926, 6977074083
  - **E-mail:** fpapada@otenet.gr | fpapada@uoc.gr
- 

# 2. Education

## 2.1 University Studies

- **Medical Degree,** Medical School, University of Athens, 29/7/1993
  - **Grade:** Excellent (9/10)
  - **Academic Award:** 20/10/1993 (Top graduate of the class)

## 2.2 Medical Specialty

- **Resident Radiologist,** Medical Imaging Laboratory, Alexandra General Hospital, Athens, 30/11/1993 – 28/3/1995
  - **Director:** G. Pampouras
- **Resident Radiologist,** Medical Imaging Laboratory, University Hospital of Heraklion, 15/5/1995 – 28/10/1999
  - **Director:** Professor of Radiology N. Gourtsogiannis
- **Specialization in Radiology obtained,** 29/3/2000

## 2.3 Doctoral Thesis (PhD)

- **Period:** 11/5/2001 – 10/5/2004
- **Title:** “Study of Multiple Sclerosis Using Advanced Magnetic Resonance Imaging Techniques”
- **Institution:** Medical Imaging Laboratory, Department of Radiology, School of Medicine, University of Crete
  - **Supervision:** Professor N. Gourtsogiannis
  - **Collaboration:** Department of Medical Physics and Neurology Clinic, School of Medicine, University of Crete
- **Defense:** 23/7/2004
- **Grade:** Excellent

---

## 2.4 Postgraduate Training Abroad – Certification/Diploma in Neuroradiology

- **22/4/2005 – 28/9/2005:** Postgraduate training in Neuroradiology at the Magnetic Resonance Imaging Unit, New York University Medical Center (NYU), USA
    - **Director:** Prof. Robert I. Grossman
    - **Supervision:** Prof. Meng Law
  - **12/5/2008 – 30/5/2008:** Invited Lecturer at Mount Sinai School of Medicine, New York, USA
  - **15/10/2012:** Awarded the **European Certificate/Diploma in Neuroradiology** by the European Society of Neuroradiology
- 

## 2.5 Participation in International Postgraduate Seminars

- 1 European Magnetic Resonance Permanent School. 1<sup>st</sup> Course. Prague, Czech Republic, 12-14 December 1996.
- 2 1<sup>st</sup> Aegean Postgraduate Radiology Course. Body imaging and intervention. Heraklion, Greece, 8-10 October 1999.
- 3 32<sup>th</sup> International Diagnostic Course in Davos. Diseases of the brain, head and neck, spine. Davos, Switzerland, 25-31 March, 2000.
- 4 2<sup>nd</sup> Aegean Postgraduate Radiology Course. Body imaging and intervention. Heraklion, Greece, 28-30 September 2001.
- 5 3<sup>rd</sup> Aegean Postgraduate Radiology Course. Neuro and abdominal imaging and intervention. Heraklion, Greece, 10-12 October 2003.
- 6 36<sup>th</sup> International Diagnostic Course in Davos. Diseases of the brain, head and neck, spine. Davos, Switzerland, 28 March-2 April, 2004.
- 7 5<sup>th</sup> Aegean Postgraduate Radiology Course. Neuro and abdominal imaging and intervention. Heraklion, Greece, 10-12 October 2007 (Faculty member).

- 8** European School of Radiology (ESOR) GALEN Foundation Course on Neuro/Musculoskeletal Radiology. Lublin, Poland 27-29 June 2008 (Faculty member).
- 9** European School of Radiology (ESOR) GALEN Foundation Course on Neuroradiology. Iasi, Romania, 12-14 May 2011 (Faculty member).
- 10** European School of Radiology (ESOR) GALEN Foundation Course on Neuroradiology . Novi Sad, Serbia, 26-28 April 2012 (Faculty member).
- 11** ERASMUS course on MRI-Central Nervous System I, Thessaloniki, Greece, 12-16 June 2013 (Faculty member).
- 12** Pierre Lasjaunias European Course in Neuroradiology, 12<sup>th</sup> cycle. Athens, Greece, 6-10 April 2014 (Faculty member).
- 13** European School of Radiology (ESOR) GALEN Foundation Course on Neuroradiology. Wroklaw, Poland, 26-28 June 2014 (Faculty member).
- 14** European School of Radiology (ESOR) AIMS - Advanced Imaging Multimodality Seminar Advanced Neuroimaging August 27-30, 2015 – Brazil (Faculty member).
- 15** Pierre Lasjaunias European Course in Neuroradiology, 13<sup>rd</sup> cycle. Rhodes, Greece, 19-23 April 2016 (Faculty member).
- 16** European School of Radiology (ESOR) GALEN Foundation Course on Neuroradiology. Prague, Czech Republic, 25-27 May 2017 (Faculty member).
- 17** ERASMUS course on MRI-Central Nervous System II, Heraklion, Greece, 1-5 September 2019 (Local organizer, Faculty member).
- 18** European Course on Advanced Imaging Techniques in Neuroradiology - 1st Cycle Module 1 on Perfusion, Live Online Edition - from 12-14 November 2021 (on line).
- 19** 16<sup>th</sup> Cycle of the European Course of Diagnostic and Interventional Neuroradiology, on “Degenerative, Metabolic and Inflammatory Diseases” Berlin, Germany, 1- 5 May 2022 (Faculty member).

- 20 13th IDKD 2022, Diseases of the Brain, Head and Neck, Spine, September 2 – 4, 2022, Vouliagmeni (Athens), Greece (Faculty member)
  - 21 Intracranial Glioma Workshop: From A to Z, Athens, 24t -27 May 2023, Glioma workshop (moderator)
  - 22 ” Cyprus multidisciplinary scientific radiological Summit , Nicosia, 24th May 2025(Faculty member)
  - 23 ESOR GALEN Foundation Course on Neuroradiology 7/6 2023, online (Faculty member)
  - 24 Intracranial Glioma Workshop: From A to Z, Athens, 24t -27 May 2025, Glioma workshop (Faculty member )
  - 25 NewBridge’s Annual Neurology Summit 24-25 April 2025 | Istanbul- Libya HCPs
  - 26 ESOR GALEN Foundation Course on Neuroradiology 7/6 2025, online (Faculty member)
- 

## **2.6 Participation in International Scientific Congresses**

- 1. 7<sup>th</sup> Annual Meeting and Postgraduate Course (ESGAR), Heraklion 1996.
- 2. 11<sup>th</sup> European Congress of Radiology (ECR), Vienna 1999.
- 3. 26<sup>th</sup> Congress and 10<sup>th</sup> advanced course of Neuroradiology (ESNR), Oslo 2000.
- 4. 14<sup>th</sup> European Congress of Radiology (ECR), Vienna 2002.
- 5. 88<sup>th</sup> Scientific Assembly of Radiological Society of North America (RSNA), Chicago 2002.
- 6. 15<sup>th</sup> European Congress of Radiology (ECR), Vienna 2003.
- 7. 29<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Aachen 2004.

- 8.** 17<sup>th</sup> European Congress of Radiology (ECR), Vienna 2005.
- 9.** 43<sup>th</sup> American Society of Neuroradiology (ASNR) Annual meeting, Toronto 2005.
- 10.** 30<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Barcelona 2005.
- 11.** 17<sup>th</sup> European Congress of Radiology (ECR), Vienna 2006.
- 12.** 44<sup>th</sup> American Society of Neuroradiology (ASNR) Annual meeting, San Diego, California 2006.
- 13.** 32<sup>nd</sup> European Congress of Neuroradiology (ESNR), Genoa 2007.
- 14.** 46<sup>th</sup> American Society of Neuroradiology (ASNR) Annual meeting, New Orleans Louisiana 2008.
- 15.** 19<sup>th</sup> European Congress of Radiology (ECR), Vienna 2008.
- 16.** 47<sup>th</sup> American Society of Neuroradiology (ASNR) Annual meeting, Vancouver, Canada 2009.
- 17.** 34<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Athens 2009.
- 18.** 21<sup>st</sup> European Congress of Radiology (ECR), Vienna 2010.
- 19.** 8<sup>th</sup> Balkan Congress of Radiology (BCR), Alexandroupolis 2010.
- 20.** 35<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Antwerp 2011.
- 21.** 36<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Edinburgh 2012.
- 22.** 24<sup>th</sup> European Congress of Radiology (ECR), Vienna 2013.

23. 37<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Frankfurt, 2013.
24. 11<sup>th</sup> Balkan Congress of Radiology (BCR), Ohrid 2013.
25. 9<sup>th</sup> European Lupus Meeting, Athens 2014.
26. 20<sup>th</sup> Symposium Neuroradiologicum, Istanbul 2014.
27. 12<sup>th</sup> Balkan Congress of Radiology (BCR), Istanbul 2014.
28. 8<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Naples 2015.
29. 26<sup>th</sup> European Congress of Radiology (ECR), Vienna 2015.
30. 39<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Belgrade 2016.
31. 14<sup>th</sup> Balkan Congress of Radiology (BCR), Thessaloniki 2016.
32. 15<sup>th</sup> Balkan Congress of Radiology (BCR), Budapest 2017.
33. 28<sup>th</sup> European Congress of Radiology (ECR), Vienna 2017.
34. 40<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Malmo 2017.
35. 29<sup>th</sup> European Congress of Radiology (ECR), Vienna 2018.
36. 41<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Rotterdam 2018.
37. 16<sup>th</sup> Balkan Congress of Radiology (BCR), Cusadasi 2018.
38. 17<sup>th</sup> Balkan Congress of Radiology (BCR), Heraklion 2019
39. 42<sup>nd</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Oslo 2019

40. European Congress of Radiology (ECR), Vienna 2019.
  41. European Congress of Radiology (ECR), Vienna 2020 (online).
  42. 44th European Society of Neuroradiology (ESNR) Annual Meeting, Geneva 2021 (online)
  43. Congress of the French Society of Neuroradiology and Neurosurgery, Lyon 2022 (online).
  44. 45th European Society of Neuroradiology (ESNR) Annual Meeting, Lisbon 2022
  45. European Congress of Radiology (ECR), Vienna 2023
  46. 46<sup>th</sup> European Society of Neuroradiology (ESNR) Annual Meeting, Vienna 2023
  47. 18<sup>th</sup> Balkan Congress of Radiology, Belgrade 2023
  48. 19th Balkan Congress of Radiology, Cesme 2024
  49. 47th European Society of Neuroradiology (ESNR) Annual Meeting, Paris 2024
  50. European Congress of Radiology (ECR), Vienna 2025
  51. European Society of Neuroradiology (ESNR) Annual Meeting, Istanbul 2025
  52. Romanian Congress of Radiology, Bucharest, 25-27 September 2025
  53. 20th Balkan Congress of Radiology, Heraklion 2025
- 

### **3. Professional Experience – Clinical Work**

- **22/3/2000 – 7/4/2001:** Rural Service, Health Center of Kasteli – Peripheral Clinic of Limenas Hersonissou.
- **8/4/2001 – 31/10/2001:** Specialist Radiologist, Head of the Radiology Department (Conventional Radiology, Ultrasound) at the Medical Center "Medical Care of Crete," Limenas Hersonissou, Heraklion.
- **1/11/2001 – 17/3/2004:** Specialist Radiologist, CT Department, Diagnostic Center "EGKEFALOS-EUROMEDICA," Heraklion, Crete
  - **1/12/2002 – 17/3/2004:** Scientific Director of the Department

- **8/4/2001 – 17/3/2004:** Unpaid Scientific Collaborator (Docent and Honorary Consultant in Neuroradiology) at the Medical Imaging Laboratory (MRI Unit), University Hospital of Heraklion
  - **18/3/2004 – 27/5/2008:** Consultant Radiologist B' (Docent and Full-Paid Consultant in Neuroradiology) at the Medical Imaging Laboratory, University Hospital of Heraklion
  - **22/4/2005 – 28/9/2005:** Research Fellow in Neuroradiology, New York University Medical Center, USA
  - **28/5/2008 – 12/1/2015:** Lecturer in Radiology, specializing in Neuroradiology, Department of Medicine, University of Crete
  - **22/4/2016:** Change of academic subject to “Radiology – Neuroradiology,” (FEK) 1160/22-04-2016
  - **13/1/2015 – Present:** Assistant Professor of Radiology – Neuroradiology, Department of Medicine, University of Crete
  - **23/9/2022 – Present:** Associate Professor of Radiology – Neuroradiology, Department of Medicine, University of Crete
  - **28/5/2008 – Present:**
    - Head of Diagnostic Neuroradiology and Neuroradiology Consultation Clinic, Medical Imaging Laboratory, University Hospital of Heraklion
    - Head of the Magnetic Resonance Imaging Unit, Medical Imaging Laboratory, University Hospital of Heraklion
  - Scientific Collaborator, Laboratory of Computational Bio-Medicine, Institute of Computer Science, Foundation for Research and Technology – Hellas (FORTH), Crete
- 

### **3.1 MEMBER OF INTERNATIONAL SCIENTIFIC ORGANIZATIONS**

- **European Society of Radiology**
  - ✓ member of the **Accreditation Council in Imaging (ACI) Policy Committee of the European Board of Radiology (EBR).**
  - ✓ Neuro- subcommittee member of the ECR program planning committee (2018, 2019, 2020)
- **European Society of Neuroradiology**
  - Member of the **Social Media committee**
- **Balkan Society of Radiology**
  - President of the **Program Planning Committee**

- o **Erasmus Course on Magnetic Resonance Imaging**
  - Member of the **committee for the Central Nervous System Spine & Paediatrics**

### 3.2 Member of Greek Scientific Organizations

- Hellenic College of Radiology
  - Hellenic Radiological Society
  - Radiological Society of Crete
  - Medical Association of Heraklion
- 

## 4. Awards and Scholarships

- **Medical Degree, University of Athens** – Grade: Excellent
  - o **Top graduate of the academic year 1992–1993**
  - o Graduation ceremony: Asklepieio of Kos, 28/8/1993
  - o Award for Academic Excellence: 20/10/1993
- **PhD, School of Medicine, University of Crete** – Grade: Excellent
- **Best Oral Presentation Award**, 140th Inter-University Radiology Conference, Heraklion 2004
  - o Title: “Correlation of Magnetization Transfer Ratio (MTR) with relative Cerebral Blood Volume (rCBV%) in patients with Multiple Sclerosis (MS)”
- **Scholarship from the Hellenic College of Radiology (2005)**
  - o Supported postgraduate training in Neuroradiology at New York University, USA
- **Third Best Oral Presentation Award**, 19th Inter-University Radiology Conference, Thessaloniki 2009
  - o Title: “Perfusion Weighted Imaging (PWI) in patients with Clinically Isolated Syndrome (CIS) who converted to Multiple Sclerosis (MS): Increased perfusion compared to those who remained CIS”
- **Diploma of Best Scientific Contribution**, 3rd Mallinckrodt “Neuroimaging from the Masters” Conference, Prague, 2013
- **Third Best Oral Presentation Award**, 22nd Inter-University Radiology Conference, Athens 2015
  - o Title: “Brain circuits involved in the theory of mental simulation: a functional MRI study”
- **Best Oral Presentation Award**, 14th Balkan Congress of Radiology (BCR), Thessaloniki 2016
  - o Title: “Multi-echo T2 relaxation technique in Dementia”
- **Third Best Oral Presentation Award**, 23rd Inter-University Radiology Conference, Alexandroupolis 2017
  - o Title: “Application of Resting-State Functional MRI in patients with Systemic Lupus Erythematosus (SLE) with and without neuropsychiatric symptoms”

- **Second Best Paper Award**, 9th Panhellenic Conference of Biomedical Technology, Thessaloniki 2021
    - Title: “Classification of Resting-State fMRI Functional Network Disturbances in Patients with Mild Traumatic Brain Injuries”
- 

## 5. Administrative – Organizational Experience

- **28/5/2008 – Present:** Head of the Magnetic Resonance Imaging Unit, Medical Imaging Laboratory, University Hospital of Heraklion.
  - **2001:** Organization of the Ultrasound Unit, Radiology Department, Medical Center "Medical Care of Crete," Limenas Hersonissos, Heraklion.
  - **2002 – 17/3/2004:** Organization of the Computed Tomography Unit, Diagnostic Center "EGKEFALOS-EUROMEDICA," Heraklion, Crete
    - **Scientific Director:** 1/12/2002 – 17/3/2004
- 

## 6. Scientific – Organizational Experience

- **2018 – Present:** Responsible for the compulsory undergraduate course “Radiology A,” School of Medicine, University of Crete
  - **2016 – Present:** Responsible for the elective undergraduate course “Radiological Anatomy,” School of Medicine, University of Crete
  - **2010 – Present:** Responsible for organizational and educational matters concerning Radiology residents at the Medical Imaging Laboratory, University Hospital of Heraklion
  - **2004 – Present:** Responsible for organizing weekly clinical-imaging meetings with physicians from the Endocrinology, Neurology, and Neurosurgery Clinics, University Hospital of Heraklion
  - **2010 – 2014:** Responsible for organizing the annual postgraduate program of the Medical Imaging Laboratory, University Hospital of Heraklion
  - **2010 – 2018:** Responsible for organizing the undergraduate program of the course “Radiology,” School of Medicine, University of Crete
- 

## 7. Organization of Scientific Conferences

- **1–5 September 2019:** Organizer of the **ERASMUS Course on Magnetic Resonance Imaging CNS II**, Heraklion, Greece
- **13–14 April 2013:** Organizer of a two-day Scientific Symposium on Neuroradiology: “Modern Imaging of Central Nervous System Disorders,” featuring specialized Greek Neuroradiologists and related clinical specialties, Heraklion, Greece

- **9–11 October 2025:** Chair of the Organizing Committee, **20th Balkan Congress of Radiology (BCR)**, Heraklion, Greece
- 

## 8. Educational Experience

### 8.1 Undergraduate

- Lecturer in the undergraduate courses **“Radiology A”** and **“Radiology B”**, School of Medicine, University of Crete, since 2001 (as faculty member from 2008), with an emphasis on Neuroradiology.
  - Responsible for the compulsory undergraduate course **“Radiology A”**, School of Medicine, University of Crete, since 2018.
  - Responsible for the elective undergraduate course **“Radiological Anatomy”**, School of Medicine, University of Crete, since 2016.
  - Training of foreign students through the **ERASMUS exchange program** and Greek students from other Greek universities, since 2005.
  - Participation in the **International Medical Program**.
- 

### 8.2 Postgraduate

- Lecturer in the postgraduate program **“Neurosciences”**, School of Medicine, University of Crete, since 2019
  - Co-responsible for the course **“Imaging of Neurological Diseases”**, since 2025
- Lecturer in the postgraduate program **“Oncology: from Oncogenesis to Therapy”**, School of Medicine, University of Crete, since 2019
  - Focus on CNS and head-neck tumor imaging
- Lecturer in the postgraduate program **“Diseases of the Salivary Glands”**, School of Medicine, Aristotle University of Thessaloniki (AUTH), since 2022
- Lecturer in the postgraduate program **“MSc in Forensic Medicine, Anthropology and Imaging”**, School of Medicine, University of Crete, since 2023
- Lecturer in the postgraduate program **“Diagnostic Approach and Therapeutic Management of Dementia and Related Cognitive Disorders”**, School of Medicine, University of Crete, since 2024
- Lecturer in the postgraduate program **“Biomedical Engineering”**, since 2024
- Lecturer at the **Summer School of the School of Medicine, University of Crete**, **“Dementia for Medical Students: Improving Knowledge/Developing Skills of Pregraduate Students to Manage Dementia,”** since 2021

- Lecturer at the **Summer School of Neuroanatomy**, School of Medicine, University of Crete, “The Human Brain in Space – Neuroanatomy from Research to Clinical Practice,” since 2023
  - Training of **Radiology residents** at the University Hospital of Heraklion, with a focus on Neuroradiology, since 2001
  - Training of **Greek and international Radiology residents and specialists** visiting the Medical Imaging Laboratory, School of Medicine, University of Crete, since 2001
  - Training of Radiologists in Neuroradiology through the **European School of Radiology (ESOR) exchange program for fellowship**, since 2012
  - Lecturer in the **academic postgraduate program of the Medical Imaging Laboratory**, University Hospital of Heraklion, since 1999
  - Lecturer in the **academic postgraduate programs** of the Departments of Neurology, Neurosurgery, Vascular Surgery, Nuclear Medicine, Medical Physics, Ophthalmology, Endocrinology, Maxillofacial Surgery, ENT, and ICU, University Hospital of Heraklion, since 2001
  - Lecturer in the **academic postgraduate programs of the Radiology Laboratories** of University Hospital of Larissa, 1st Radiology Laboratory of National and Kapodistrian University of Athens (NKUA), and the Radiology Laboratory of Aristotle University of Thessaloniki (AUTH)
- 

### 8.3. FACULTY MEMBER OF INTERNATIONAL EDUCATIVE ORGANIZATIONS

- **European School of Radiology (ESOR) GALEN Foundation Courses in Neuroradiology**

Participation as faculty member in 2008, 2011, 2012, 2014, 2015, 2017, 2023

- **Erasmus Course in Magnetic Resonance Imaging (CNS I, II)**
  - ✓ Member of the committee for the Central Nervous System Spine & Paediatrics
  - ✓ Local organizer of the ERASMUS MRI course Central Nervous System II, 1-5 September 2019, in Heraklion Crete
  - ✓ Participation as faculty member in 2013, 2019

- **European Course in Neuroradiology, Diagnostic and Interventional (Pierre Lasjaunias European Course in Neuroradiology)**

Participation as faculty member in 2014, 2016, 2022

- **Examiner for the European Diploma in Diagnostic Neuroradiology**

Belgrade 2016, Rotterdam 2018, Oslo 2019, online 2021, Lisbon 2022, Vienna 2023, Paris 2024, Istanbul 2025

## **9. REVIEWER IN SCIENTIFIC MAGAZINES**

- Neuroradiology
- European Radiology (topic : Neuro)
- European Journal of Neurology
- Lupus
- Lupus Science and Medicine
- Journal of Comparative Neurology
- Neuroimage
- Journal of Neuroimaging
- Journal of Alzheimer's disease
- Hellenic Journal of Radiology
- Clinical Neuroradiology
- Brain Sciences
- Neuropsychiatric Disease and Treatment
- Diagnostics
- Hippocratia Journal
- RMD open
- Case reports in Radiology
- Concussion
- Clinical case reports journal
- European Journal of Clinical and Experimental Medicine
- Annals of the internal medicine clinical cases

---

## **10. INVITED LECTURES**

### **10.1 INTERNATIONAL CONGRESSES**

1. “White matter diseases” 2<sup>nd</sup> EMCMRI, (Eastern Mediterranean Congress of Magnetic Resonance Imaging). Athens, Greece, October 2004.
2. “Intracranial hemorrhage and vascular lesions”. 5<sup>th</sup> Aegean Postgraduate Radiology Course. Heraklion, Greece, 28-30 September 2007.
3. “Neuroimaging of demyelinating disorders”. 3<sup>rd</sup> Aegean meeting on Neurologic therapeutics. Heraklion, Greece, 25-27 May 2007.
4. “Demyelinating disease”. Invited lecture at Mount Sinai School of Medicine, New York, USA, May 2008.
5. “CNS malignancies”. ESOR GALEN Foundation Course on Neuro/Musculoskeletal Radiology. Lublin, Poland, 27-29 June 2008.
6. “CNS tumors: postoperative evaluation”. 8<sup>th</sup> Balkan Congress of Radiology. Alexandroupolis, Greece, 29-31 October 2010.
7. “Stroke: diagnosis and therapy”. ESOR GALEN Foundation Course on Neuroradiology. Iasi, Romania, 12-14 May 2011.
8. “Stroke: diagnosis and therapy”. ESOR GALEN Foundation Course on Neuroradiology. Novi Sad, Serbia, 26-28 April 2012.
9. “Neuroimaging in multiple sclerosis with conventional and advanced MRI techniques”. 8<sup>th</sup> Aegean meeting on Neurologic therapeutics. Heraklion, Greece, 9-11 June 2012.

- 10.** “Hyperintensities on DWI”. ERASMUS course on MRI-Central Nervous System I, Thessaloniki, Greece, 12-16 June 2013.
- 11.** “Demyelinating diseases of the brain” 11<sup>th</sup> Balkan Congress of Radiology. Ohrid, Scopjia, 3-6 October 2013.
- 12.** “MS and other idiopathic inflammatory CNS diseases: diagnostic criteria and mimic” Pierre Lasjaunias European Course in Neuroradiology, 12<sup>th</sup> cycle, 4<sup>th</sup> course of “Trauma and degenerative disease. Athens, Greece, 6-10 April 2014.
- 13.** “Imaging in SLE: MRI, fMRI, PET and molecular imaging”. 9<sup>th</sup> European Lupus Meeting. Athens, Greece, 23-26 April 2014.
- 14.** “CNS infections”. ESOR GALEN Foundation Course on Neuroradiology. Wroklaw, Poland, 26-28 June 2014.
- 15.** «Postoperative spine”. 12<sup>th</sup> Balkan Congress of Radiology, Istanbul, Turkey, 16-19 October 2014.
- 16.** “Advances in multiple sclerosis”. ESOR AIMS-Advanced Neuroimaging, Curitiba, Brazil 27-28 August 2015.
- 17.** “Advances in multiple sclerosis”. ESOR AIMS-Advanced Neuroimaging, Bello Horizonte, Brazil 29-30 August 2015.
- 18.** “MS and other idiopathic inflammatory CNS diseases: diagnostic criteria and mimic”. Pierre Lasjaunias European Course of diagnostic and interventional Neuroradiology, 13<sup>rd</sup> cycle, 4<sup>th</sup> course of “Trauma and degenerative disease. Rhodes, Greece, 19-23 April 2016.
- 19.** “Dementia: conventional and advanced neuroimaging” 39<sup>th</sup> European Society of Neuroradiology (ESNR) Annual meeting. Belgrade, Serbia, 16-18 September 2016.

20. “MRI in Dementia” 14<sup>th</sup> Balkan Congress of Radiology, Thessaloniki, Greece, 13-15 October 2016.
21. “Traumatic brain injury” ESOR GALEN Foundation Course on Neuroradiology. Prague, Czech Republic, 25-27 May 2017.
22. “Depression in Alzheimer’s dementia” 40<sup>th</sup> European Society of Neuroradiology (ESNR) Annual meeting. Malmo, Sweden, 13-17 September 2017.
23. “Update on imaging of malignant head and neck tumors” 15<sup>th</sup> Balkan Congress of Radiology, Budapest, Hungary, 12-14 October 2017.
24. “Depression in Alzheimer’s dementia” 16<sup>th</sup> Balkan Congress of Radiology, Kusadasi, Turkey, 4-6 October 2018.
25. “Update on neuroimaging in Traumatic Brain Injury”, 16<sup>th</sup> Balkan Congress of Radiology, Kusadasi, Turkey, 4-6 October 2018.
26. “Diagnosis and treatment of intracranial hypotension” European Congress of Radiology, Vienna, Austria, 27<sup>th</sup> Feb - 03<sup>rd</sup> March 2019.
27. “Spinal imaging of intracranial hypotension”. ERASMUS MRI course CNS II spinal and pediatric imaging. Heraklion, Greece, 1-5 September 2019.
28. “Gadolinium deposition in the brain” 17<sup>th</sup> Balkan Congress of Radiology, Heraklion Greece, 17-19 October 2019.
29. “Myelin content changes in Mild Cognitive Impairment and Alzheimer’s disease, quantified by advanced brain MRI and associated with neuropsychiatric alterations” NEUREX WORKSHOP, Strasbourg 16<sup>th</sup> March 2020 (online).
30. “Diagnosis and treatment of intracranial hypotension” European Congress of Radiology, Vienna, Austria, September 2020 (online).

31. “Imaging of intracranial hypotension” Congress of the French Society of Neuroradiology and Neurosurgery, Lyon France 28-30 March 2022 (online).
32. “Imaging of dementia and other neuropsychiatric disorders” 13th IDKD Greece 2022 Diseases of the Brain, Head and Neck, Spine. September 2 – 4, 2022, Vouliagmeni (Athens), Greece
33. “Update of neuroimaging in acute ischemic stroke” Radiology International, Radiology in Crete, Elounda , October 2-8, 2022.
34. “Advances in neuroimaging of multiple sclerosis” Bayer from Head to Toe, November 12<sup>th</sup> 2022, online
35. “Neuroimaging in multiple sclerosis” ESOR foundation course in Neuroradiology, June 7<sup>th</sup> 2023 (online)
36. “Neuroimaging in non-MS idiopathic inflammatory demyelinating disorders”. ESOR foundation course in Neuroradiology, June 7<sup>th</sup> 2023 (online)
37. “wake up cases” spine , ESNR Vienna 22-24<sup>th</sup> September 2023
38. “. Non-MS idiopathic demyelinating diseases (MOGAD, NMOSD, etc.) and differential diagnosis from MS “, 18<sup>th</sup> Balkan Congress of Radiology, Belgrade 19-20<sup>th</sup> October 2023
39. “ Neuroimaging cases” 19th BCR Cesme October 2024.
40. “SWI in neuroimaging” 19th BCR Cesme October 2024.
41. “Perfusion in glioma” Intracranial Glioma Workshop: From A to Z, Athens, 24<sup>th</sup> - 27<sup>th</sup> May 2025
42. “Update on neuroimaging” Cyprus multidisciplinary scientific radiological Summit, Nicosia, 24<sup>th</sup> May 2025
43. “ Advances in multiple sclerosis” 25 NewBridge’s Annual Neurology Summit Istanbul 24-25 April 2025
44. “ Imaging of glioma” ESOR GALEN Foundation Course on Neuroradiology 7/6 2025
45. “ Spinal Cord Lesions: How to Make the Differential Diagnosis?” ESOR GALEN Foundation Course on Neuroradiology 7/6 2025

46. “Adult back pain” 48th ESNR annual meeting, Istanbul, 17-21 September 2025
47. “The role of AI in Neuroradiology”, Romanian Congress of Radiology, Bucharest, 25-27 September 2025
48. “ Neuroimaging cases” 20th BCR Heraklion, 9-11 October 2024.

## 10.2 Greek Scientific Conferences – Educational Events

1. **Round Table:** “Fetal radiation during radiological examinations and radiotherapy”  
E. Papadaki: “Exposure to radiation and radioprotection of pregnant employees in Radiology Laboratories,” 6th University Radiology Congress, Larissa, 1996.
2. **Round Table:** “Education in Radiology in Greek University Hospitals”  
E. Papadaki: “Radiology education at University Hospital of Heraklion,” 6th University Radiology Congress, Larissa, 1996.
3. **Round Table:** “EAR guidelines for General Radiology education: Implementation in Greek University Hospitals”E. Papadaki: “General recommendations of EAR for residency training,” 7th University Radiology Congress, Heraklion, 1997.
4. **Round Table:** “Radiology specialization in Greece: Proposal for evaluation and utilization”E. Papadaki: “Radiology education at University Hospital of Heraklion,” 11th Panhellenic Radiology Congress, Thessaloniki, 1998.
5. **Round Table:** “Fetal radiation during radiological examinations and radiotherapy: Assessment and management”E. Papadaki: “Occupational exposure of pregnant women to radiation,” 5th Panhellenic Radiotherapy-Oncology Congress, Thessaloniki, 1999.
6. “University research protocols”E. Papadaki: “Application of novel MRI techniques in multiple sclerosis,” 15th University Radiology Congress, Athens, 2005.
7. **Round Table:** “Tumors of the sella turcica and parasellar region”  
E. Papadaki: “Radiological imaging of sella turcica tumors,” 8th Panhellenic Radiotherapy-Oncology Congress, Agia Pelagia, Crete, June 15-18, 2006.
8. **Round Table:** “Sella and parasellar region tumors”  
E. Papadaki: “Imaging of sella turcica, pituitary, and parasellar region,” 2nd

Neurosurgery Postgraduate Seminar, School of Medicine, University of Crete, Heraklion, July 7-8, 2006.

9. **Round Table:** “Emergencies in Neuroradiology”  
E. Papadaki: “Intracranial hemorrhage – Cerebral vascular diseases,” 16th University Radiology Congress, Alexandroupoli, September 22-24, 2006.
10. **Round Table:** “Imaging of pre- and post-synaptic receptors in Parkinson’s syndromes and idiopathic tremor”  
E. Papadaki: “Imaging Parkinson’s syndromes with advanced techniques,” Scientific Symposium “Nuclear Medicine – Neurology,” Heraklion, November 24, 2007.
11. **Round Table:** “Clinical assessment of dementias and imaging methods”  
E. Papadaki: “MRI imaging of dementia syndromes,” Scientific Symposium “Nuclear Medicine – Neurology,” Heraklion, November 24, 2007.
12. **Round Table:** “Stroke and imaging methods”  
E. Papadaki: “Novel MRI techniques,” Scientific Symposium “Nuclear Medicine – Neurology,” Heraklion, November 24, 2007.
13. **Round Table:** “Diagnosis and follow-up of brain tumors”  
E. Papadaki: “Novel MRI techniques,” Scientific Symposium “Nuclear Medicine – Neurology,” Heraklion, November 24, 2007.
14. **Round Table:** “Radiodiagnosis, radiotherapy, and pregnancy”  
E. Papadaki: “Occupational exposure of pregnant women to radiation,” 14th Pan-Cretan Congress, Rethymno, October 29 – November 1, 2008.
15. **Round Table:** “Clinical applications of advanced imaging techniques in detection and characterization of common primary tumors”  
E. Papadaki: “Glioma,” 14th Pan-Cretan Congress, Rethymno, October 29 – November 1, 2008.
16. **Round Table:** “Current trends in imaging and differential diagnosis of CNS tumors”  
E. Papadaki: “Imaging techniques in the diagnostic and therapeutic approach to brain tumors,” 3rd Neurosurgery Postgraduate Seminar, University of Crete, Heraklion, September 23-25, 2009.
17. E. Papadaki: “Contribution of MRI in imaging angiogenesis,” 17th Postgraduate Oncology Congress, Heraklion, November 4-8, 2009.
18. **Round Table:** “Genetics and neuroimaging in dementia”  
E. Papadaki: “Neuroimaging and dementia,” 2nd Pan-Cretan Interdisciplinary Meeting on Alzheimer’s Disease, Heraklion, October 8-10, 2010.

19. **Round Table:** “The role of Nuclear Medicine in brain tumor imaging”  
E. Papadaki: “Role of MRI in imaging neoplastic brain diseases,” 22nd Hellenic Society of Nuclear Medicine Congress, Alexandroupoli, April 8-10, 2011.
20. **Round Table:** “Multiple sclerosis: novel imaging data”  
E. Papadaki: “Neuroimaging diagnostic criteria,” Neurology Clinic Symposium, PAGNI, Heraklion, November 23, 2011.
21. **Round Table:** “Neurology meets Ophthalmology: case presentation and discussion”  
E. Papadaki: “Imaging evaluation,” Ophthalmological Society of Crete Symposium, Heraklion, December 10, 2011.
22. **Round Table:** “Applications of advanced imaging methods in Neuro-oncology”  
E. Papadaki: “Advanced MRI techniques,” 11th Panhellenic Nuclear Medicine Congress, Athens, March 30 – April 1, 2012.
23. **Round Table:** “Multiple sclerosis”  
E. Papadaki: “Novel MRI imaging techniques in MS,” Scientific Symposium of Neuroscience Academy, Skiathos, May 11-12, 2012.
24. **Round Table:** “Clinical assessment of dementias and imaging methods”  
E. Papadaki: “MRI imaging of dementia syndromes,” Scientific Symposium “Imaging in Neurology and Neurosurgery – Latest Advances,” Heraklion, June 30, 2012.
25. **Round Table:** “Stroke and imaging methods”  
E. Papadaki: “Novel MRI techniques in stroke imaging,” Scientific Symposium “Imaging in Neurology and Neurosurgery – Latest Advances,” Heraklion, June 30, 2012.
26. **Round Table:** “Diagnosis and follow-up of brain tumors”  
E. Papadaki: “Novel MRI techniques in brain tumor imaging,” Scientific Symposium “Imaging in Neurology and Neurosurgery – Latest Advances,” Heraklion, June 30, 2012.
27. **Round Table:** “Imaging of pre- and post-synaptic receptors in Parkinson’s syndromes and idiopathic tremor”  
E. Papadaki: “MRI imaging in Parkinson’s syndromes,” Scientific Symposium “Imaging in Neurology and Neurosurgery – Latest Advances,” Heraklion, June 30, 2012.
28. **Round Table:** “Contribution of imaging in Oncology”  
E. Papadaki: “CNS tumors,” 5th Summer School of Clinical Oncology, Heraklion, July 23-29, 2012.

29. **Round Table:** “Neuroimaging in dementia”E. Papadaki: “Contribution of advanced MRI techniques in dementia imaging,” 3rd Pan-Cretan Interdisciplinary Meeting on Alzheimer’s Disease, Heraklion, September 28-30, 2012.
30. **Interactive Seminar:** “Lumbar disc degeneration: pathophysiology, diagnostic approach, medical errors, evidence-based therapy” E. Papadaki: “Radiological evaluation of lumbar disc degeneration,” 68<sup>th</sup> Panhellenic Orthopedic Congress Athens, October 3-6, 2012.
31. **Round Table:** “Brain MRI”E. Papadaki: “High signal in diffusion sequences,” 18th Panhellenic Radiology Congress, Athens, October 12-14, 2012.
32. **Round Table:** “Radiology – Modern applications in diagnostic and therapeutic radiology”E. Papadaki: “New applications of medical imaging in CNS diseases,” 16th Pan-Cretan Medical Congress, Agios Nikolaos, October 25-28, 2012.
33. **Round Table:** “New data in multiple sclerosis” E. Papadaki: “MRI imaging with novel techniques in patients using natalizumab with suspected PML,” Neuroscience Postgraduate Seminar, Heraklion, April 13-14, 2013.
34. **Round Table:** “Recent advances in diagnosis and therapeutic management of stroke (CVA)”E. Papadaki: “Novel data in stroke imaging,” Neuroscience Postgraduate Seminar, Heraklion, April 13-14, 2013.
35. **Round Table:** “CNS diseases with ophthalmologic interest” E. Papadaki: “Imaging approach of CNS diseases with ophthalmologic involvement,” Neuroscience Postgraduate Seminar, Heraklion, April 13-14, 2013.
36. E. Papadaki: “Latest in head and neck imaging with CT and MRI,” ENT Seminar “Advances in ENT 2013,” Heraklion, June 7-8, 2013.
37. **Round Table:** “Emergencies in children”E. Papadaki: “CNS emergencies,” 21st University Radiology Congress, Heraklion, November 7-10, 2013.
38. **Clinical Workshop I:** “Demyelinating diseases and systemic lupus erythematosus”E. Papadaki: “Neuroimaging in CNS demyelinating diseases,” 5th Cretan-Cypriot Rheumatology Symposium, Heraklion, November 8-9, 2013.

39. “Clinical applications in MRI”E. Papadaki: “Neuroradiology – Modern clinical applications,” EFIE Scientific Symposium, Heraklion, November 10, 2013.
40. **Round Table:** “Role of imaging in trauma”  
E. Papadaki: “CNS trauma,” 17th Pan-Cretan Medical Congress, Lasithi, October 30 – November 2, 2014.
41. **Round Table:** “Multiple sclerosis: contemporary clinical and imaging approach”E. Papadaki: “Application of novel MRI techniques in MS: from research to clinical practice,” 19th Panhellenic Radiology Congress, Athens, December 19-21, 2014.
42. **Round Table:** “Multiple sclerosis”E. Papadaki: “Neuroradiology,” Intense Course in Neurology on MS, Athens, March 27-29, 2015.
43. **Round Table:** “Intracranial aneurysms (state-of-the-art). Imaging and management” E. Papadaki: “CT imaging,” 22nd University Radiology Congress, Athens, November 12-14, 2015.
44. **Round Table:** “Clinical applications in MRI”E. Papadaki: “Neuroradiology – Modern clinical applications,” EFIE Scientific Symposium, Athens, November 15, 2015.
45. **Neuroradiology Seminar:**E. Papadaki: “Demyelinating diseases,” Neurology Days 2015, Larissa, December 4-6, 2015.
46. E. Papadaki: “Neuroimaging and Rheumatology: experience from the SLE cohort in Crete,” 10th Clinical Radiology Workshop – Musculoskeletal, Heraklion, July 8-10, 2016.
47. **Round Table:** “Dementia and Alzheimer’s disease”  
E. Papadaki: “MRI imaging of dementia,” Scientific Symposium Nuclear Medicine – Neurology, Heraklion, September 10, 2016.
48. **Round Table:** “Space-occupying brain lesions”E. Papadaki: “Imaging malignant brain tumors with non-conventional MRI techniques,” Scientific Symposium Nuclear Medicine – Neurology, Heraklion, September 10, 2016.
49. **Round Table:** “Stroke (CVA)”E. Papadaki: “Role of imaging in acute stroke,” Scientific Symposium Nuclear Medicine – Neurology, Heraklion, September 10, 2016.
50. **Round Table:** “Epilepsy”E. Papadaki: “MRI in epilepsy imaging,” Scientific Symposium Nuclear Medicine – Neurology, Heraklion, September 10, 2016.

51. **Interactive Seminar:** “Differential diagnosis of dementia (case presentation)”  
5th Pan-Cretan Interdisciplinary Congress on Alzheimer’s Disease & 1st Panhellenic Congress on Active and Healthy Ageing, Heraklion, September 23-25, 2016.
52. **Round Table:** “Meeting of Hellenic Radiology Society with Nuclear Medicine and Molecular Imaging Society – Brain lesions”  
E. Papadaki: “Non-conventional MRI techniques,” 20th Panhellenic Radiology Congress, Athens, November 4-6, 2016.
53. E. Papadaki: “Application of non-conventional MRI techniques in the diagnostic approach of dementias,” 23rd Interuniversity Radiology Conference, Alexandroupoli, September 21-23, 2017.
54. **Round Table:** “Involvement of vital organs in SLE (I): Neuropsychiatric disease”  
E. Papadaki: “Neuroimaging in neuropsychiatric SLE,” 2nd SLE School, Athens, December 1-2, 2017.
55. **Round Table:** “CNS – Head & Neck: Gliomas”  
E. Papadaki: “Post-therapy imaging,” 6th Continuing Professional Education in Radiology Conference, Athens, October 6-8, 2017.
56. **Round Table:** “Neurology”  
E. Papadaki: “MRI imaging of Alzheimer’s disease,” 14th Panhellenic Nuclear Medicine Congress, Heraklion, June 2018.
57. **Round Table:** “Gray zones in brain disease diagnosis: How to avoid them”  
E. Papadaki: “MS vs non-MS lesions: how to differentiate,” 21st Panhellenic Radiology Congress, December 7-9, 2018.
58. **Round Table:** “Decalogue for stroke management”  
E. Papadaki: “CT perfusion – MR perfusion,” 24th University Radiology Congress, Patras, November 14-16, 2019.
59. **Round Table:** “Do not miss lesions in emergency radiology”  
E. Papadaki: “Central Nervous System,” 24th University Radiology Congress, Patras, November 14-16, 2019.
60. “Differential diagnosis and advanced imaging techniques in MS,” 10th Neuroradiology Webinar, EAE, June 15, 2021 (online).
61. **Round Table:** “Deep cervical abscesses”  
E. Papadaki: “Role of imaging in diagnosis of deep cervical infections,” 21st Panhellenic Otorhinolaryngology Congress, Thessaloniki, March 17-20, 2022.

62. “Quantitative identification of brain microstructural, perfusion, and functional connectivity disturbances in neuropsychiatric SLE based on non-conventional MRI techniques,” 11th Research Seminar, School of Medicine – FORTH – KEME, March 23, 2022.
63. **Round Table:** “CNS” E. Papadaki: “Contribution of neuroimaging in detecting structural, hemodynamic, and functional alterations in SLE,” 25th University Radiology Congress , Ioannina, May 12-15, 2022.
64. “Bring Your Case (Neuroradiology),” Webinar Series, Bayer, May 18, 2022 (online).
65. “Imaging of rheumatologic diseases in head and neck,” 4th Musculoskeletal Radiology Summer School, Heraklion, June 24-26, 2022.
66. “Imaging in Ophthalmology,” 4th Cretan Hands-on Ophthalmology, Heraklion, October 7-9, 2022.
67. “What’s new in neuroimaging: Radiology past, present, future,” Radiology Society of Crete, November 4, 2022.
68. “Neuroimaging in neuropsychiatric SLE,” 5th SLE School, Athens, November 25-26, 2022.
69. “MS mimics,” 17th Neurology Symposium, Ioannina, May 4-7, 2023.
70. **Round Table:** “Current concepts in immune-related CNS diseases” E. Papadaki: “Neuroimaging: current status and perspectives,” 4th Immunology Workshop for Clinicians, Heraklion, June 16-18, 2023.
71. **Round Table:** “Advances in MRI imaging” E. Papadaki: “CNS diseases,” 20th Pan-Cretan Congress, October 27-29, 2023.
72. **Round Table:** “Latest in diagnosis and treatment of cerebrovascular stroke” E. Papadaki: “Neuroimaging in stroke,” 1st Multispecialty Conference, Medical Association of Heraklion, SIMA 2023, Heraklion, November 3-5, 2023.
73. **Round Table:** “Degenerative brain diseases – Epilepsy” E. Papadaki: “Dementia,” 23rd Panhellenic Radiology Congress, Athens, December 7-10, 2023.
74. **Round Table:** “Neuroimaging: Neuroinflammation and neurodegeneration of the CNS” E. Papadaki: “Novel MRI techniques and multiple sclerosis,” 10th Panhellenic Conference of Hellenic Academy of Neuroimmunology, Thessaloniki, December 14-17, 2023.

75. “Novel MRI techniques and multiple sclerosis,” 10th Panhellenic Conference of Hellenic Academy of Neuroimmunology, Thessaloniki, December 2024.
76. Interuniversity Radiology Conference 2024.
77. “Neuroimaging at 3 Tesla: Multidimensional role of medical imaging from diagnosis to therapy,” Radiology Society of Crete Symposium, Heraklion, November 8, 2024.
78. AIDS Symposium, 2025.
79. Dermatology – Brain perception of beauty, 2025.
80. NEUROTEAM KEK, 2025.
81. MS Symposium, Thessaloniki, 2025.
82. Panhellenic Oncology, Louros – Perfusion in Glioma, 2025.
83. Panhellenic Radiology Conference 2025 – SWI techniques.

### **10.3. MODERATOR IN INTERNATIONAL CONGRESSES**

1. Workshop: “how to increase your diagnostic specificity in neuroradiology with new MR techniques” Chairpersons: Pantelidis N, Papadaki E, 5th Aegean Postgraduate Radiology Course , Heraklion, 28-30 September 2007.
2. Lecture and scientific papers: “Neuroradiology in UEMS- a new professional development in Europe”, Scientific papers 8 (TE 5): Advanced imaging modalities I” Chairpersons: Sunaert S, Papadaki E, 34th ESNR Annual meeting, Athens, 17-20 September 2009.
3. Scientific papers “Latest development in Neuroimaging”, SS 1811a, Neuro, Moderators: Haller S, Papadaki E , 23rd ECR , Vienna 7-11 March 2013.
4. Scientific papers “MS and other demyelinating brain diseases” Chairpersons : E. Papadaki, Tatjana Stosic-Opincal, 41st ESNR Annual meeting, Rotterdam, 19-23 September 2018.
5. Lectures “Head and Neck” Moderators: N. Traykova, E. Papadaki BCR 2017
6. Lectures “Neuroradiology II” Moderators: G. Calli - E. Papadaki BCR 2018

7. Lectures “Neuroradiology I” Moderators: D. Zlatareva - E. Papadaki BCR 2019

8. Scientific papers: Oncologic Imaging - Neurooncology: making the most of quantitative imaging (SS 1416) Moderators: E.Papadaki, Ilaria Pesaresi, ECR, Vienna 2019

9. Glioma workshop 2024

10. BCR 2023

11. BCR 2024

12. Ecr 2025

13. Glioma workshop 2025

14. BCR 2025

## **11. Research Work**

### **11.1 Research Interests**

#### **Optimization and Application of Non-Conventional MRI Techniques in the CNS**

- Molecular diffusion techniques: DWI, DTI, multi-b values DWI
- Perfusion imaging techniques: DCE, DSC
- Magnetic Resonance Spectroscopy (MRS)
- Multi-echo T2 sequences
- Multi-echo T2\* sequences for quantitative iron assessment
- Functional MRI (task-related and resting-state fMRI)

#### **Neuroimaging of Central Nervous System Disorders**

- White matter diseases
- Neoplastic disorders
- Autoimmune diseases (e.g., systemic lupus erythematosus – SLE)
- Epilepsy
- Traumatic brain injury
- Neurodegenerative disorders
- Alzheimer’s disease and dementia
- Stroke
- Trauma

## Head and Neck Imaging

- Orbital disorders
- Paranasal sinus diseases
- Head and neck neoplasms
- Lymphadenopathy

## Artificial Intelligence in Neuroradiology

- Machine learning approaches in CNS diseases
- Applications in TBI, systemic lupus erythematosus and demyelinating diseases

## 11.2 PARTICIPATION IN FUNDED RESEARCH PROJECTS

1. Mental Simulation of Action-MESI. **Aristeia II Program**, Operational Programme for Education and Lifelong Learning 2007-2013 (E.P.E.D.V.M.) of the NSRF (2007 - 2013), 2014-Fall 2015.
2. Advanced Age: Designing a protocol for the Evaluation of Cognitive Functions and Quality of Life and Evidence-Based Interventions. **Cross-border Cooperation Programme “Greece-Cyprus 2007-2013”**, co-financed by European Union and National Funds. (2012- 2014).
3. Project 1, Multidisciplinary Network for the Study of Alzheimer's Disease. **Thalis program**, co-financed by the European Union (European Social Fund - ESF) and Greek national funds through the Operational Program “Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF) (2013- 2015).
4. Parallel algorithms for very large tensor processing (**PARTENSOR**; Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK)).
5. Cognitive, psychoemotional and neuroimaging predictors of disease progression in the early stages of Multiple Sclerosis. **Hellenic Foundation for Research and Innovation**, Post-Doctoral Fellowship Grants. 2017 (grant no. 1439)

6. Assigning Meaning to the Actions of Other Subjects: Neural Correlates. **Hellenic Foundation for Research and Innovation**, Faculty members Fellowship Grants. 2020
7. Neuroimaging correlates of cognitive and psychoemotional manifestations in Systemic Lupus Erythematosus. **Hellenic Foundation for Research and Innovation**, Post-Doctoral Fellowship Grants. 2021 (Project Number: 1220).
8. Social emotion PERception, Relational capabilities and WELL-being: Within and cross-culture examination (PERWELL). **ΓΓΕΤ. 2021** μέσω ΕΛΚΕ ( grant number 10413)
9. Brain Networks in Learning (BNL-GA895465)» **H2020-MSCA-IF-2019, HORIZON 2020**
10. Subjective Cognitive Decline: Lifestyle Habits, Psychosocial and Neuroimaging Features, and Individualized Risk Factors **Hellenic Foundation for Research and Innovation**, Faculty members Fellowship Grants. 2025

### 11.3. Ongoing Research Protocols (see also detailed publication list)

1. **Study of patients with clinically isolated syndrome and multiple sclerosis** using perfusion MRI techniques (T1DCE, T2DSC), *diffusion imaging (multi-b DWI, Diffusion Tensor Imaging)*, *multiexponential T2*, *multiexponential T2* for iron quantification, and resting-state functional MRI, combined with machine learning approaches to develop diagnostic and predictive models. The aim is to apply these methods for diagnosis, prognosis, and therapeutic management, correlate with neuropsychological data, and improve understanding of disease pathophysiology. This study is part of 2 completed and 2 ongoing PhD theses and is included in a research program funded by the Hellenic Foundation for Research and Innovation, Post-Doctoral Fellowship Grants (2017). To date: 15 publications in international journals, 27 oral presentations at international conferences, and 10 oral presentations at Greek conferences (2 awards).
2. **Application of non-conventional MRI techniques** (perfusion: T2\*DSC, diffusion: multi-b DWI, DTI, multiexponential T2, resting-state fMRI) **in patients with neuropsychiatric systemic lupus erythematosus (NPSLE)** and systemic lupus erythematosus (SLE) without neuropsychiatric manifestations.

Aim: diagnosis, differential diagnosis, prognosis, therapeutic guidance, and correlation with neuropsychological data. Part of 1 completed PhD thesis, within a research program funded by the Hellenic Foundation for Research and Innovation, Post-Doctoral Fellowship Grants (2021). To date: 1 book chapter (1 additional international publication under review), 8 international journal articles, 9 oral presentations at international conferences, and 2 oral presentations at Greek conferences (1 award, participation in the Inter-University Research Session, 20th Inter-University Radiology Conference, Larissa 2011).

3. **Study of dementia syndromes** using non-conventional MRI techniques (perfusion: T2\*DSC, diffusion: multi-b DWI, DTI, multiexponential T2, resting-state fMRI) for pathophysiology, diagnosis, differential diagnosis, prognosis, and therapeutic guidance, with correlation to neuropsychological data. Part of 1 completed PhD thesis, within 3 research programs (Cross-border Cooperation Program “Greece-Cyprus 2007-2013” and Thalys Program Hellenic Foundation for Research and Innovation Faculty Members Fellowship Grants 2025). To date: 2 international journal articles, 2 oral presentations at international conferences (1 award), and 1 oral presentation at a Greek conference.
4. **Optimization and application of functional MRI techniques** (task-related and resting-state fMRI) for studying normal brain function in healthy volunteers and functional alterations in patients with various CNS diseases. Part of 5 research programs (Aristeia II, PARTENSOR; Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK), Hellenic Foundation for Research and Innovation Faculty Members Fellowship Grants 2020, PERWELL GSRT 2021, H2020-MSCA-IF-2019, HORIZON 2020) and 2 PhD theses (1 completed). To date: 10 publications in international journals, 5 oral presentations at international conferences, and 2 oral presentations at Greek conferences (1 award, participation in the Inter-University Research Session, 23rd Inter-University Radiology Conference, Alexandroupolis 2017).
5. **Study of post-stroke patients** using perfusion MRI (T2\*DSC), diffusion imaging (DTI), and resting-state fMRI to detect hemodynamic, structural, and functional changes and correlate with neuropsychological data. Part of 1 PhD thesis. To date: 2 publications, 2 oral presentations at international conferences, and 1 oral presentation at a Greek conference.
6. **Study of CNS neoplasms** using non-conventional MRI (perfusion: T1DCE, T2\*DSC; diffusion: multi-b DWI, DTI; functional MRI) and radionuclide imaging (SPECT), combined with machine learning approaches. Aim: diagnosis, differential diagnosis, prognosis, and therapeutic guidance. Part of 1 completed PhD thesis. To date: 1 original international publication (plus 4 case reports), 4 oral presentations at international conferences, and 2 oral presentations at Greek conferences.
7. **Application of optimized CT and MRI techniques for orbital diseases.** Part of 4 ongoing and 1 completed PhD theses. To date: 15 international journal publications, 3 oral presentations at international conferences.
8. **Application of optimized MRI techniques** (multiexponential T2, multiexponential T2\* for iron quantification, multi-b diffusion) in prospective studies of patients with multiple sclerosis, SLE, neurodegenerative disorders, and CNS neoplasms. Part of 2 PhD theses (1 completed). To date: 5

international publications, 3 oral presentations at international conferences, 1 oral presentation at a Greek conference.

9. **Application of optimized MRI techniques** (multiexponential T2, multiexponential T2\* for iron quantification, multi-b diffusion) in patients with **TBI**. To date: 2 international publications, 4 oral presentations at international conferences
10. **Application of MRI for imaging hyperglycemia in stroke patients**. Part of 1 PhD thesis.

---

## 11.4. Participation in Doctoral Theses

### 11.4.1 As Principal Supervisor

#### PhD Graduates – University of Crete (Thesis Titles)

- **Eleftherios Kavroulakis** (completed February 2018)  
*“Study of water signal changes in white matter in patients with mild cognitive impairment and Alzheimer’s disease.”*
- **Eleftherios Kontopodis** (completed July 2020)  
*“Multiparametric Analysis of Quantitative Indices from Various Non-Conventional MRI Techniques in Patients with Multiple Sclerosis (MS) and Clinically Isolated Syndrome (CIS).”*

#### Current PhD Candidates – University of Crete (Thesis Titles)

- **Katina Manolitsi**  
*“Hemodynamic and functional changes in the brain parenchyma of patients with mild chronic traumatic brain injury (mild TBI) and correlation with neuropsychological data.”*
- **Eliza Kompoliti**  
*“Quantification of iron deposition in the brain parenchyma of patients with multiple sclerosis and correlation with disease activity, severity, and progression.”*

---

### 11.4.2 Member of PhD Advisory Committee (Three-Member Committee)

#### PhD Graduates – University of Crete (Thesis Titles)

- **Maria Damboudi** (completed)

*“Advanced MRI Techniques vs. SPECT in the Evaluation of Malignant Gliomas.”*

- **Dimitrios Theodoropoulos** (completed)

*“Non-Invasive Assessment of Intracranial Pressure from CT Images Using Artificial Intelligence Methods.”*

- **Themis Boursianis** (completed)

*“Quality assurance in modern functional MRI (fMRI-BOLD) techniques using anthropomorphic phantoms: Applications to motor and visual cortex stimulation.”*

#### **Current PhD Candidates – University of Crete (Thesis Titles)**

- **Stefanos Ioannidis**

*“Hyperglycemia in acute ischemic stroke: Correlation with imaging features of the ischemic lesion and clinical parameters.”*

- **Dimitris Liakopoulos**

*“Development of a navigation system using multimodal imaging data for precise placement of radioactive plaques in brachytherapy patients.”*

- **Nikolaos Tsakalis**

*“The impact of Effective Orbital Volume and Ocular Rigidity as predisposing factors and prognostic biomarkers in the development of ocular hypertension in Graves’ disease.”*

- **Konstantinos Douglas**

*“Ultrasound elastographic study of ocular and periocular tumors: Clinical and MRI correlations.”*

- **Paraskevi Vivian Douglas**

*“Ultrasound elastographic study in Graves’ orbitopathy: Clinical and MRI correlations.”*

- **Stefanos Chatzidakis**

*“Asymptomatic Carotid Stenosis: Analysis of Natural Disease Progression Using Radiographic Data.”*

---

#### **11.4.3 Member of PhD Advisory Committee (Seven-Member Committee)**

##### **PhD Graduates – University of Crete (Thesis Titles)**

- **Christina Fafila**

*“CT Techniques in the Study of Sacroiliac Joints.”*

- **Argyro Xyda**

*“Study and evaluation of regional brain perfusion parameters using a 128-slice CT scanner in patients with intracerebral neoplasms.”*

- **Theodora Panou**

*“Cognitive Functions and Multiple Sclerosis.”*

- **Antonios Fanourgiakis**

*“Study of the natural history, genetic, and immunological parameters in systemic lupus erythematosus: Neuropsychiatric lupus.”*

- **Georgios Kalaitzakis**

*“Advanced algorithmic techniques for quantitative MRI parameter assessment via 2D/3D parametric maps: Clinical applications in brain tumors, Multiple Sclerosis, Hemochromatosis, and Osteoporosis.”*

- **Anastasia Pentari**

*“Signal processing using graph-based and quantitative recursive techniques for biomarker set analysis.”*

---

## 11.5 Participation in Undergraduate Theses

### 11.5.1 As Principal Supervisor

**Undergraduate Thesis – Department of Biological Applications and Technology,  
University of Ioannina**

- **Ismini** **Spanaki**  
*“Quantitative assessment of demyelination in patients with multiple sclerosis and systemic lupus erythematosus using multiexponential T2 MRI sequence.”*

**Graduate Theses – University of Crete**

- **Kelly Sylaiou** – Neurosciences Program
- **Andrianna Bouranta** – Biomedical Engineering Program

## 12. Scientific Work – Publications

### 12.1 Doctoral Thesis

*“Study of Multiple Sclerosis Using Advanced Magnetic Resonance Imaging Techniques.”*

---

### 12.2 Book Chapters

1. **“Imaging of SLE”** – Theodor Rumetshofer, Efrosini Papadaki, Andreas Jönsen, Pia Sundgren, in *Imaging Neuroinflammation*, Editors: John Port, Cornelia Laule, Elsevier/Academic Press, 2022, in press.
  2. **“Non-conventional MRI techniques in Neuropsychiatric Systemic Lupus Erythematosus (NPSLE): Emerging tools to elucidate the pathophysiology and aid diagnosis and management”** – E. Papadaki, D. Boumpas, in *Neuroimaging Clinical Applications*, IntechWeb.org, 2012, edited by Peter Bright, pp. 441–467. DOI: 10.5772/24627.
  3. **“The Role of Computed and Magnetic Resonance Imaging in Traumatic Brain Injury”** – E. Papadaki, A. Karantanas, in *Traumatic Brain Injuries*, Editors: G. Chatzigeorgiou, E. Dardiotis, Vagianakis Medical Publications, 2012, pp. 128–143.
  4. **“Acquired Intracranial Infections”** – E. Papadaki, in *Clinical Radiology*, Konstantaras Medical Publications, Athens, 2012, pp. 436–445.
-

### 12.3. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΞΕΝΟΓΛΩΣΣΑ ΠΕΡΙΟΔΙΚΑ

(86, h-index =21, Citations=1395)

1. Theodoropoulos D, Trivizakis, E Marias K, Vakis A, Papadaki E, Karabetsos DA  
In Reply: Predicting Intracranial Pressure Levels: A Deep Learning Approach  
Using Computed Tomography Brain Scans. *Neurosurgery*Open source preview,  
2026, 98(1), pp. e10–e11
2. . The Hidden Challenge: Building Datasets for Artificial Intelligence-Based  
Intracranial Pressure Prediction. *World Neurosurg.* 2025 Sep 11;204:124483. doi:  
10.1016/j.wneu.2025.124483.
3. Boura I, Mitsias P, Erimaki S, Papadaki E, Spanaki C. A New Phenotype-Genotype  
Correlation for FIG4 and Parkinson's Disease. *Mov Disord Clin Pract.* 2025 Aug  
30. doi: 10.1002/mdc3.70319.
4. Theodoropoulos D, Trivizakis E, Marias K, Xirouchaki N, Vakis A, Papadaki E,  
Karantanas A, Karabetsos DA. Predicting Intracranial Pressure Levels: A Deep  
Learning Approach Using Computed Tomography Brain Scans. *Neurosurgery.*  
2025 Jul 28. doi: 10.1227/neu.00000000000003661.
5. Antypa D, Kafetsios K, Simos P, Kyvelea M, Kosteletou E, Maris T, Papadaki E,  
Hess U. Distinct neural correlates of accuracy and bias in the perception of facial  
emotion expressions. *Soc Neurosci.* 2024 Jun;19(3):215-228. doi:  
10.1080/17470919.2024.2403187.
6. Kagialis, A., Simos, N., Manolitsi, K., Vakis, A., Simos, P., & Papadaki, E. (2024).  
Functional connectivity-hemodynamic (un)coupling changes in chronic mild brain  
injury are associated with mental health and neurocognitive indices: a resting state  
fMRI study. *Neuroradiology*, 10.1007/s00234-024-03352-9. Advance online  
publication. <https://doi.org/10.1007/s00234-024-03352-9>
7. Theodoropoulos, D., Karabetsos, D. A., Vakis, A., Papadaki, E., Karantanas, A., &  
Marias, K. (2024). The current status of noninvasive intracranial pressure  
monitoring: A literature review. *Clinical neurology and neurosurgery*, 239, 108209.  
<https://doi.org/10.1016/j.clineuro.2024.108209>.
8. Perysinakis, I., Vassalou, E. E., Saridakis, G., Triantafyllou, M., Christodoulou, V.,  
Triantafylla, P., Papadaki, E., & De Bree, E. (2024). Postoperative Bowel

Obstruction as a Rare Complication of an Abdominal Drain. *Annali italiani di chirurgia*, 95(2), 132–135. <https://doi.org/10.62713/aic.3294>

- 9.** Emmanouilidou, E.; Kosmara, D.; Papadaki, E.; Mastorodemos, V.; Constantoulakis, P.; Repa, A.; Christopoulou, G.; Kalpadakis, C.; Avgoustidis, N.; Thomas, K.; et al. Progressive Multifocal Leukoencephalopathy in Systemic Lupus Erythematosus: A Consequence of Patient-Intrinsic or -Extrinsic Factors? *J. Clin. Med.* 2023, 12, 6945. <https://doi.org/10.3390/jcm12216945>
- 10.** Pentari, A., Simos, N., Tzagarakis, G., ...Boumpas, D.T., Papadaki, E.  
Altered hippocampal connectivity dynamics predicts memory performance in neuropsychiatric lupus: a resting-state fMRI study using cross-recurrence quantification analysis. *Lupus Science and Medicine*, 2023, 10(2), 000920
- 11.** Antypa, D., Simos, N.J., Panou, T. et al. Distinct hemodynamic and functional connectivity features of fatigue in clinically isolated syndrome and multiple sclerosis: accounting for the confounding effect of concurrent depression symptoms. *Neuroradiology* (2023). <https://doi.org/10.1007/s00234-023-03174-1>
- 12.** Nicholas J. Simos, Katina Manolitsi, Andrea I. Luppi, Antonios Kagialis, Marios Antonakakis, Michalis Zervakis, Despina Antypa, Eleftherios Kavroulakis, Thomas G. Maris, Antonios Vakis, Emmanuel A. Stamatakis & Efrosini Papadaki. Chronic Mild Traumatic Brain Injury: Aberrant Static and Dynamic Connectomic Features Identified Through Machine Learning Model Fusion. *Neuroinform* (2022). <https://doi.org/10.1007/s12021-022-09615-1>
- 13.** Liakopoulos DA, Perisinakis K, Solomou G, Kouvidakis A, Drakonaki EE, Bontzos G, **Papadaki E**, Detorakis ET. Individualized dosimetry in Ru-106 ophthalmic brachytherapy based on MRI-derived ocular anatomical parameters. *Brachytherapy*. 2022 Aug 19;S1538-4721(22)00114-3. doi: 10.1016/j.brachy.2022.07.001.
- 14.** **Papadaki Efrosini**, Simos Nicholas J, Kavroulakis Eleftherios, Bertsias George, Antypa Despina, Fanouriakis Antonis, Maris Thomas, Sidiropoulos Prodromos, Boumpas Dimitrios. Converging evidence of impaired brain function in Systemic Lupus Erythematosus: changes in perfusion dynamics and intrinsic functional connectivity. *Neuroradiology* 2022. Aug;64(8):1593-1604. doi: 10.1007/s00234-022-02924-x.

- 15.** Karakasis Paris, Liavas Athanasios, Sidiropoulos Nicholas, Simos Panagiotis, **Papadaki Efrosini**. Multi-subject task-related fMRI data processing via a two-stage generalized canonical correlation analysis. *IEEE Transactions on Image Processing* 2022.
- 16.** Kougkas Nikolaos, Kruger-Krasagakis Sabine-Elke, **Papadaki Efrosini**, Mastorodemos Vasileios. Successful treatment of highly active multiple sclerosis and psoriasis exacerbation with natalizumab and secukinumab combination. A case report and literature review. *Neuroimmunology Reports* 2022, 100054 doi: 10.1016/j.nerep.2022.100054.
- 17.** Kosteletou Emmanouela, Simos Panagiotis, Kavroulakis Eleftherios, Antypa Despina, Maris Thomas, Liavas Athanasios, Karakasis Paris, **Papadaki Efrosini**. Improving the Sensitivity of Task-Related Functional Magnetic Resonance Imaging Data Using Generalized Canonical Correlation Analysis. *Front Hum Neurosci*. 2021 Dec 14;15:771668. doi: 10.3389/fnhum.2021.771668.
- 18.** Pentari Anastasia, Tzagkarakis George, Tsakalides Panagiotis, Simos Panagiotis, Bertias George, Kavroulakis Eleftherios, Marias Kostas, **Papadaki Efrosini**. Changes in resting-state functional connectivity in neuropsychiatric Lupus: A dynamic approach based on recurrence quantification analysis. *Biomedical Signal Processing and Control*.2021. doi: 10.1016/j.bspc.2021.103285
- 19.** Boursianis Themis, Kalaitzakis George, Gourzoulidis G, Karantanis Apostolos., **Papadaki Efrosini**, Maris Thomas. Introduction of a new simple dynamic phantom for physical BOLD effect simulation. *Magnetic Resonance Materials in Physics, Biology and Medicine, MAGMA*. 2021 Oct 18 doi:10.1007/s10334-021-00968-3.
- 20.** Bontzos George, **Papadaki Efrosini**, Mazonakis Michail, Maris Thomas, Tsakalis Nikolaos, Drakonaki Eleni, Detorakis Efstathios. Extraocular Muscle Volumetry for Assessment of Thyroid Eye Disease. *J Neuroophthalmol*. 2021 Sep 30. doi: 10.1097/WNO.0000000000001339.

- 21.** Kontopodis Eleftherios, **Papadaki Efrosini**, Trivizakis Eleftherios, Maris Thomas, Simos Panagiotis, Papadakis George, Tsatsakis Aristidis, Spandidos Demetrios, Karantanas Apostolos, Marias Kostas. Emerging deep learning techniques using magnetic resonance imaging data applied in multiple sclerosis and clinical isolated syndrome patients (Review). *Exp Ther Med*. 2021 Oct;22(4):1149. doi: 10.3892/etm.2021.10583.
- 22.** Boursianis Themis, Kalaitzakis George, Nikiforaki Katerina, Kosteletou Emmanouella, Antypa Despina, Gourzoulidis George, Karantanas Apostolos, **Papadaki Efrosini**, Simos Panagiotis, Maris Thomas, Marias Kostas. The Significance of Echo Time in fMRI BOLD Contrast: A Clinical Study during Motor and Visual Activation Tasks at 1.5 T. *Tomography*. 2021; 7(3):333-343. doi: 10.3390/tomography7030030. [ 3.358]
- 23.** Panou Theodora, Kavroulakis Eleftherios, Mastorodemos Vasileios, Pouli Styliani, Kalaitzakis George, Spyridaki Eirini, Maris Thomas, Simos Panagiotis, **Papadaki Efrosini**. Myelin content changes in Clinically Isolated Syndrome and Relapsing-Remitting Multiple Sclerosis: Associations with lesion type and severity of visuomotor impairment. *Mult Scler Relat Disord*. 2021 Sep;54:103108. doi: 10.1016/j.msard.2021.103108
- 24.** Savaki Helen, Kavroulakis Eleftherios, **Papadaki Efrosini**, Maris Thomas, Simos Panagiotis. Action Observation Responses Are Influenced by Movement Kinematics and Target Identity, *Cerebral Cortex*, 2022, 32;3: 490–503, doi: 10.1093/cercor/bhab225.
- 25.** **Papadaki Efrosini**, Mastorodemos Vasileios, Panou Theodora, Pouli Styliani, Spyridaki Eirini, Kavroulakis Eleftherios, Kalaitzakis George, Maris Thomas, Simos Panagiotis. T2 relaxometry evidence of microstructural changes in diffusely abnormal white matter (DAWM) in relapsing-remitting multiple sclerosis (RR-MS) and clinically isolated syndrome (CIS): functional significance. *J Magn Reson Imaging*. 2021 Oct;54(4):1077-1087. doi: 10.1002/jmri.27661.

- 26.** Antypa Despina, Simos Nicholas John, Kavroulakis Eleftherios, Bertsiias George, Fanouriakis Antonios, Sidiropoulos Prodromos, Boumpas Dimitrios, **Papadaki Efrosini**. Anxiety and depression severity in neuropsychiatric SLE are associated with perfusion and functional connectivity changes of the frontolimbic neural circuit: A resting-state f(unctional) MRI study. *Lupus Science and Medicine* 2021 Apr;8(1):e000473. doi: 10.1136/lupus-2020-000473
- 27.** Kavroulakis Eleftherios, Simos Nicholas John, Maris Thomas, Zaganas Ioannis, Panagiotakis Simeon, **Papadaki Efrosini**. Evidence of Age-Related Hemodynamic and Functional Connectivity Impairment: A Resting State fMRI Study. *Front. Neurol.* 2021; 12:633500. doi: 10.3389/fneur.2021.633500.
- 28.** Detorakis Efstathios, Perisinakis Kostas, Drakonaki Eleni, Liakopoulos Dimitrios, Tzedakis Antonios, **Papadaki Efrosini**, Tsilimbaris Miltiadis. MRI and dual-energy CT fusion anatomic imaging in Ru-106 ophthalmic brachytherapy. *Brachytherapy*. 2021 Jul-Aug;20(4):828-834. doi: 10.1016/j.brachy.2021.01.003.
- 29.** Karakasis Paris, Liavas Athanasios, Sidiropoulos Nikolaos, Simos Panagiotis, **Papadaki Efrosini**. Multi-subject Task-related fMRI Data Analysis via Generalized Canonical Correlation Analysis. *Annu Int Conf IEEE Eng Med Biol Soc*. 2020:1497-1502. doi: 10.1109/EMBC44109.2020.9175371.
- 30.** Simos Nicholas John, Dimitriadis Stavros, Kavroulakis Eleftherios, Manikis George, Bertsiias George, Simos Panagiotis, Maris Thomas, **Papadaki Efrosini**. Quantitative Identification of Functional Connectivity Disturbances in Neuropsychiatric Lupus Based on Resting-State fMRI: A Robust Machine Learning Approach. *Brain Sciences*. 2020; 10(11):777. doi :10.3390/brainsci10110777.
- 31.** Bontzos George, Mazonakis Michail, **Papadaki Efrosini**, Maris Thomas, Blazaki Styliani, Drakonaki Eleni, Detorakis Efstathios. Orbital volume measurements from magnetic resonance images using the techniques of manual planimetry and stereology. *Natl J Maxillofac Surg*. 2020 Jan-Jun;11(1):20-27. doi: 10.4103/njms.NJMS\_9\_20.
- 32.** Mastorodemos Vasileios, Ioannidis Stefanos, **Papadaki Efrosini**, Mitsias Panagiotis. Posterior Reversible Encephalopathy Syndrome, Multiple Sclerosis and

interferon therapy: Association, co-incidence or convoluted interplay? *Mult Scler Relat Disord*. 2020 Oct;45:102356. doi: 10.1016/j.msard.2020.102356.

- 33. Papadaki Efrosini**, Kavroulakis Eleftherios, Manolitsi Katina, Makrakis Dimitrios, Papastefanakis Emmanouil, Tsagaraki Pelagia, Papadopoulou Styliani, Zampetakis Alexandros, Malliou Margarita, Vakis Antonis, Simos Paangiotis. Cerebral perfusion disturbances in chronic mild traumatic brain injury correlate with psychoemotional outcomes. *Brain Imaging Behav*. 2021 Jun;15(3):1438-1449. doi: 10.1007/s11682-020-00343-1.
- 34.** Kontopodis Eleftherios, Marias Kostas, Manikis George, Nikiforaki Katerina, Venianaki Maria, Maris Thomas, Mastorodemos Vasileios, Papadakis George, **Papadaki Efrosini**. Extended perfusion protocol for MS lesion quantification. *Open Med (Wars)*. 2020 Jun 8;15(1):520-530. doi: 10.1515/med-2020-0100.
- 35.** Perisinakis Kostas, Detorakis Efstathios, Tzedakis Antonios, Liakopoulos Dimitrios, **Papadaki Efrosini**, Damilakis John. Dual-energy CT imaging of orbits during episcleral brachytherapy with Ru-106 plaques: A phantom study on its potential for plaque position verification. *Phys Med*. 2020 May;73:1-7. doi: 10.1016/j.ejmp.2020.03.020.
- 36.** Notas Konstantinos, **Papadaki Efrosini**, Orologas Anastasios, Moschou Maria, Kimiskidis Vasileios. Switching from fingolimod to alemtuzumab in patients with highly active relapsing-remitting multiple sclerosis: A case series. *Mult Scler Relat Disord*. 2020 Feb;38:101517. doi: 10.1016/j.msard.2019.101517.
- 37. Papadaki Efrosini**, Kavroulakis Eleftherios, Kalaitzakis George, Karageorgou Dimitra, Makrakis Dimitrios, Maris Thomas, Simos Panagiotis. Age-related deep white matter changes in myelin and water content: A T2 relaxometry study. *J Magn Reson Imaging*. 2019; 5; 960-964 doi: 10.1002/jmri.26707.
- 38.** Daboudi Maria, **Papadaki Efrosini**, Vakis Antonis, Chlouverakis Grigoris, Makrakis Dimitris, Karageorgou Dimitra, Simos Paangiotis, Koukouraki Sofia. Brain SPECT and perfusion MRI: do they provide complementary information about the tumour lesion and its grading? *Clin Radiol*. 2019 Aug;74(8):652.e1-652.e9. doi: 10.1016/j.crad.2019.03.025.

- 39.** Bontzos George, Mazonakis Michail, **Papadaki Efrosini**, Maris Thomas, Blazaki Styliani, Drakonaki Eleni, Detorakis Efsthios. Ex vivo orbital volumetry using stereology and CT imaging: A comparison with manual planimetry. *Eur Radiol*. 2019 Mar;29(3):1365-1374. doi: 10.1007/s00330-018-5691-9.
- 40.** Kontopodis Eleftherios, Venianaki Maria, Manikis George, Nikiforaki Katerina, Salvetti Ovidio, **Papadaki Efrosini**, Papadakis George, Karantanas Apostolos, Marias Kostas. Investigating the Role of Model-Based and Model-Free Imaging Biomarkers as Early Predictors of Neoadjuvant Breast Cancer Therapy Outcome. *IEEE J Biomed Health Inform*. 2019 Sep;23(5):1834-1843. doi: 10.1109/JBHI.2019.2895459.
- 41.** **Papadaki Efrosini**, Kavroulakis Eleftherios, Bertsias George, Fanouriakis Antonis, Karageorgou Dimitra, Sidiropoulos Prodromos, Papastefanakis Emmanouil, Boumpas Dimitrios, Simos Panagiotis. Regional cerebral perfusion correlates with anxiety in neuropsychiatric SLE: evidence for a mechanism distinct from depression. *Lupus*. 2019 Dec;28(14):1678-1689. doi: 10.1177/0961203319887793.
- 42.** **Papadaki Efrosini**, Fanouriakis Antonis, Kavroulakis Eleftherios, Karageorgou Dimitra, Sidiropoulos Prodromos, Bertsias George, Simos Panagiotis, Boumpas Dimitris. Neuropsychiatric lupus or not? Cerebral hypoperfusion by perfusion-weighted MRI in normal appearing white matter in primary neuropsychiatric lupus erythematosus. *Ann Rheum Dis*. 2018 Mar;77(3):441-448. doi: 10.1136/annrheumdis-2017-
- 43.** Bontzos George, Mazonakis Michail, **Papadaki Efrosini**, Maris Thomas, Blazaki Styliani, Drakonaki Eleni, Detorakis Efsthios. Ex vivo orbital volumetry using stereology and CT imaging: A comparison with manual planimetry. *Eur Radiol*. 2018 Aug 22. doi: 10.1007/s00330-018-5691-9.
- 44.** Kalaitzakis George, **Papadaki Efrosini**, Kavroulakis Eleftherios, Boursianis Themis, Marias Kostas, Maris Thomas. Optimising T2 relaxation measurements on MS patients utilising a multi-component tissue mimicking phantom and different fitting algorithms in T2 calculations. *HJR* 2019: 4; 18-31. doi: 10.36162/hjr.v4i2.293 .

- 45.** Kozana Androniki, **Papadaki Efrosini**. Gadolinium deposition in the brain: current knowledge and recommendations. *HJR* 2019; 4; 32-50. doi: 10.36162/hjr.v4i2.273
- 46.** Bontzos George, Tsilimbaris Miltiadis, **Papadaki Efrosini**, Maris Thomas, Mazonakis Michail, Detorakis Efstathios. Estimation of Morphological Characteristics in Asymmetrical Myopic Posterior Staphyloma using Optical Coherence Tomography. *Middle East Afr J Ophthalmol*. 2018 Jul-Dec;25(3-4):131-136. doi: 10.4103/meajo.MEAJO\_45\_18.
- 47.** Makrakis Dimitrios, Veneris Stefanos, **Papadaki Efrosini**. Multinodular and vacuolating neuronal tumor incidentally discovered in a young man: Conventional and advanced MRI features. *Radiol Case Rep*. 2018 Oct; 13(5): 960–964.
- 48.** **Papadaki Efrosini**, Fanouriakis Antonis, Kavroulakis Eleftherios, Karageorgou Dimitra, Sidiropoulos Prodromos, Bertias George, Simos Panagiotis, Boumpas Dimitris. Response to letter: 'Response to: 'Neuropsychiatric lupus or not? Cerebral hypoperfusion by perfusion-weighted MRI in normal-appearing white matter in primary neuropsychiatric lupus erythematosus' by Papadaki *et al*' by Wallace. *Annals of the Rheumatic Diseases* 2018 Jan 23. pii: annrheumdis-2018-212949. doi: 10.1136/annrheumdis-2018-212949.
- 49.** Kavroulakis Eleftherios, Simos Panagiotis, Kalaitzakis George, Maris Thomas, Karageorgou Dimitra, Zaganas Ioannis, Panagiotakis Simoen, Basta Maria, Vgontzas Antonis, **Papadaki Efrosini**. Myelin content changes in probable Alzheimer's disease and mild cognitive impairment: Associations with age and severity of neuropsychiatric impairment. *J Magn Reson Imaging*. 2018 May;47(5):1359-1372. doi: 10.1002/jmri.25849.
- 50.** Kouvatso Zoi, Masoura Elvira, **Papadaki Efrosini**., Kimiskidis Vasileios Recall of semantically related word-lists in two patients with herpes simplex encephalitis. *Neurology Psychiatry and Brain Research* 2017;25: 1-8. doi: 10.1016/j.npbr.2017.05.001

- 51.** Bontzos George, Plainis Sotiris, **Papadaki Efrosini**, Giannakopoulou Trisevgeni, Detorakis Efstathios. Mechanical optic neuropathy in high myopia. *Clin Exp Optom*. 2018 Jul;101(4):613-615. doi: 10.1111/cxo.12548.
- 52.** Simos Panagiotis, Kavroulakis Eleftherios, Maris Thomas, **Papadaki Efrosini**, Boursianis Themis, Kalaitzakis George, Savaki Heleni. Neural foundations of overt and covert actions. *Neuroimage* 2017 May 15;152:482-496. doi: 10.1016/j.neuroimage.2017.03.036.
- 53.** Kimiskidis Vasileios, Papaliagkas Vasileios, Sotirakoglou Kyriaki, Zoi, Kapina Victoria, **Papadaki Efrosini**, Tsimourtou Vaia, Masoura Elvira, Kazis Dimitrios, Papayiannopoulos Sotirios, Geroukis Triantafyllos, Bostanjopoulou Sevasti. Cognitive event-related potentials in multiple sclerosis: Correlation with MRI and neuropsychological findings. *Mult Scler Relat Disord* 2016;10:192-197 doi: 10.1016/j.msard.2016.10.006.
- 54.** Kavroulakis Eleftherios, Simos Panagiotis, Papadopoulou Styliani, Demetriou Stelios, Karageorgou Dimitra, Vakis Antonis, **Papadaki Efrosini**. Cerebral perfusion disturbances in traumatic brain injury: A preliminary study about direct and indirect effects on memory and psychoemotional outcome.. *HJR* 2016;1:11-26
- 55.** Tsiapa Irini, Tsilimbaris Miltiadis, **Papadaki Efrosini**, Bouziotis Petros, Pallikaris Ioannis, postolos, Thomas. High resolution MR eye protocol optimization: Comparison between 3D-CISS, 3D-PSIF and 3D-VIBE sequences. *Phys Med*. 2015 Apr 10. doi: 10.1016/j.ejmp.2015.03.009
- 56.** Matikas Alexios, Kontopodis Emmanouil, Nintos George, Bilidas Tryfon, Kofteridis Diamantis, **Papadaki Efrosini**, Lyraraki Efrosini, Kanatsouli Kasiani, Mavroudis Dimitris. A case of herpes simplex-associated encephalitis after brain irradiation for lung cancer metastases. *Anticancer Res* 2014; 34(8): 4411-4 PMID: 25075078.
- 57.** **Papadaki Efrosini**, Simos Panagiotis, Mastorodemos Vasileios, Panou Theodora, Maris Thomas, Karantanas Apostolos, Plaitakis Andreas. Regional MRI perfusion

measures predict motor/executive function in patients with Clinically Isolated Syndrome. *Behav Neurol*. 2014;2014:252419. doi: 10.1155/2014/252419.

**58. Papadaki Efrosini**, Simos Panagiotis, Panou Theodora, Mastorodemos Vasileios, Maris Thomas, Karantanas Apostolos, Plaitakis Andreas. Hemodynamic evidence linking cognitive deficits in clinically isolated syndrome to regional brain inflammation. *Eur J Neurol*. 2014 Mar;21(3):499-505. doi: 10.1111/ene.12338.

**59.** Fanouriakis Antonios, Mastorodemos Vasileios, Pamfil Christine, **Papadaki Efrosini**, Sidiropoulos Prodromos, Plaitakis Andreas, Amoiridis George, Bertsias George, Boumpas Dimitris. Coexistence of systemic lupus erythematosus and multiple sclerosis: Prevalence, clinical characteristics, and natural history. *Semin Arthritis Rheum*. 2014 Jun;43(6):751-8. doi: 10.1016/j.semarthrit.2013.11.007.

**60.** Panou Theodora, Simos Panagiotis, **Papadaki Efrosini**, Mastorodemos Vasileios, Plaitakis Andreas. Early signs of memory impairment among multiple sclerosis patients with clinically isolated syndrome. *Behavioral Neurology* 2012; 25(4):311–326. doi: 10.3233/BEN-2012-110201.

**61. Papadaki Efrosini**, Mastorodemos Vasileios, Amanakis Emmanouil, Tsekouras Kostas, Papadakis Antonis, Tsavalas Nikos, Simos Panagiotis, Karantanas Apostolos, Plaitakis Andreas, Maris Thomas. White matter and deep gray matter hemodynamic changes in multiple sclerosis patients with clinically isolated syndrome. *Magn Reson Med*. 2012; 68(6):1932–1942. doi: 10.1002/mrm.24194.

**62.** Fountoulakis E.N., **Papadaki Efrosini**, Panagiotaki Irini., Giannikaki L., Lagoudianakis G., Bizakis John Primary hemangiopericytoma of the parapharyngeal space: an unusual tumor and literature review. *Acta Otorhinolaryngologica Italica* 2011 Jun;31(3) : 194-8. Epub 2011 Mar 16. PMID: 22058597; PMCID: PMC3185820.

**63.** Zaganas I, Halpin Amy, Oleinik Alexandra, Alegakis Athanasios, Kotzamani Dimitra, Zafiris Spiros, Chlapoutaki Chryssanthi, Tsimoulis Dimitrios, Giannakoudakis Emmanouil, Chochlidakis Nikolaos, Ntailiani Aikaterini, Valatsou Christina, **Papadaki Efrosini**, Vakis Antonis, Furie Karen, Greenberg Steven, Plaitakis Andreas. A comparison of acute hemorrhagic stroke outcomes in 2

populations: the Crete-Boston study. *Stroke*. 2011 Dec; 42 (12):3640-2. doi: 10.1161/STROKEAHA.111.632174.

- 64.** Bourikas Leonidas, Roussomoustakaki Maria, **Papadaki Efrosini**, Valatas Vassilis, Koutroubakis Ioanis, Papadakis Konstantinos, Kouroumalis Elias. A case of orbital myositis preceding the intestinal symptoms of Crohn's disease. *J Crohns Colitis*. 2010 Sep; 4(3):349-50. doi: 10.1016/j.crohns.2010.05.005
- 65.** Detorakis Efstathios, Drakonaki Eleni, **Papadaki Efrosini**, Pallikaris Ioannis, Tsilimbaris Miltiadis. Effective orbital volume and eyeball position: an MRI study. *Orbit*. 2010 Oct;29(5):244-9. doi: 10.3109/01676831003664319.
- 66.** Detorakis Efstathios, Drakonaki Eleni, **Papadaki Efrosini**, Pallikaris Ioannis, Tsilimbaris Miltiadis. Watery eye following patent external DCR: an MR dacryocystography study. *Orbit*. 2010 Oct;29(5):239-43. doi: 10.3109/01676831003660697.
- 67.** Detorakis Efstathios, Drakonaki Eleni, **Papadaki Efrosini**, Tsilimbaris Miltiadis, Pallikaris Ioannis. Evaluation of globe position within the orbit: Clinical and imaging correlations. *Br J Ophthalmol*. 2010 Jan;94(1):135-6. doi: 10.1136/bjo.2008.150532.
- 68.** Detorakis Efstathios, Maris Tomas, **Papadaki Efrosini**, Tsilimbaris Miltiadis, Karantanas Apostolos, Pallikaris Ioannis. Evaluation of the Position and Function of Aqueous Drainage Implants with Magnetic Resonance Imaging. *J Glaucoma*. 2009 Aug;18(6):453-9. doi: 10.1097/IJG.0b013e3181895e42.
- 69.** Detorakis Efstathios, Drakonaki Eleni, Bizakis Ioannis, **Papadaki Efrosini**, Tsilimbaris Miltiadis, Pallikaris Ioannis. MRI evaluation of lacrimal drainage after external and endonasal dacryocystorhinostomy. *Ophthal Plast Reconstr Surg*. 2009 Jul-Aug;25(4):289-92. doi: 10.1097/IOP.0b013e3181ac5320.
- 70.** Zaganas Ioannis, Latsoudis Helen, **Papadaki Efrosini**, Vorgia Pelagia, Spilioti Martha, Plaitakis Andreas. A8344G tRNA Lys mutation associated with recurrent brain stem stroke-like Episodes. *J Neurol*. 2009 Feb;256(2):271-3. doi: 10.1007/s00415-009-0921-3.

- 71.** Mantadakis Elpis, Katragkou Aspasia, **Papadaki Efrosini**, Papadimitriou Stefanos, Paterakis Georgios, Stiakaki Eftichia, Kalmanti Maria. Spinal cord compression in an adolescent with relapsed B-precursor acute lymphoblastic leukemia and mental neuropathy. *Int J Hematol.* 2008 Oct;88(3):294-8. doi: 10.1007/s12185-008-0159-3.
- 72.** Papanikolaou Nikolaos, Karampekios Spyros, **Papadaki Efrosini**, Maris Thomas, Malamas Menelaos, Gourtsoyiannis Nicholas. Fractional anisotropy and mean diffusivity measurements on normal human brain: comparison between low-and high-resolution diffusion tensor imaging sequences. *Eur Radiol.* 2006 Jan;16(1):187-92. doi: 10.1007/s00330-005-2833-7.
- 73.** Karampekios Spyros, Papanikolaou Nikolaos, **Papadaki Efrosini**, Maris Thomas, Uffman Kai, Spilioti Martha, Plaitakis Andreas, Gourtsoyiannis Nicholas. Quantification of Magnetization Transfer Rate and native T1 relaxation time of the brain: Correlation with Magnetization Transfer Ratio measurements in patients with multiple sclerosis. *Neuroradiology.* 2005 Mar;47(3):189-96. doi: 10.1007/s00234-005-1344-1.
- 74.** Papanikolaou Nicholas, **Papadaki Efrosini**, Karampekios Spyros, Spilioti Martha, Maris Thomas, Prassopoulos Panagiotis, Gourtsoyiannis Nicholas. T2 relaxation time analysis in patients with multiple sclerosis : Correlation with magnetization Transfer Ratio. *Eur.Radiology* 2004 Jan;14(1):115-122. doi: 10.1007/s00330-003-1946-0.
- 75.** Prassopoulos Panagiotis, **Papadaki Efrosini**, Damilakis John, Bizakis John, Mazonakis Michail, Gavridakis George, Gourtsoyiannis Nicholas. Low dose CT protocol for the paranasal sinuses. *Asian Oceanic Journal of Radiology.* 2001; Vol.6 No.4,217-224.
- 76.** Papakonstantinou Olympia, Bitsori Maria, Mamoulakis Dimitris, Bakantaki Anna, **Papadaki Efrosini**, Gourtsoyiannis Nicholas. MR imaging of pituitary hyperplasia in a child with grow arrest and primary hypothyroidism. *Eur. Radiol.* 2000; 10:3, 516-8. doi: 10.1007/s003300050087.

- 77. Papadaki Efrosini**, Prassopoulos Panagiotis, Bizakis John, Karampekios Spyros, Papadakis Hariton, Gourtsoyiannis Nicholas. X- linked deafness with stapes gusher in females. *Eur J Radiol* 1998;29(1): 71-75. doi: 10.1016/s0720-048x(98)00027-8.
- 78. Daskalogiannaki Maria**, Volousdaki Argyro, Bouros Dimosthenis, **Papadaki Efrosini**, Psathakis Kostas, Siafakas Nikos, Gourtsoyiannis Nicholas. Idiopathic pulmonary fibrosis. Evaluation by high resolution computed tomography and correlation with pulmonary function tests. *Archives of Hellenic Medicine* 1997; 14(2):159-165.
- 79. Papadaki Efrosini**, Karampekios Spyros. Sinonasal inflammatory disease and functional endoscopic sinus surgery: The role of medical imaging. *Archives of Hellenic Medicine* 1998; 15 (6): 530-543.
- 80. Damilakis John**, Prassopoulos Panagiotis, Mazonakis Michalis, Bizakis John, **Papadaki Efrosini**, Gourtsoyiannis Nicholas. Tailored low dose three-Dimensional Computed Tomography of Paranasal Sinuses. *Clinical Imaging*. 1998; 22:4, 235-9. 10.1016/s0899-7071(98)00014-x.

## 12.4 ΔΗΜΟΣΙΕΥΣΕΙΣ ΞΕΝΟΓΛΩΣΣΩΝ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΠΑΡΟΥΣΙΑΣΕΩΝ ΠΟΥ ΠΕΡΙΛΑΜΒΑΝΟΝΤΑΙ ΣΤΟ SCOPUS)

- 81. Karakasis Paris**, Liavas Athanasios, Sidiropoulos Nicholas, Simos Panagioti., **Papadaki Efrosini**. Multi-subject resting-state fmri data analysis via generalized canonical correlation analysis *European Signal Processing Conference*, 2021, 2021-January, pp. 1040–1044, 9287655
- 82. Simos Nicholas John**, Manikis George, **Papadaki Efrosini**, Kavroulakis Eleftherios, Bertias George, Marias Kostas. Machine Learning Classification of Neuropsychiatric Systemic Lupus Erythematosus patients using resting-state fMRI functional connectivity. 2019 *IEEE International Conference on Imaging Systems and Techniques (IST)*, 1-6. doi:10.1109/IST48021.2019.9010078.

- 83.** Kontopodis Eleftherios, Manikis George, Skepasianos Ioannis, Tzagkarakis Kostas, Nikiforaki Katerina, **Papadaki Efrosini**, Karantanas Apostolos, Marias Kostas DCE-MRI radiomics features for predicting breast cancer neoadjuvant therapy response. 2018 *IEEE International Conference on Imaging Systems and Techniques* (IST), 1-6.
- 84.** Kontopodis Eleftherios, Manikis George, Nikiforaki Katerina, Venianaki Maria, Marias Kostas, Maris Thomas, Karantanas Apostolos, **Papadaki Efrosini**. Incremental diagnostic information obtained via novel Dynamic Contrast Enhanced MRI framework applied on Multiple Sclerosis patients: A preliminary study. 18th 2018 *IEEE EMBS International Conference on Biomedical and Health Informatics*, BHI 2018. DOI: 10.1109/BHI.2018.8333366.
- 85.** Spanakis Marios, Oraiopoulou Maria, Tzamali E, Sakkalis Vasileios, Maris Thomas, **Papadaki Efrosini**, Karantanas Apostolos, Marias Kostas. P16.33: An in silico estimation of the pharmacokinetic profile and the disposition of gd-dtpa in brain tumor lesions of different vasculature through PBPK models. *Neuro Oncol.* 2014 Sep; 16(Suppl 2): ii85–ii86. doi: 10.1093/neuonc/nou174.328.
- 86.** Spanakis Marios, **Papadaki Efrosini**, Kafetzopoulos Dimitrios, Karantanas Apostolos, Maris Thomas, Sakkalis Vasileios, Marias Kostas. Exploitation of patient avatars towards stratified medicine through the development of in silico clinical trials approaches. 13th *IEEE International Conference on BioInformatics and BioEngineering*, IEEE BIBE 2013, DOI: 10.1109/BIBE.2013.6701554

## 12.6 Publications in Greek Journals

1. Clinical and Imaging Approach of Candidates for Cochlear Implants – E. Papadaki, S. Karabekios, M. Prokopakis, G. Velegrakis. *Hellenic Otolaryngology*, 1997; 18:36–42.

2. Pulmonary Sarcoidosis: Assessment Using High-Resolution Computed Tomography – A. Voloudaki, M. Kountakis, D. Bouros, E. Papadaki, N. Sifakas, N. Gourtsoyiannis. *Hellenic Radiology*, 1996; 27:261–267.
3. Application of a 3D Imaging System to the Visceral Skull Using Computed Tomography – M. Mazonakis, I. Damilakis, P. Prassopoulos, E. Papadaki, N. Gourtsoyiannis. *Hellenic Radiology*, 1998; 29:52–57.
4. Differential Diagnosis of Cervical Lymphadenopathy in Children Using High-Resolution Ultrasound – A. Bakantaki, O. Papakonstantinou, P. Paspalaki, E. Papadaki, N. Gourtsoyiannis. *Hellenic Radiology*, 1999; 30:337–344.
5. Study of Anatomical Variations of the Nose and Paranasal Sinuses Using CT Examinations – G. Gavridakis, P. Prassopoulos, E. Papadaki, I. Bizakis, A. Voloudaki, N. Gourtsoyiannis. *Hellenic Radiology*, 2000; 31:182–190.
6. Advanced Magnetic Resonance Imaging Techniques in Acute Ischemic Stroke Imaging – E. Papadaki, *Heart, Vessels and Brain*, Issue 4, January–March 2013, pp. 92–99.

---

## 12.7 Abstracts / Oral presentations Published in International Journals / Conference Proceedings

1. CT evaluation of mesenteric involvement in acute abdomen. M.Daskalogiannaki, M. Raissaki, E.Apostolaki, E.Manganas, E.Papadaki, A.Voloudaki, N.Gourtsoyiannis. 8<sup>th</sup> Annual Meeting and Postgraduate Course (ESGAR), Amsterdam 1997.
2. Low dose CT protocol for detailed evaluation of the paranasal sinuses. E.Papadaki, P.Prassopoulos, J.Damilakis, J. Bizakis, A.Voloudaki, A. Nikolidakis, N. Gourtsoyiannis. 11<sup>th</sup> European Congress of Radiology (ECR), Vienna 1999.

- 3 Cystic mesenteric lymphangioma. **E.Papadaki**, E.Apostolaki, N.Gourtsoyiannis. Cases of the Day 11<sup>th</sup> of European Congress Radiology (ECR) Vienna, 1999.
4. Ultrasonographic patterns of cervical lymphadenopathy in children. O.Papakonstantinou, A.Bakantaki, M.Paspalaki, **E.Papadaki**, N.Gourtsoyiannis. 11<sup>th</sup> European Congress Radiology (ECR), Vienna 1999.
5. High resolution ultrasonographic patterns of cervical lymphadenopathy in children. A.Bakantaki, O.Papakonstantinou, E. Magkanas, **E.Papadaki**, N.Gourtsoyiannis. 85<sup>th</sup> Scientific Assembly of Radiologic Society of North America (RSNA) 1999.
6. Measurement of magnetization transfer ratio (MTR) and T2 relaxation time in patients with multiple sclerosis (MS). N.Papanikolaou, **E.Papadaki**, S.Karampekios, M.Spilioti, N.Gourtsoyiannis. 26<sup>th</sup> European Congress and 10<sup>th</sup> advanced course of Neuroradiology, Oslo 2000.
7. Hematogenous secondary deposits in the trigeminal nerve. **E.Papadaki**, S.Karampekios, C.Kourousis, N.Gourtsoyiannis. 26<sup>th</sup> European Congress and 10<sup>th</sup> advanced course of Neuroradiology, Oslo 2000.
8. T2 relaxation time analysis in patients with multiple sclerosis: Correlation with magnetization transfer ratio. **E.Papadaki**, N.Papanikolaou, S.Karampekios, M.Spilioti, T.Maris, N.Gourtsoyiannis. 14<sup>th</sup> European Congress of Radiology (ECR), Vienna 2002.
9. Magnetic Resonance Perfusion Imaging in patients with multiple sclerosis (MS). **E. Papadaki**, N. Papanikolaou, S. Karampekios M. Spilioti, T. Maris, P. Prassopoulos, N. Gourtsoyiannis. 88<sup>th</sup> Scientific Assembly of Radiologic Society of North America (RSNA), Chicago 2002.
10. T2 relaxation time and Magnetization Transfer Ratio analysis in patients with multiple sclerosis (MS): Correlation with clinical disability. **E.Papadaki**, N.

Papanikolaou, S. Karampekios M. Spilioti, T. Maris, P. Prassopoulos, N. Gourtsoyiannis. 15<sup>th</sup> European Congress of Radiology (ECR), Vienna 2003.

**11.** Magnetic Resonance Perfusion Imaging in patients with multiple sclerosis (MS). **E. Papadaki**, N. Papanikolaou, S. Karampekios M. Spilioti, T. Maris, P. Prassopoulos, N. Gourtsoyiannis. 15<sup>th</sup> European Congress of Radiology (ECR), Vienna 2003.

**12.** Quantification of Magnetization Transfer Rate and native T1 relaxation time of the brain: Correlation with Magnetization Transfer Ratio measurements in patients with multiple sclerosis. **E. Papadaki**, S. Karampekios, N. Papanikolaou, T. Maris, K. Uffman, M. Spilioti, A. Plaitakis, N. Gourtsoyiannis. 29<sup>th</sup> European Congress of Neuroradiology, Aachen 2004.

**13.** Diffusion tensor imaging (DTI) in patients with multiple sclerosis (MS): Correlation with perfusion imaging. **E. Papadaki**, N. Papanikolaou, S. Karampekios, M. Spilioti, T. Maris, N. Gourtsoyiannis. 17<sup>th</sup> European Congress of Radiology (ECR), Vienna 2005.

**14.** Normal aging of the brain: assessment with quantitative MR diffusion tensor imaging. N. Papanikolaou **E. Papadaki**, S. Karampekios M. Spilioti, T. Maris, N. Gourtsoyiannis. 17<sup>th</sup> European Congress of Radiology (ECR), Vienna 2005.

**15.** Correlation of the magnetization transfer ratio (MTR) with the relative cerebral blood volume (rCBV%) in patients with multiple sclerosis. **E. Papadaki**, N. Papanikolaou, S. Karampekios M. Spilioti, T. Maris, N. Gourtsoyiannis. 30<sup>th</sup> European Congress of Neuroradiology, Barcelona 2005.

**16.** Magnetic Resonance Perfusion Imaging in patients with multiple sclerosis (MS): Correlation with clinical disability. **E. Papadaki**, N. Papanikolaou, S. Karampekios, M. Spilioti, T. Maris, N. Gourtsoyiannis. 30<sup>th</sup> European Congress of Neuroradiology, Barcelona 2005.

**17.** Diffusion tensor imaging (DTI) in the normal appearing corpus callosum and contralateral white matter in gliomas showing potential microscopic tumoral

infiltration. **E.Papadaki**, M.Law, E.Clair, Y.Lui, M.Inglese, G.Johnson. 18<sup>th</sup> European Congress of Radiology (ECR), Vienna 2006.

18. Diffusion tensor based white matter tractography of the corpus callosum in patients with bipolar disorder. N.Papanikolaou, S.Karampekios, P.Bitsios, T.Maris, **E.Papadaki**, S.Frangou, N.Gourtsoyiannis. 18<sup>th</sup> European Congress of Radiology (ECR), Vienna 2006.

19. Dynamic Susceptibility Contrast Perfusion MR Imaging of angiogenesis and microscopic tumoral infiltration in the corpus callosum of patients with gliomas. Gauvrit J.Y., M.Law, **E.Papadaki**, E. StClair, M.Inglese, G.Johnson. 44<sup>th</sup> ASNR Annual meeting, San Diego, California, 2006.

20. Comparing Susceptibility-weighted imaging with Gradient-echo imaging for determination of intracranial lesions with susceptibility. **E.Papadaki**, V.Nguyen, M.Law, Y.Ge, J.Xu, Y.Xu, E.M.Haacke. 44<sup>th</sup> ASNR Annual meeting, San Diego, California, 2006.

21. Less tissue injury on diffusion tensor imaging in benign multiple sclerosis. Y.Ge, **E.Papadaki**, M.Law, J.Herbert, H.Jaggi, R.I.Grossman. 44<sup>th</sup> ASNR Annual meeting, San Diego, California, 2006.

22. Diffusion tensor imaging in gliomas: a potential marker of microscopic tumoral infiltration in the corpus callosum and normal-appearing contralateral white matter. **E.Papadaki**, M.Law, E. St Clair, Y.Lui, M.Inglese, G.Johnson. 44<sup>th</sup> ASNR Annual meeting, San Diego, California, 2006.

23. Diffusion tensor (DTI), Perfusion (PWI) and Magnetic Resonance spectroscopy (MRS) techniques in multiple sclerosis (MS): Study of the dirty white matter (DWM). **E.Papadaki**, N.Skoulikaris, S.Nikitidis, V.Mastorodimos, S. Karampekios, N. Papanikolaou, T. Maris, N. Gourtsoyiannis. 32<sup>nd</sup> European Congress of Neuroradiology, Genoa 2007.

24. MRI findings at the mitochondrial DNA A8344G tRNA Lys mutation associated with recurrent migratory brain stem stroke-like episodes. **E.Papadaki**, I.Zaganas, H.Latsoudis, P.Vorgia, M.Spilioti, A.Plaitakis. 32<sup>nd</sup> European Congress of Neuroradiology, Genoa 2007.

25. Study of the “dirty white matter” regions in patients with multiple sclerosis with diffusion tensor imaging, perfusion-weighted imaging and MR Spectroscopy. **E.Papadaki**, N.Skoulikaris, V.Mastorodimos, N.Papanikolaou, S.Karampekios. 46<sup>th</sup> ASNR Annual meeting, New Orleans, Louisiana, 2008.

26. Occurrence of capillary telangiectasia, cavernous angioma and developmental venous anomaly (venous angioma) in a single patient. S.Erimaki, **E.Papadaki**, M.Tzagournissakis, A.Plaitakis. 18<sup>th</sup> European Neurological Society Congress, Nice, 2008.

27. Dynamic susceptibility contrast magnetic perfusion imaging technique (PWI) in patients with clinically isolated syndrome (CIS) suggestive of multiple sclerosis (MS): Diffuse involvement of white and deep gray matter. **E.Papadaki**, N.Skoulikaris, E.Amanakis, V.Mastorodimos, T.Maris, V.Stilianaki, S. Karampekios. 47<sup>th</sup> ASNR Annual meeting, Vancouver, Canada, 2009.

28. Application of an MRI perfusion weighted imaging (PWI) technique in patients with clinically isolated syndrome converted to multiple sclerosis (CIS-conv): increased perfusion in white and deep gray matter compared to the non-converted CIS patients **E.Papadaki**, E.Amanakis, V.Mastorodimos, K.Tsekouras, T.Maris, S. Karampekios, N. Gourtsoyiannis . 34<sup>th</sup> European Congress of Neuroradiology, Athens 2009.

29. The role of the combined 99m Tc Tetrofosmin scintigraphy and MR perfusion in the grading of brain gliomas. M.Daboudi, S.Koukouraki, **E.Papadaki**, V.Stilianaki, M.Stathaki, A.Vakis, N.Karkavitsas. 22<sup>th</sup> European Association of Nuclear Medicine Varcelona, 2009.

30. Application of a dynamic susceptibility contrast magnetic perfusion imaging technique (PWI) in patients with neuropsychiatric systemic lupus erythematosus

(NPSLE): diffuse decreased perfusion in white matter. **E.Papadaki**, K.Tsekouras, A.Reppa, P.Sideropoulos, E.Amanakis, T.Maris, S.Karampekios, D.Boumpas, N.Gourtsoyiannis. 20<sup>th</sup> European Congress of Radiology (ECR), Vienna 2010.

31. Primary hemangiopericytoma of the parapharyngeal space: an unusual tumor and literature review. E.N. Fountoulakis, **E.Papadaki**, I.Panagiotaki, L.Giannikaki, G.Lagoudianakis, J. Bizakis. 7<sup>th</sup> Balkan Congress of Otorhinolaryngology Head and Neck Surgery, Nice, 2010.

32. A comparison of acute hemorrhagic stroke outcome in two populations : The Crete-Boston study. I. Zaganas, A.P. Halpin, A. Oleinik, D. Kotzamani , C.Chlapoutaki , D.Tsimoulis, S.Zafiris, E. Giannakoudakis , A. Alegakis, **E. Papadaki**, K.L.Furie, S.M.Greenberg , A. Plaitakis , International Stroke Conference, San Antonio, Texas, 2010.

33. Pseudomonas keratitis with satellite lesions: an unusual presentation. E.T. Detorakis, E.E. Drakonaki, **E.Papadaki**, M.K. Tsilimbaris, I.G. Pallikaris. Br J Ophthalmol 94 (10);1408-1409, 2010.

34. Early Signs of Cognitive Impairment among Multiple Sclerosis Patients with Clinically Isolated Syndrome. T. Panou, V. Mastorodemos, **E.Papadaki**, P.Simos , A.Plaitakis . 136<sup>th</sup> Annual Meeting of the American Neurological Association, San Diego, California, 2011.

35. Application of the dynamic susceptibility contrast magnetic resonance imaging (DSDCMRI) perfusion technique in patients with mesial temporal sclerosis **E.Papadaki**, E.Amanakis, M. Spilioti, E.Zafiris, A.Dailiani, A.Plaitakis, T.Maris, 35<sup>th</sup> European Congress of Neuroradiology, Antwerp, 2011.

36. Cognitive deficits in early multiple sclerosis correlate with inflammatory hemodynamic changes. E.**Papadaki**, P.Simos, V. Mastorodemos, T. Panou, T.G.Maris, A.H. Karantanas, A. Plaitakis. 36<sup>th</sup> European Congress of Neuroradiology, Edinburgh, 2012.

37. Regional MRI perfusion measures predict motor/executive function in patients with clinically isolated syndrome. **E.Papadaki**, P.Simos, T.Panou, V.Mastorodemos, E.Amanakis, T.Maris, A.Karantanas, A.Plaitakis. 23<sup>rd</sup> European Congress of Radiology (ECR), Vienna, 2013.

38. Cognitive deficits in clinically isolated syndrome correlate with perfusion changes indicative of inflammation. **E.Papadaki**, P.Simos, T.Panou, V.Mastorodemos, E.Amanakis, T.Maris, A.Karantanas, A.Plaitakis. 23<sup>rd</sup> European Congress of Radiology (ECR), Vienna, 2013.

39. An unusual case of subdural hematoma. E.Giakoumakis, E.Avgerinidou, **E.Papadaki**, M.Tzagournissakis, G.Amoiridis. 9<sup>th</sup> Aegean meeting on Neurologic therapeutics, Heraklion, Crete, 2013.

40. Narcolepsy in a patient with nocturnal epilepsy due to a neuronal migration disorder. K.Kanatsouli, E.Giakoumakis, C.Alexopoulou, **E.Papadaki**, C.Spanaki. 9<sup>th</sup> Aegean meeting on Neurologic therapeutics , Heraklion, Crete, 2013.

41. Interictal hypoperfusion in the affected hippocampi of patients with mesial temporal sclerosis. S.Dimitriou, E.Amanakis, M.Spilioti, S.Zafiris, A.Plaitakis, T.Maris, **E.Papadaki**. 1<sup>st</sup> Aegean epilepsy meeting, Heraklion, Crete, 2013

42. Inflammatory perfusion changes correlate with executive function deficits in patients with clinically isolated syndrome. **E.Papadaki**, P.Simos, T.Panou, V.Mastorodemos, T.Maris, A.Karantanas , A.Plaitakis, 37<sup>th</sup> European Congress of Neuroradiology , Frankfurt, 2013.

43. Dynamic susceptibility contrast magnetic perfusion imaging (DSC-MRI) technique in neuropsychiatric systemic lupus erythematosus (NPSLE): diffuse hypoperfusion in normal appearing white matter (NAWM) and deep gray matter (DGM). **E.Papadaki**, A.Fanouriakis, E.Kavroulakis, G.Bertsias, P.Sidiropoulos, T.Maris, DT.Boumpas, A.Karantanas. 9<sup>th</sup> European Lupus Meeting, Athens, 2014.

44. Diffuse hypoperfusion in normal appearing white matter (NAWM) and deep gray matter (DGM) regions in patients with Neuropsychiatric Systemic Lupus erythematosus (NPSLE). **E.Papadaki**, A.Fanouriakis, E.Kavroulakis, G.Bertsias, P.Sidiropoulos, DT.Boumpas, A.Karantanas. 20<sup>th</sup> Symposium Neuroradiologicum , Istanbul, 2014.
45. An *in silico* estimation of the pharmacokinetic profile and the disposition of Gd-DTPA in brain tumor lesions of different vasculature through PBPK models. M.Spanakis, M.E. Oraiopoulou, E.Tzamali, V. Sakkalis, T. Maris, **E. Papadaki**, A.Karantanas, K.Marias, EANO IX 2014.
46. Indolent progressive multifocal leukoencephalopathy (PML) after natalizumab in relapsing remitting multiple sclerosis (RRMS). V. Mastorodemos, M. Sinodinos, **E.Papadaki**, P. G. Simos, H. Alexopoulos, I. Drakos, G. Amoiridis. European Journal of Neurology. 21:512, 2014.
47. Magnetic relaxation measurements on tissue mimicking phantoms: comparison between different fitting algorithms in MRI T2 calculations. G. Kalaitzakis, E. Kavroulakis, T. Boursianis, S. Veneti , L. Kontopodis ,K. Marias, **E. Papadaki**, A. Karantanas, T.Maris Physica Medica 30 ;118, 2014.
48. Cerebral perfusion disturbances in traumatic brain injury: direct and indirect effects on memory and psychoemotional outcome. **E.Papadaki**, S.Dimitriou, E.Kavroulakis, S.Papadopoulou, T.Maris, P.Simos, A.Karantanas A. 25<sup>th</sup> European Congress of Radiology (ECR),Vienna, 2015.
49. Spontaneous pneumocephalus associated with a giant craniopharyngioma. V.Daraki, **E.Papadaki**, N.Zampoulakis, E.Mamalaki, G.Kalikakis, S.Papavasiliou. 17<sup>th</sup> European Congress of Endocrinology, Dublin, 2015.
50. Multi-echo T2 relaxation technique in Multiple Sclerosis. E. Kavroulakis, G. Kalaitzakis, V. Mastorodimos, P. Simos, T. Maris, **E. Papadaki**. 9<sup>th</sup> Forum of Neuroscience (FENS), Thessaloniki, 2015.

51. Brain Circuits engaged in Mental Simulation of Action: An fMRI study. E. Kavroulakis, P. Simos, **E. Papadaki**, T. Boursianis, G. Kalaitzakis, T. Maris, E. Savaki. 9<sup>th</sup> Forum of Neuroscience (FENS), Thessaloniki, 2015.

52. Brain Networks for Overt and Covert Actions: an fMRI study. E. Kavroulakis, P. Simos, **E. Papadaki**, G. Kalaitzakis, T. Boursianis, T. Maris, E. Savaki. 16<sup>th</sup> Austrian fMRI/2<sup>nd</sup> Alpine Chapter Symposium, 2016.

53. Multi-echo T2 relaxation technique in Dementia. E.Kavroulakis, G.Kalaitzakis, P.Simos, I.Zaganas, T.Maris , **E.Papadaki**. 14th Balkan Congress of Radiology, Thessaloniki 2016.

54. Neural foundations of overt and covert actions. **E.Papadaki**, P.Simos, E.Kavroulakis , T.Maris, T.Boursianis, G.Kalaitzakis, H.E.Savaki. 39<sup>th</sup> European Congress of Neuroradiology, Belgrade, 2016.

55. High resolution 3D MRI protocol optimization of corneal neovascularization in rabbits.

I. Tsiapa, T.Boursianis, **E.Papadaki**, A.Karantanas, P.Bouziotis, M.Tsilimbaris, T.Maris. 1st European Congress of Medical Physics, Athens, 2016.

56. Preliminary study for non-invasive Magnetic Resonance Imaging and spectroscopy of the eye: a novel technique for monitoring pharmacokinetics of ocular drug delivery. I.Tsiapa, T.Boursianis, G.Kalaitzakis, K.Nikiforaki, **E.Papadaki** , G.Bontzos, A.Karantanas, M.Tsilimbaris, T.Maris . 1st European Congress of Medical Physics, Athens, 2016.

57. SNR dependence on hardware installation and patient immobilization in fMRI examinations. MR imaging protocol optimization. T.Boursianis, G.Kalaitzakis, K.Nikiforaki, I.Tsiapa, **E.Papadaki**, A.Karantanas, T.Maris. 1st European Congress of Medical Physics, Athens, 2016.

**58.** MR-guided and MR-verified approach reduces theatre time and procedure costs: setting up a DBS service in low budget health systems. N.Haliasos, C.Spanaki, K.Manolitsi, **E.Papadaki**, T.Maris, K.Kafkalaki, A.Chatzimichali, D.Karabetsos, A.Vakis. 16<sup>th</sup> European Congress of Neurosurgery, Athens, 2016.

**59.** Resting State functional MRI in patients with Systemic Lupus Erythematosus with and without neuropsychiatric involvement. Kavroulakis, S.Dimitriou, A.Fanouriakis, G.Bertsias, T.Maris, P.Sidiropoulos, P.Simos, **E.Papadaki**. 40<sup>th</sup> European Congress of Neuroradiology, Malmo, 2017.

**60.** Cerebral hypoperfusion detected by perfusion-weighted MRI may assist the diagnosis of primary diffuse neuropsychiatric lupus erythematosus. **E.Papadaki**, A.Fanouriakis, E.Kavroulakis, D.Karageorgou, P.Sidiropoulos, G.Bertsias, P.Simos, DT.Boumpas. 11<sup>th</sup> European Lupus Meeting, Dusseldorf, 2018.

**61.** Incremental diagnostic information obtained via novel Dynamic Contrast Enhanced MRI framework applied on Multiple Sclerosis patients: a preliminary study. E.Kontopodis, G.Manikis, K.Nikiforaki, M.Venianaki, K.Marias, T.Maris, A.Karantanas, **E.Papadaki**. Biomedical and Health Informatics (BHI) IEEE, Las Vegas, 2018.

**62.** Dynamic Susceptibility Contrast perfusion MRI (DSC-MRI) provides neuroimaging biomarkers for the diagnosis of primary diffuse neuropsychiatric systemic lupus erythematosus (NPSLE). **E.Papadaki**, P.Simos, E.Kavroulakis, A.Fanouriakis, D.Karageorgou, P.Sidiropoulos, G.Bertsias, DT.Boumpas. 41st Annual Meeting of European Society of Neuroradiology, Rotterdam, 2018.

**63.** Age-related deep white matter changes in myelin and water content: a t2 relaxometry study. Kavroulakis Eleftherios, Kalaitzakis Georgios, Karageorgou Dimitra, Makrakis Dimitris, Maris Thomas, Simos Panagiotis, **Papadaki Efrosini**. 17<sup>th</sup> Balkan Congress of Radiology, Heraklion 2019.

**64.** Regional cerebral perfusion correlates with anxiety in neuropsychiatric systemic lupus erythematosus. Kavroulakis Eleftherios, Bertsias George, Fanouriakis Antonis,

Karagiorgou Dimitra, Papastefanakis Emmanouil, Simos Panagiotis, **Papadaki Efrosini** 17th Balkan Congress of Radiology, Heraklion 2019.

65. Neuropsychiatric lupus or multiple sclerosis? Differential diagnosis using myelin content indices of normal appearing white matter: a myelin water imaging study. Eleftherios Kavroulakis, Antonios Kagialis, Anna Simichanidou, Eirini Gratsia, Eliza Kompoliti, Georgios Bertsias, Vasileios Mastorodemos, Panagiotis Simos, Dimitrios Boumbas, Efrosini Papadaki. 47<sup>th</sup> ESNR Annual meeting, Paris 2024

66. Neuropsychiatric lupus or multiple sclerosis? Differential diagnosis using myelin content indices of normal appearing white matter: a myelin water imaging study. Eleftherios Kavroulakis, Antonios Kagialis, Anna Simichanidou, Eirini Gratsia, Eliza Kompoliti, Georgios Bertsias, Vasileios Mastorodemos, Panagiotis Simos, Dimitrios Boumbas, Efrosini Papadaki. 19th Balkan Congress of Radiology, Cesme 2024

67. Radiomics machine learning approach for the differential diagnosis of neuropsychiatric lupus erythematosus from multiple sclerosis. Kalliopi Sylaiou ,Antonios Kagialis ,Sergia Liasi ,Vasileios Mastorodemos ,George Bertsias ,Michail Klontzas ,Efrosini Papadaki. 20th Balkan Congress of Radiology, Heraklion 9-11 October 2025

68. Application of non-conventional MRI in the diagnosis of PCSNL – A case report Georgios Kalidonis, Maria Giannaki, Efrosini Papadaki. 20th Balkan Congress of Radiology, Heraklion 9-11 October 2025

69. Dorsal Thoracic Arachnoid Web - A Rare Case Report. Georgios Kalidonis,Styliani Markatzinou, Efrosini Papadaki. 20th Balkan Congress of Radiology, Heraklion 9-11 October 2025

## **12.8 Abstracts / Announcements Published in Proceedings of Greek Conferences**

Emergency Computed Tomography in Ischemic Brain Infarction – E. Papadaki, A. Gouliamos, M. Kontogianni, M. Barbaressou, K. Vemmos. 10th Panhellenic Radiology Conference, Athens, 1996.

Structural Abnormalities in Patients with Rectal Dysfunction: A Study Using Defecography – I. Grammatikakis, E. Xynos, P. Prassopoulos, E. Papadaki, N. Gourtsoyiannis. 10th Panhellenic Radiology Conference, Athens, 1996.

Idiopathic Pulmonary Fibrosis: Assessment with High-Resolution Computed Tomography and Correlation with Pulmonary Function Tests – A. Voloudaki, I. Tritou, E. Papadaki, K. Psathakis, N. Siafakas, N. Gourtsoyiannis. 8th Pancretan Medical Conference, Agios Nikolaos, Crete, 1996.

Three-Dimensional Computed Tomography of the Paranasal Sinuses – M. Mazonakis, I. Damilakis, P. Prassopoulos, E. Papadaki, Ch. Skoulakis, I. Bizakis, N. Gourtsoyiannis. 8th Pancretan Medical Conference, Agios Nikolaos, Crete, 1996.

Percutaneous Placement of Self-Expanding Wallstent in Superior Vena Cava Syndrome – D. Tsetis, A. Katsamouris, E. Papadaki, A. Chatzidakis, N. Gourtsoyiannis. 7th Interuniversity Radiology Conference, Heraklion, 1997.

Hematogenous Spread of Metastases to the Trigeminal Nerve – E. Papadaki, S. Karabekios, Ch. Kourousis, N. Gourtsoyiannis. 11th Panhellenic Radiology Conference, Thessaloniki, 1998.

CT of Paranasal Sinuses: Low-Dose Protocol with Axial Slices and Coronal Reconstructions – E. Papadaki, P. Prassopoulos, I. Bizakis, I. Damilakis, E. Prokopakis, A. Voloudaki, S. Karabekios, N. Gourtsoyiannis. 11th Panhellenic Radiology Conference, Thessaloniki, 1998.

Imaging Findings of CNS Cryptococcosis in Patients with Acquired Immunodeficiency Syndrome – G. Gavridakis, S. Karabekios, E. Papadaki, N. Gourtsoyiannis. 9th Pancretan Medical Conference, Heraklion, 1998.

Study of Anatomical Variations of Nose and Paranasal Sinuses Using CT – G. Gavridakis, E. Papadaki, P. Prassopoulos, A. Voloudaki, N. Gourtsoyiannis. 9th Pancretan Medical Conference, Heraklion, 1998.

Ultrasonographic Findings of Cervical Lymphadenopathy in Children – A. Bakantaki, O. Papakonstantinou, E. Papadaki, P. Paspalaki, E. Magganas, N. Charoulakis, N. Gourtsoyiannis. 8th Interuniversity Radiology Conference, Patras, 1998.

Laparoscopic Ultrasonography and Transcystic Cholangiography for Investigation of the Common Bile Duct: Technical and Intraoperative Issues – H. Sanidas, A. Chatzidakis, E. Papadaki, E. De Bree, K. Albandaki, D. Tsiftsis. 21st Panhellenic Surgery Conference, Athens, 1998.

Imaging Findings of Cervical Lymph Nodes Using High-Resolution and Color Doppler Ultrasound in Children with Lymphoma – A. Bakantaki, O. Papakonstantinou, E. Papadaki, E. Steiakaki, M. Kalmanti, N. Gourtsoyiannis. 9th Panhellenic Hematology Conference, Heraklion, 1998.

Laparoscopic Ultrasonography and Transcystic Cholangiography: Therapeutic Option for Common Bile Duct Investigation After Failed ERCP – H. Sanidas, A. Chatzidakis, E. Papadaki, E. De Bree, K. Alpantaki, D. Tsiftsis. 9th Pancretan Medical Conference, Heraklion, 1998.

Findings of MR Cholangiography and MRI in Patients with Sclerosing Cholangitis – E. Papadaki, P. Prassopoulos, A. Chatzidakis, I. Mouzas, I. Peteinarakis, Ch. Leontidis, S. Karabekios, N. Gourtsoyiannis. 9th Interuniversity Radiology Conference, Athens, 1999.

Measurement of Magnetization Transfer Ratio and T2 Relaxation Times in Multiple Sclerosis Patients – E. Papadaki, N. Papanikolaou, S. Karabekios, M. Spiliotis, V. Mastorodimos, N. Gourtsoyiannis. 12th Panhellenic Radiology Conference, Athens, 2000.

Imaging Findings of Spongiform Encephalopathy in Cattle (Creutzfeldt-Jacob Disease) Using MRI – S. Karabekios, I. Tritou, A. Viskadouraki, M. Tsangournisakis, E. Papadaki, A. Plaitakis, N. Gourtsoyiannis. 12th Panhellenic Radiology Conference, Athens, 2000.

Study of Anatomical Variations of Nose and Paranasal Sinuses Using CT – G. Gavridakis, P. Prassopoulos, E. Papadaki, I. Bizakis, A. Voloudaki, N. Gourtsoyiannis. 10th Interuniversity Radiology Conference, Alexandroupoli, 2000.

Correlation of Magnetization Transfer Ratio (MTR) with Relative Cerebral Blood Volume (rCBV%) in Multiple Sclerosis Patients – E. Papadaki, N. Papanikolaou, S. Karabekios, M. Spiliotis, Th. Maris, N. Gourtsoyiannis. 14th Interuniversity Radiology Conference, Heraklion, 2004.

Perfusion Imaging in Multiple Sclerosis Patients: Correlation with Clinical Functional Status – E. Papadaki, N. Papanikolaou, S. Karabekios, M. Spiliotis, Th. Maris, N. Gourtsoyiannis. 14th Interuniversity Radiology Conference, Heraklion, 2004.

Study of “Dirty White Matter” (DWM) Regions in Multiple Sclerosis Using Perfusion-Weighted Imaging, Diffusion Tensor Imaging, and Magnetic Resonance Spectroscopy – N. Skoulikaris, E. Papadaki, S. Nikitidis, S. Karabekios, N. Papanikolaou, V. Mastorodimos, Th. Maris, N. Gourtsoyiannis. 16th Interuniversity Radiology Conference, Alexandroupoli, 2006.

Application of Advanced MRI Techniques in Imaging a Rare Case of Thalamic Glioma – K. Tsekouras, E. Papadaki, E. Manousaki, Th. Maris, B. Stylianaki, E. Amanakis, S. Karabekios. 18th Interuniversity Radiology Conference, Ioannina, 2008.

Perfusion-Weighted Imaging (PWI) in Clinically Isolated Syndrome (CIS) Patients: Diffuse Involvement of White and Deep Gray Matter – E. Papadaki, N. Skoulikaris, E. Amanakis, V. Mastorodimos, Th. Maris, S. Karabekios. 18th Interuniversity Radiology Conference, Ioannina, 2008.

Perfusion-Weighted MRI in CIS Patients Who Converted to Multiple Sclerosis: Increased Perfusion Compared to Those Remaining CIS – E. Papadaki, E. Amanakis, V. Mastorodimos, K. Tsekouras, Th. Maris, S. Karabekios. 19th Interuniversity Radiology Conference, Thessaloniki, 2009.

Study of Hemodynamic Disorders and Structural Changes in CIS Patients – S. Dimitriou, E. Kavroulakis, V. Mastorodimos, Th. Maris, P. Simos, E. Papadaki. 21st Interuniversity Radiology Conference, Heraklion, 2013.

Indolent Progressive Multifocal Leukoencephalopathy (PML) Following Natalizumab in a Relapsing MS Patient: Diagnostic Challenges and Management – M. Synodinos, K. Kanatsouli, P. Simos, E. Papadaki, G. Amoiridis, V. Mastorodimos. 1st Interdisciplinary MS Symposium, Thessaloniki, 2013.

Diplopia as the First Symptom in a Patient with Nasopharyngeal Tumor – K. Kanatsouli, V. Mastorodimos, E. Papadaki, G. Amoiridis. 26th Panhellenic Neurology Conference, Thessaloniki, 2013.

Correlation Between Hemodynamic Changes and Neuropsychological Outcomes in Chronic Traumatic Brain Injury Patients – S. Dimitriou, E. Kavroulakis, S. Papadopoulou, P. Simos, Th. Maris, E. Papadaki. 19th Panhellenic Radiology Conference, Athens, 2014.

Brain Circuits Involved in Mental Simulation Theory: A Functional MRI Study – E. Kavroulakis, E. Savvaki, Th. Boursianis, G. Kalaitzakis, P. Simos, Th. Maris, E. Papadaki. 22nd Interuniversity Radiology Conference, Athens, 2015.

Application of Multiexponential T2 Relaxation Mapping in Multiple Sclerosis Patients – E. Kavroulakis, G. Kalaitzakis, V. Mastorodimos, P. Simos, Th. Maris, E. Papadaki. 22nd Interuniversity Radiology Conference, Athens, 2015.

Application of Resting-State Functional MRI in Multiple Sclerosis and Clinically Isolated Syndrome Patients – E. Kavroulakis, S. Dimitriou, V. Mastorodimos, Th. Maris, P. Simos, E. Papadaki. 22nd Interuniversity Radiology Conference, Athens, 2015.

Resting-State Functional MRI in CNS Diseases – E. Kavroulakis, P. Simos, S. Dimitriou, V. Mastorodimos, I. Zaganas, A. Fanouriakis, G. Bertsias, P. Sidiropoulos, E. Papadaki. 23rd Interuniversity Radiology Conference, Alexandroupoli, 2017.

Spontaneous Non-Traumatic Pneumocephalus: Case Report – I. Peteinarakis, V. Fragkiadoulaki, A. Kozana, E. Papadaki. 23rd Interuniversity Radiology Conference, Alexandroupoli, 2017.

Resting-State Functional MRI in Systemic Lupus Erythematosus Patients with or without Neuropsychiatric Symptoms – E. Kavroulakis, S. Dimitriou, A. Fanouriakis, G. Bertsias, Th. Maris, P. Sidiropoulos, P. Simos, E. Papadaki. 23rd Interuniversity Radiology Conference, Alexandroupoli, 2017.