

# *CURRICULUM VITAE*

**ELEFThERIOS N. LAVDAS**

Associate Professor and Director of Radiology and Radiotherapy sector  
Department of Biomedical Sciences University of West Attica  
Ex Head of paramedical Laboratories in University Hospital of  
Larissa

Laboratory of Radiology – Medical Imaging

*E-mail address: [lavdas@uth.gr](mailto:lavdas@uth.gr), [llavdas@umiwa.gr](mailto:llavdas@umiwa.gr)*

- **Academic Education**

- 1985-1989: BSc in Diagnostic Radiography  
from the Technological Educational Institute of Athens
- 2005 : MSc in Medical Physics ( University of Patra, Greece )
- 2007: Ph.D. Research in Computed Tomography, University Thessaly,  
Greece.

- **Employment history**

- From 25-10-1991 to 4-6-1992: full-time radiographer in the  
Department of Nuclear Medicine of the diagnostic Center “  
Erevna” Larissa, Greece.
- From 4-6-1992 to 21-9-1993: full-time radiographer in  
Computed Tomography Department of the Aghia Sofia  
Children's Hospital, Athens, Greece
- From 21-9-1993 to 12-10-2000: full-time radiographer in CT  
and MRI Department of General Hospital of Larissa, Greece
- From 12-10-2000 to 27-4-2009: chief technician in University

Hospital of Larissa Laboratory of Radiology – Medical Imaging.

- From 27-4-09 to 5-7-2010: Head of paramedical Laboratories in University Hospital of Larissa, Greece ( Laboratory of Radiology – Medical Imaging).
- From 5-7-2010 : Application Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens.
- From 24-10-2014: Assistant Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens.

- **Educational Experience**

- 1996-1997: participation in the training of medical students at the lesson of Radiology ( University of Thessaly )
- 1998-1999: participation in the training of medical students at the lesson of ‘Laboratory of Medical Informatics’ ( University of Thessaly )
- 2000-2007: part-time Application Professor of Informatics, in the Department of Medical Laboratories, Technological Educational Institute of Larissa.
- 2006-July 2010: part-time Application Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens
- 2009- 2012: Full-time Professor in Master Medical Physics, University of Patra, Greece.
- 116 hours as a trainer of Hospital employees in ‘Quality Imaging in MRI’
- Assistant Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens.
- **Associate Professor and Director of Radiology and Radiotherapy sector Department of Biomedical Sciences University of West Attica**

- **Employment history**

- From 25-10-1991 to 4-6-1992: full-time radiographer in the Department of Nuclear Medicine of the diagnostic Center “Erevna” Larissa, Greece.
- From 4-6-1992 to 21-9-1993: full-time radiographer in Computed Tomography Department of the Aghia Sofia Children's Hospital, Athens, Greece
- From 21-9-1993 to 12-10-2000: full-time radiographer in CT and MRI Department of General Hospital of Larissa, Greece
- From 12-10-2000 to 27-4-2009: chief technician in University Hospital of Larissa Laboratory of Radiology – Medical Imaging.
- From 27-4-09 to 5-7-2010: Head of paramedical Laboratories in University Hospital of Larissa, Greece ( Laboratory of Radiology – Medical Imaging).
- From 5-7-2010 : Application Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens.
- From 24-10-2014: Assistant Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens.
- From 6-6-2014 Associate Professor and Director of Radiology and Radiotherapy sector Department of Biomedical Sciences
  - University of West Attica

- **Educational Experience**

- 1996-1997: participation in the training of medical students at the lesson of Radiology ( University of Thessaly )
- 1998-1999: participation in the training of medical students at the lesson of ‘Laboratory of Medical Informatics’ ( University of Thessaly )
- 2000-2007: part-time Application Professor of Informatics, in the Department of Medical Laboratories, Technological Educational Institute of Larissa.
- 2006-July 2010: part-time Application Professor in the DEPARTMENT OF MEDICAL RADIOLOGICAL

TECHNOLOGISTS Technological Educational Institute of Athens

- 2009-today: part-time Professor in Master Medical Physics, University of Patra, Greece.
- 116 hours as a trainer of Hospital employees in ‘Quality Imaging in MRI’
- **D. Awards & Distinctions**
- Enrollment in the DEPARTMENT OF MEDICAL RADIOLOGICAL TECHNOLOGISTS Technological Educational Institute of Athens after successful participation in national exams with the fourth better gradation
- Co writer of an awardee paper of the 2<sup>nd</sup> Hellenic Congress of Medical Radiological Technologists in 2000.
- 1<sup>st</sup> Radiographer in Greece ever accepted in a Master
- Unique Radiographer in Greece with Ph.D from a Greek University..

- **Scientific Research**

- Master Thesis

**Subject:** « Quality imaging in Computed Tomography ».

### **Ph.D**

**Subject:** «Artifacts in spiral CT protocols: The importance of the spatial reconstruction in Thoracic Aorta and Brain examinations ».

## **PAPERS IN INTERNATIONAL JOURNALS**

**Δ1.** Karantanas AH, Zibis A, Roysogiannis S, Velesiotou C, **Lavdas E.** In vitro orbital

volume measurement using computed tomography. *Radiologica Diagnostica* 1994; 35: 265-268 (**Scopus - Citation 1**).

**Δ2.** Paterakis K, Anagnostopoylos V, **Lavdas E**, Argiri P, karaiskou E, Slatinopouls V, Karantanas AH. Late CT findings and final outcome of patients with blunt brain trauma. Monduzzi Editore. *Clinical Neurology and Neurosurgery*, Volume 99, Supplement 1, July 1997 Pages: S18-S19 (**ScienceDirect**).

**Δ3.** N. Papanikolaou, AH. Karantanas **and E . Lavdas**. MR Imaging of the Liver using an ultralast 3d Multi shot EPI seguenle, *Acta Radiologica* 1999 May; 40 (3): 322-5, (**PubMed - Impact Factor 2,011 - Citation 2**).

**Δ4.** Karantanas AH, Vasiou K, **Lavbas E and** Papanikolaou N. EPI of the Brain. (*Magn Reson Imaging* 1999 Jun; 17 (5): 663-8). (**PubMed - Impact Factor 2,225 - Citation 2**).

**Δ5.** Giorgos K. Sakkas, Konstantinos I. Gourgoulianis, Cristina Karatzaferi, Vassilios Liakopoylos, Maria D. Maridaki, Chaido Pastaka, **Eleftherios Lavdas**, Brain J. Soher, Spiros Dovas, Ioannis Fezoulidis, Georgios M. Hadjigeorgiou, and Ioannis Stefanidis. Haemodialysis patients with sleep apnoea syndrome experience increased central adiposity and altered muscular composition and functionality. *Nephrol Dial Transplant*, 2007 Sept 22; (**PubMed - Impact Factor 3.2 Citation 19**).

**Δ6.** Giorgos K. Sakkas, Cristina Karatzaferi, Vassilios Liakopoylos, Maria D. Maridaki, **Eleftherios Lavdas**, Cristoforos D. Giannaki, Konstantinos I. Gourgoulianis, and Ioannis Stefanidis. Polysomnographic Evidence of Sleep Apnoea Disorders in Lean and Overweight Haemodialysis patients. *Journal of Renal Care. Nephrol Dial Transplant*, 2007 Sept 22; (**PubMed - Impact Factor 3.2, Citation 5**).

**Δ7.** Giorgos K. Sakkas, Cristina Karatzaferi, Elias Tzitzaras, Cristoforos D. Giannaki Vassilios Liakopoylos, **Eleftherios Lavdas**, Eleni Damani, Nikos Liakos, Ioannis Fezoulidis, Yiannis Koutedakis, and Ioannis Stefanidis. Liver fat, visceral adiposity, and sleep disturbances contribute to the development of insulin resistance and glucose intolerance in nondiabetic dialysis patients. *Am J Physiol Regul Integr Comp Physiol* 295: 1721-1729,2008. (**PubMed - Impact Factor 3.7, Citation 14**).

**Δ8.** E. Λαβδάς, Β. Ροκά, Γ. Πρωτόγερου, Μ. Βλυχού, Ι.Β. Φεζουλίδης. Εξάλειψη τεχνικών σφαλμάτων με την τμηματική ανασύνθεση σε εξετάσεις θωρακικής αορτής. *Archives of Hellenic Medicine*. 26(3)384-389, 2009 (**Scopus - Citation1**).

**Δ9.** **Lavdas E.**, Vlychou M, Roka V, Wozniak G., Protogerou G., Fezoulidis I. Artifacts in spiral CT protocols: The importance of the spatial reconstruction (2009) *European Journal of Radiography* 1,(2) 73-79 (**Scopus- ScienceDirect- Citation1**).

**Δ10.** **Lavdas E**, Vlychou M, Arikidis N, Kapsalaki E, Roka V, Fezoulidis IV. Comparison of T1-weighted fast spin-echo and T1-weighted fluid-attenuated inversion

recovery images of the lumbar spine at 3.0 Tesla. *Acta Radiol.* Vol. 51, No. 3. Pages 290-295 2010 , (**PubMed - Impact Factor 2,011 - Citation 13**).

**Δ11.** Katerina Vassiou, Theodora Kanavou, Marianna Vlychou, Antigoni Poultsidi, Maria Ioannou, **Eleftherios Lavdas**, Dimitris L. Arvanitis, Ioannis V. Fezoulidis. Morphological and kinetic characteristics of dynamic contrast-enhanced MRI (DCE-MRI) correlated with histopathological factors of breast cancer: A potential prognostic role of breast MRI? *European Journal of Radiography* 1,(3) 73-79 2010 (**Scopus-ScienceDirect, Citation 3**).

**Δ12. Lavdas Eleftherios**, Mavroidis P, Vassiou K, Roka V, Vlychou M, Fezoulidis IV. Elimination of Chemical Shift artifacts of Thoracic Spine with contrast-enhanced FLAIR imaging with fat suppression at 3.0T. *Magn Reson Imaging* 2010 Dec;28(10):1535-40. Epub 2010 Sep 17 (**PubMed - Impact Factor 2.225 - Citation 7**).

**Δ13. Ε. Λαβδός**, Π. Μαυροειδής, Β. Ροκά, Ι.Β. Φεζουλίδης, Κ. Βάσιου. Παγίδες στην παραγωγή των κινητικών καμπυλών της Δυναμικής Μαγνητικής Μαστογραφίας στα 3T και τρόποι αποφυγής του. *Archives of Hellenic Medicine*, 27(5), Σεπτέμβριος-Οκτώβριος 2010, 811-817. (**Scopus, Citation 1**).

**Δ14.** Giannaki CD, Sakkas GK, Hadjigeorgiou G, Karatzaferi C, Patramani G, **Lavdas E**, Liakopoulos V, Koutedakis Y, Stefanidis I. Non-Pharmacological Management of Periodic Limb Movements During Hemodialysis Session in Patients With Uremic Restless Legs Syndrome. *ASAIO Journal*. 56(6):538-542, November/December 2010 (**PubMed - Impact Factor 2.190 – Citation 11**).

**Δ15.** Tzikas A, Karaiskos P, Papanikolaou N, Sandilos P, Koutsouveli E, **Lavdas E**, Scarleas C, Dardoufas K, Lind BK, Mavroidis P. Investigating the Clinical Aspects of Using CT vs. CT-MRI Images During Organ Delineation and Treatment Planning in Prostate Cancer Radiotherapy. *Technol Cancer Res Treat*. 2011 Jun;10(3):231-42. (**PubMed - Impact Factor 2.02 – Citation 8**).

**Δ16.** Giannaki CD, Sakkas GK, Karatzaferi C, Hadjigeorgiou GM, Lavdas E, Liakopoulos V, Tsianas N, Koukoulis GN, Koutedakis Y, Stefanidis I. Evidence of increased muscle atrophy and impaired quality of life parameters in patients with uremic restless legs syndrome. *PLoS One*. 2011;6(10):25180. (**PubMed - Impact Factor 4.35 – Citation 21**).

**Δ17.** Markonis A, Mazioti A, Wozniak G, **Lavdas E**, Vassiou K, Fezoulidis I. Perfusion sensitive contrast-enhanced magnetic resonance imaging of dysembryoplastic neuroepithelial tumour: a new neuroimaging finding. *Neurol Neurochir Pol*. 2012 Mar-Apr;46(2):184-8.

**Δ18. Lavdas E**, Mavroidis P, Hatzigeorgiou V, Roka V, Arikidis N, Oikonomou G, Andrianopoulos K, Notaras I. Elimination of motion and pulsation artifacts using

BLADE sequences in knee MR imaging. *Magn Reson Imaging*. Oct;30(8):1099-110. doi: 10.1016/j.mri.2012.04.001(PubMed - Impact Factor 2.225 – Citation 12).

**Δ19.** Tzikas A, Komisopoulos G, Ferreira BC, Hyodynmaa S, Axelsson S, Papanikolaou N, **Lavdas E**, Lind BK, Mavroidis P. Radiobiological Evaluation of Breast Cancer Radiotherapy Accounting for the Effects of Patient Positioning and Breathing in Dose Delivery. A Meta Analysis. *Technol Cancer Res Treat Technol Cancer Res Treat*. 2013 Feb;12(1):31-44. Epub 2012 Jul 10. (PubMed – Impact Factor 2.204, Citation 1).

**Δ20.** **Lavdas E**, Mavroidis P, Roka V, Arikidis N, Arvanitis DL, Fezoulidis IV, Vassiou K. A method for limiting pitfalls in the production of enhancement kinetic curves in 3T dynamic magnetic resonance mammography. *J Thorac Dis*. 2012 Aug;4(4):358-67.

**Δ21.** **Lavdas E**, Mavroidis P, Kostopoulos S, Glotsos D, Roka V, Topalzikis T, Bakas A, Oikonomou G, Papanikolaou N, Batsikas G, Kaffes I, Kechagias D. Improvement of image quality using BLADE sequences in brain MR imaging. *Magn Reson Imaging*. 2013 Feb;31(2):189-200. doi: 10.1016/j.mri.2012.08.001. Epub 2012 Sep 7. (PubMed - Impact Factor 2.225- Citation 11).

**Δ22.** **E. Lavdas**, M. Vlychou, N. Arikidis, E. Kapsalaki, V. Roka, I. Fezoylidis. How reliable is MRCP with a SS-FSE sequence at 3.0 T: Comparison between SS-FSE BH and 3D-FSE BH Asset Sequences. *Clin Imaging*. 2013 Jul-Aug;37(4):697-703. doi: 10.1016/j.clinimag.2013.01.011. Epub 2013 Mar 20. (PubMed - Impact Factor 1.015- Citation 2).

**Δ23.** Ekaterini Solomou, Spiros Kostopoulos, Konstantinos Sidiropoulos, Emmanouil Athanasiadis, **Eleftherios Lavdas**, Dimitris Glotsos, George Sakellaropoulos, Petros Zampakis, John Stonham and Dionisis Cavouras. Designing a pattern recognition system on GPU for discriminating between patients with micro-ischaemic and multiple sclerosis lesions, using MRI images. *International Journal of High Performance Computing Applications*-11-2012 1-12 (Impact Factor 0.643).

**Δ24.** Boutsikou K, Kostopoulos S, Glotsos D, Cavouras D, **Lavdas E**, Oikonomou G, Malizos K, Fezoulidis IV, Vlychou M. Texture analysis of articular cartilage traumatic changes in the knee calculated from morphological 3.0T MR imaging. *Eur J Radiol*. 2013 Aug;82(8):1266-72 (PubMed - Impact Factor 2.617- Citation 2).

**Δ25.** **E. Lavdas**, P. Mavroidis, S. Kostopoulos, D. Glotsos, V. Roka, A. Koutsiaris, G. Batsikas, G. Sakkas, A. Tsagkalis, I. Notaras, S. Stathakis, N. Papanikolaou, K. Vassiou. Elimination of motion, pulsatile flow and cross-talk artifacts using Blade sequences in lumbar spine MR imaging. *Magn Reson Imaging*. 2013 Jul;31(6):882-90 (PubMed - Impact Factor 2.225- Citation 5).

**Δ26** Kostopoulos S, Sidiropoulos K, Glotsos D, Athanasiadis E, Boutsikou K, **Lavdas E**, Oikonomou G, Fezoulidis IV, Vlychou M, Hantes M, Cavouras D. Image analysis of traumatic chondral lesions of the knee in young adults at 3.0T with arthroscopic correlation. *Magnetic Resonance Imaging*. 2013 Jun;31(5):761-70. doi: 10.1016/j.mri.2012.10.029. Epub 2013 Jan 17. (**PubMed - Impact Factor 2.225**).

**Δ.27. Lavdas E**, Topalzikis T, Mavroidis P, Kyriakis I, Roka V, Kostopoulos S, Glotsos D, Zilidis C, Stathakis S, Tsagakalis A, Papanikolaou N, Batsikas G, Arvanitis DL, K.Vasiou. Comparison of PD BLADE with fat saturation (FS), PD FS and T2 3D DESS with water excitation (WE) in detecting articular knee cartilage defects. *Magn Reson Imaging*. 2013 Oct;31(8):1255-62. S0730-725X(13)00218-X. 10.1016/j.mri.2013.06.007. (**PubMed - Impact Factor 2.225- Citation 5**).

**Δ.28. Lavdas, E.**, Mavroidis, P., Topalzikis, T., Slatinopoulos, V., Roka, V., Vlachopoulou, A., Papanikolaou, N., (...), Batsikas, G. Comparison of BLADE and conventional T2-TSE sequences for the sagittal visualization of the cervical spinal cord in multiple sclerosis patients - A case report . *Magn Reson Imaging*. 2013 Dec;31(10):1766-70. doi: 10.1016/j.mri.2013.07.008. Epub 2013 Aug 29. (**PubMed - Impact Factor 2.225- Citation 1**).

**Δ.29.** Giannaki, C.D., Sakkas, G.K., Karatzaferi, C., Hadjigeorgiou, G.M., **Lavdas, E.**, Kyriakides, T., Koutedakis, Y., Stefanidis, I. Effect of exercise training and dopamine agonists in patients with uremic restless legs syndrome: A six-month randomized, partially double-blind, placebo-controlled comparative study. *BMC Nephrol*. 2013 Sep 11;14:194. doi: 10.1186/1471-2369-14-194. (**PubMed - Impact Factor 1.991- Citation 29**).

**Δ.30. Lavdas, E.**, Tsougos, I., Arikidis, N., Roka, V, Fezoulidis, I.V, Vlychou, M. Evaluation of fat saturation and contrast enhancement on T1-weighted FLAIR sequence of the spine at 3.0 T . *Clin Imaging*. 2014 Jul-Aug;38(4):428-33. (**PubMed - Impact Factor 1.015- Citation 1**).

**Δ.31. Lavdas E**, Tsougos I, Kogia S, Gratsias G, Svolos P, Roka V, Fezoulidis IV, Kapsalaki E. T2 FLAIR artifacts at 3-T brain magnetic resonance imaging. *Clin Imaging*. 2014 Mar-Apr;38(2):85-90. doi: 10.1016/j.clinimag.2013.10.004. PMID: 24359643. (**PubMed - Impact Factor 1.015- Citation 1**).

**Δ.32.** Glotsos, D., Vassiou, K., Kostopoulos, S., **Lavdas, E** (...), Fezoulidis, I.V., Cavouras, D. A modified Seeded Region Growing algorithm for vessel segmentation in



breast MRI images for investigating the nature of potential lesions. 2014. Journal of Physics: Conference Series

**Δ.33. Lavdas, E.,** Mavroidis, P., Kostopoulos, S., (...), Papanikolaou, N., Batsikas, G. Reduction of motion, truncation and flow artifacts using BLADE sequences in cervical spine MR imaging Magn Reson Imaging. 2015 Feb;33(2):194-200. doi: 10.1016/j.mri.2014.10.014. **(PubMed - Impact Factor 2.225- Citation 4).**

**Δ.34.** Gratsias G, Kapsalaki E, Kogia S, Dardiotis E, Tsimourtu V, **Lavdas E,** Kousi E, Pelekanou A, Hadjigeorgiou GM, Fezoulidis I.A quantitative evaluation of damage in normal appearing white matter in patients with multiple sclerosis using diffusion tensor MR imaging at 3 T.Acta., Neurol Belg. 2015 Jun;115(2). **(PubMed -- Impact Factor 1.495, Citation 5).**

**Δ.35. Lavdas, E.,** Vlychou, M., Zaloni, E., (...), Dailiana, Z., Fezoulidis, I. Elimination of motion and pulsation artifacts using BLADE sequences in shoulder MR imaging. 2015. Skeletal Radiology. 2015 Nov;44(11):1619-26. doi: 10.1007/s00256-015-2232-3. **(PubMed - Impact Factor 1.527 - Citation 3).**

**Δ. 36** Emmanouil I Petrou, Ganesh Narayanasamy, **Eleftherios Lavdas,** Sotirios Stathakis, Nikos Papanikolaou, Bengt K Lind, Panayiotis Mavroidis. Evaluation of the generalized gamma as a tool for treatment planning optimization. Int J Cancer Ther Oncol 2014; 2(4):020418. DOI: 10.14319/ijcto.0204.18. **Impact Factor 0.565- Citation).**

**Δ. 37** Vassiou K, Kotrogianni F, **Lavdas E,** Vlychou M, Fanariotis M, Arvanitis DL, Fezoulidis IV. Tracheobronchial variations evaluated by multi-detector computed tomography and virtual bronchoscopy. OA Case Reports 2013 Mar 01;2(3):23.

**Δ.38.** Kostopoulos SA, Vassiou KG, **Lavdas EN,** Cavouras DA, Kalatzis IK, Asvestas PA, Arvanitis DL, Fezoulidis IV, Glotsos DT. Computer-based automated estimation of breast vascularity and correlation with breast cancer in DCE-MRI images. Magn Reson Imaging. 2017 Jan;35:39-45. doi: 10.1016/j.mri.2016.08.007. **(PubMed - Impact Factor 2.225- Citation).**

**Δ.39.** Mavroidis P, Giankou E, Tsikrika A, Kapsalaki E, Chatzigeorgiou V, Batsikas G, Zaimis G, Kostopoulos S, Glotsos D, Ninos K, Georgountzos V, Kavouras D, **Lavdas E.** Brain imaging: Comparison of T1W FLAIR BLADE with conventional T1W SE. Magn Reson Imaging. 2016 Dec 7;37:234-242. doi: 10.1016/j.mri.2016.12.007. **(PubMed - Impact Factor 2.225- Citation).**

**Δ.40.** P Mavroidis, N Boci, S Kostopoulos, C Ninos, D Glotsos, G Oikonomou, A Bakas, V Roka, G Sakkas, A Tsagkalis, V Chatzivasileiou, G Batsikas, D Cavouras, N Papanikolaou S Stathakis , **E Lavdas.** Investigation of the possibility to reduce

susceptibility artifacts in MRI knee examination. JMBE. October 2017, Volume 37, Issue 5, pp 644–652. (**PubMed - Impact Factor 0.989**).

**Δ. 41.** Mavroidis P, Roka V, Kostopoulos S, Batsikas G, Lavdas E. Arachnoid cysts: the role of the BLADE technique. Hippokratia. 2016 Jul-Sep;20(3):244-248. (PubMed).

**Δ. 42.** Sakkas GK1, Tsaknaki E, Rosa CS, Giannaki CD, Krase AA, **Lavdas E**, Hadjigeorgiou GM, Stefanidis I, Karatzaferi C. The Effect of Cold Dialysis in Motor and Sensory Symptoms of RLS/WED Occurring During Hemodialysis: A Double-Blind Study ASAIO J. 2018 Jan/Feb;64(1):110-114. doi: 10.1097/MAT.0000000000000622. . (**PubMed - Impact Factor 2.190**).

**Δ. 43.** Dimitriadou E, Giannaki CD, Tsekoura M, Stefanidis I, Hadjigeorgiou GM, **Lavdas E**, Karatzaferi C, Sakkas GK. Restless legs syndrome/Willis-Ekbom disease prevalence in beta thalassemia patients. Sleep Breath. 2018 Mar;22(1):175-179. doi: 10.1007/s11325-017-1497-2. Epub 2017 Apr 19. **PubMed - Impact Factor 2.288**).

**Δ.44.** Bence T. Gaizer, Katerina G. Vassiou, Eleftherios Lavdas, Dimitrios L. Arvanitis, Ioannis V. Fezoulidis, Dimitris T. Glotsos. Comparative analysis of methods for extracting vessel network on breast MRI images. IOP Journal of Physics: Conference Series (JPCS) Volume 931.

**Δ. 45.** Gaizer, B.T, Vassiou, K.G, **Lavdas, E**, Arvanitis, D.L, Fezoulidis, I.V, Glotsos, D.T. Comparative analysis of methods for extracting vessel network on breast MRI images. Journal of Physics: Conference Series. 931(1),012027

**Δ. 46.** Koukou, V., Martini, N., Valais, I., Kalyvas N, **Lavdas E**(...), Kandarakis, I., Michail, C. 2017 Resolution Properties of a Calcium Tungstate (CaWO<sub>4</sub>) Screen Coupled to a CMOS Imaging Detector . Journal of Physics: Conference Series

**Δ. 47.** Ana Jurkovic, Esengul Kocak-Uzel, , Abdallah Sherif Radwan Mohamed, **Eleftherios Lavdas**, Sotirios Stathakis, Nikos Papanikolaou, David C. Fuller, Panayiotis Mavroidis. Dosimetric and Radiobiological Evaluation of Patient Setup Accuracy in Head-and-neck Radiotherapy Using Daily Computed Tomography-on-rails-based Corrections. JMP\_113\_17R7

**Δ 48.** Christos Konstandinou, Dimitris Glotsos , Spiros Kostopoulos , Ioannis Kalatzis, Panagiota Ravazoula, George Michail, **Eleftherios Lavdas**, Dionisis Cavouras, and George Sakellaropoulos. Multi feature Quantification of Nuclear Properties from Images of H&E-Stained Biopsy Material for Investigating Changes in Nuclear Structure with Advancing CIN GradeJ Healthc Eng. 2018 Jul 5;2018:6358189.

**Δ 48.** Christos Konstandinou, Dimitris Glotsos , Spiros Kostopoulos , Ioannis Kalatzis, Panagiota Ravazoula, George Michail, **Eleftherios Lavdas**, Dionisis Cavouras,

and George Sakellaropoulos<sup>1</sup>. Multi feature Quantification of Nuclear Properties from Images of H&E-Stained Biopsy Material for Investigating Changes in Nuclear Structure with Advancing CIN Grade J Healthc Eng. 2018 Jul 5;2018:6358189.

**50.** Dimitriadou, E., Giannaki, C.D., Tsekoura, M., .. **lavdas E** .Karatzaferi, C., Sakkas, G.K. Restless legs syndrome/Willis–Ekbom disease prevalence in beta thalassemia patients. Sleep and Breathing, 2018, 22(1), pp. 175-179

**51.** Martini, N., Koukou, V., Fountos, G., ... **lavdas E** Gogou, L., Panayiotakis, G. Imaging performance of a CaWO<sub>4</sub>/CMOS sensor.n Frattura ed Integrita Strutturale, 2019, 13(50), pp. 471-480

**52. Lavdas, E.**, Papaioannou, M., Boci, N., ...Gogou, L., Mavroidis, P. Common and Uncommon Artifacts in T1 FLAIR SAG Sequences of MRI Brain. Current Problems in Diagnostic Radiology, 2019

**53.** Kaltsatou, A., Hadjigeorgiou, G.M., Grigoriou, S.S.,....., **lavdas E** ...Stefanidis, I., Sakkas, G.K. Cardiac autonomic function during intradialytic exercise training. Postgraduate Medicine, 2019, 131(7), pp. 539-545.

**54.** Anastasiou, A., Papastamati, F., Bakas, A., C.Michaila, V.Koukoua, Martinia, K.Ninos, **E Lavdas**, I.Valais. ...., N .Kalyvas patial frequency domain analysis of a commercially available digital dental detector Measurement: Journal of the International Measurement Confederation, 2020, 151, 107171

**55.** Rosa, C.S.C., Giannaki, C.D., Kruse, A., Mplekou, M., Grigoriou, S. Stefanidis, I, **Lavdas, E.**,...Karatzaferi, C., Sakkas, G.K. Effects of 12 months of detraining on health-related quality of life in patients receiving hemodialysis therapy. International Urology and Nephrology, 2020, 52(9), pp. 1771-1778

## **PAPERS IN INTERNATIONAL ELECTRONIC JOURNALS**

D.Koumarianos, **E. Lavdas**, N.I Fezoylidis, I.V. Fezoulidis. The value of the radial head – capitellum view in the evaluation of patients with injury of the elbow. **AuntMinnie**.

## CITATIONS

1. Mori k, Shiigai M, Ueda T, Kita N, Tanaka N, Minami M. Assessment of the uterine Artery before uterine arterial embolization: Comparison of unenhanced 3D water-excitation sensitivity-encoding time-of-flight (WEST) and gadolinium-enhanced 3D sensitivity-encoding water-excitation multishot echo-planar (SWEEP) MR angiography. *Journal of Magnetic Resonance Imaging* 2008 27 (3), pp. 557-562.
2. Pirsopoulos N, Hookman P, Barkin J. Update on the causes and standard of care for the diagnosis and treatment of hepatocellular carcinoma. *Practical Gastroenterology*. 2005 29(4), pp 98-116.
3. Hingst V, Knaapel A, Schittkowski M, Hauenstein K.H, Guthoff R. The methodology and accuracy of MRI-based orbital volume calculations | [Zur methodik und genauigkeit der MR-volumetrie der orbita] *Klinische Monatsblätter für Augenheilkunde*. 2004, 221 (11), pp. 894-897.

**Total (321).**

## ABSTRACTS IN INTERNATIONAL CONGRESSES

Paterakis k, Anagnostopoulos V, **Lavdas E**, Argiri P, Karaiskou E, Slatinopoulos V, Karantanas AH. Late CT findings and final outcome of patients with blunt brain trauma.

11<sup>th</sup> International Congress of Neurological Surgery, Amsterdam, The Netherlands, 6-11 July 1997.

A. Markonis, A.H. Karantanas, **E. Lavdas**, I. Fezoulidis: Larissa/GR .MR arthrography: ex vacuo investigation of the technique and its diagnostic efficacy at 1.0 T. 11<sup>th</sup> European congress of Radiology, Vienna, The Austria, 7-12 March 1999.

A.H.Karantanas, K.Vasiou, E. Makri, A. Sioka, M.Boulbou, N. Papanikolaou, **E. Lavdas**, T.Tsikrikas: Larissa/GR. Liver diseases and SPIO administration: MR imaging applying 8 pulse sequences at 1.0 T.11<sup>th</sup> European congress of Radiology, Vienna, The Austria,7-12 March 1999.

A.H. Karantanas, K.Vasiou, **E. Lavdas**, N. Papanikolaou : Larissa/GR .Comparison of T1-weighted spin-echo and 3D-T1-weighted echo planar pulse sequences in imaging the brain at 1.0 T.11<sup>th</sup> European congress of Radiology,Vienna,The Austria,7-12 March 1999.

N. Papanikolaou, A.H. Karantanas, **E. Lavdas**, T. Maris, N. Gourtsogiannis: Larissa, Athens , Iraklio /GR. Evaluation of blue berry juice as a negative oral contrast agent for MRCP studies . 11<sup>th</sup> European congress of Radiology,Vienna,The Austria,7-12 March 1999.

D.Koumarianos, **E. Lavdas**, N.I Fezoylidis, I.V. Fezoylidis. The value of the radial head – capitellum view in the evaluation of patients with injury of the elbow. ECR 2005/ European congress of Radiology, Vienna, The Austria, 4-8 March 2005.

D.Koumarianos, **E. Lavdas**, K. Vasiou, V. Roka, I.V. Fezoylidis. MR Cholangiopancreatography: Comparison between Single –Section (2D) TSE, Multi – Section SSTSE and 3D TSE with Respiratory Triggering.1<sup>st</sup> Euro – Mediterranean Congress for Radiographers.Σεπτέμβριος 2005 Μάλτα.

**E. Lavdas**, E. Kostaridou,, G. Panagiotakis, K. Vasiou, M Vlychou , V Roka , C Quality imaging in Computed Tomography. 1<sup>st</sup> Cyprus Hellenic Congress Radiology Technology and Radiotherapy November 2005 Cyprus.

G.Tsimitselis, **E. Lavdas**, I. Fezoulidis. A proposed method to perform length and angle measurements of the lower leg using composed digital radiographic image. Larissa/GR. ECR 2006/ European congress of Radiology,Vienna,The Austria,3-7 March 2006.

**E. Lavdas**, ,G. Plataniotis, K. Kapas, G.Tsimitselis, I. Fezoulidis. The result of scan and reconstruction parameters in image quality of spiral computed tomography. 2<sup>nd</sup> Cyprus Hellenic Congress Radiology April 2006, Cyprus.

**E. Lavdas**, F. Nakopoulou, M Vlychou, I. Fezoulidis. Spatial reconstruction for the elimination of motion artifacts. 2<sup>nd</sup> Cyprus Hellenic Congress Radiology April 2006, Cyprus.

G.K. Sakkas, N. Oustampasidou, **E. Lavdas**, C. Giannaki, C. Karatzaferi, M. Giannopoulou, V.G. Papastergiou, Vassilios Liakopoylos, Ioannis Stefanidis. The association between Liver and skeletal muscle fat infiltration and insulin resistance in Haemodialysis patients. 36<sup>th</sup> EDTNA/ERCA International Conference. 15-18 September 2007 Florence, Italy.

Giorgios K. Sakkas, Christina Karatzaferi, Cristoforos D. Giannaki, **E. Lavdas**, Efthimios Atmatzidis, Aggeliki Kanaki, Vassilios Liakopoylos, Yiannis Koutedakis, Ioannis Stefanidis. Aerobic Exercise Improves Sleep Efficiency and Reduces Apnea Episodes in Haemodialysis patients. Journal of the American Society of Nephrology (October 31-November 5, 2007~ San Francisco, CA, USA.

Sakkas GK, Liakopoulos V, Giannaki CD, Hadjigeorgiou GM, Karatzaferi C, Misailidi M, Tsaknaki E, **Lavdas E**, Stefanidis I. Optimizing exercise regimes for the amelioration of RLS symptoms in hemodialysis patients. 5<sup>th</sup> International Congress 'Quality of life in Chronic Disease' 13-14 February 2009, Thessaloniki.

Mazioti A, Markoni A, Wozniak G, **Lavdas E**, Vassiou K, Fezoulidis I. Perfusion Sensitive Contrast Enhanced MR Imaging of Dysembryoplastic Neuroepithelial Tumor (DNT): A New Neuroimaging Finding: Acta Neurobiologiae Experimentalis. 9<sup>th</sup> International Congress Page 320.

**E. Lavdas**, E. Kapsalaki, N. Arikidis, M. Vlychou, V. Roka, I. Fezoulidis. Magnetic resonance cholangiopancreatography (MRCP) at 3T comparison between two breath-hold sequences with array spatial sensitivity technique (asset). . ECR 2010/ European congress of Radiology, Vienna, The Austria, Digital Poster March 2010.

**E. Lavdas**, A. Tsitsiridou, P. Mavroidis, V. Roka, D.L. ARVANITIS, I.V. Fezoulidis, K. Vasiou. Pitfalls in the production of enhancement kinetic curves in 3T dynamic magnetic resonance mammography and means of avoidance. . 4<sup>th</sup> Cyprus Hellenic Congress Radiology April 2010, Cyprus.

**E. Lavdas**, E. Kapsalaki, N. Arikidis, M. Vlychou, V. Roka, I. Fezoylidis. Magnetic resonance cholangiopancreatography (mrCP) at 3T comparison between two breath-hold sequences with array spatial sensitivity technique (asset). ECR 2010/ European congress of Radiology, Vienna, The Austria, Digital Poster March 2010.

**E. Λαβδάς**, Π. Μαυροειδής, Β. Ροκά, Ι.Β. Φεζουλίδης, Κ. Βάσιου. Παγίδες στην παραγωγή των κινητικών καμπυλών της Δυναμικής Μαγνητικής Μαστογραφίας στα 3T και τρόποι αποφυγής τους. 4ο Κυπριακό-Ελληνικό Συνέδριο Ακτινολογίας. Απρίλιος 2010 Κύπρος.

. Κ. Boutsikou, S. Kostopoulos, **E. Lavdas**, G. Oikonomou, D. Cavouras, M. Vlychou. Image analysis of traumatic chondral lesions of the knee in young adults at 3.0T with arthroscopic correlation. 17th Annual Congress of the European Society of Musculoskeletal Radiology (ESSR), Lille, France – June 17–19, 2010.

### **E. Lavdas. 'A. Advantages of high field MRI: a radiographer's**

**perspective'**. 1. To be able to identify human anatomical areas where the use of high field MRI is advantageous compared to low field MRI. 2. To be able to identify human body and brain pathologies whose depiction is facilitated by high field MRI compared to low field MRI. 3. To understand the important role of the radiographer in making the most of advanced MRI technology. **ECR 2012.**

D Glotsos, K Vassiou, S Kostopoulos<sup>1</sup>, **E Lavdas**, I Kalatzis, P Asvestas, D L Arvanitis, D Cavouras, I V Fezoulidis. A modified Seeded Region Growing algorithm for vessel segmentation in breast MRI images for investigating the nature of potential lesions. Praha. SRG. 2013.

E Lavdas, P Mavroidis, K Vassiou, V Roka, I Fezoulidis, M Vlychou. Investigation of a Technique for Eliminating of Chemical Shift Artifacts with T1-Weighted FLAIR Images at 3.0T, in Thoracic Spine Imaging Examination. AAPM. 2013

Σ.25. P Mavroidis, E Lavdas, S Kostopoulos, D Glotsos, V Roka, A Koutsiaris, G Batsikas, G Sakkas, A Tsagkalis, I Notaras, S Stathakis, N Papanikolaou, K Vassiou. Use of Blade Sequences in Lumbar Spine MR Imaging for Eliminating Motion, Pulsatile Flow and Cross-Talk Artifacts. . AAPM. 2013

P Mavroidis, E Lavdas, S Kostopoulos, C Ninos, A Strikou, D Glotsos, A Vlachopoulou, G Oikonomou, N Economopoulos, V Roka, G Sakkas, A Tsagkalis, S Stathakis, N Papanikolaou, G Batsikas. Use of Blade Sequences in Cervical Spine MR Imaging for Eliminating Motion, Truncation and Flow Artifacts. AAPM. 2014.

Σ.27. P Mavroidis, N Boci, S Kostopoulos, C Ninos, D Glotsos, G Oikonomou, A Bakas, V Roka, G Sakkas, A Tsagkalis, V Chatzivasileiou, G Batsikas, D Cavouras, N Papanikolaou, S Stathakis , E Lavdas. Investigation of the possibility to reduce susceptibility artifacts in MRI knee examination. AAPM. 2015 JUL 12-16

P Mavroidis<sup>1</sup>, A Vlachopoulou , S Kostopoulos , C Ninos, D Glotsos, A Bakas , G Oikonomou, V Roka , E Kapsalaki , A Tsirika , N Papanikolaou , S Stathakis , E Lavdas. Arachnoid Cysts: The Role of the BLADE Technique AAPM. 2015 JUL 12-16

**E Lavdas**, N Boci , L Sarantaenna , A Godevenos , I Ntavelis , T Theodoropoulos, G Zaimis, P Mavroidis Investigating the Impact of the Amount of Contrast Material Used in Abdominal CT Examinations Regarding the Diagnosis of Appendicolith  
no image available. AAPM. 2016 JUL 31 AUG 4

**E Lavdas**, , Giankou E, Tsirikika A, Kapsalaki E, Batsikas G, Kostopoulos S, Glotsos D, Ninos K, Georgountzos V, Kavouras D. Brain imaging: comparison of T1 FLAIR BLADE with conventional T1 SE. ECR 2017.

B. Gaizer, K. Vassiou, E. Lavdas, D. Arvanitis, I. Fezoulidis, D. Glotsos. Comparative Analysis of Methods for Extracting Vessel Network on Breast MRI Images. BIOMEPE 2017 - Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences

A. Anastasiou, C. Michail, V. Koukou, N. Martini, A. Bakas, F. Papastamati, P. Maragkaki, L. Lavdas, G. Fountos, I. Valais N. Kalyvas. Examining the Spatial Frequency Components of a Digital Dental Detector. BIOMEPE 2017 - Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences

Ελευθέριος Λαβδάς. **Τεχνικά Σφάλματα και τρόποι ελαχιστοποίησης τους..** . 4<sup>ο</sup> Κυπριακό-Ελληνικό Συνέδριο Ακτινολογίας. Απρίλιος 2017 Κύπρος.

- **6 papers in Greek lingual journals**
- **89 abstracts in Hellenic Congresses of Radiographers and Radiologists**
- **12 times invited lecturer in Hellenic Congresses of Radiographers and Radiologists**