



Βιογραφικό Σημείωμα

Κική Θεοδώρου

Αναπληρώτρια Καθηγήτρια Ιατρικής Φυσικής

Τμήμα Ιατρικής

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Προσωπικές Πληροφορίες

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Παρούσα Θέση

1. Αναπληρώτρια Καθηγήτρια Ιατρικής Φυσικής - Πληροφορικής, Τμήμα Ιατρικής, Παν/μιο Θεσσαλίας
2. Research Associate of the Medical Physics Department, Karolinska Institute, Stockholm, Sweden

Πτυχία

1. Πτυχίο Φυσικής, 1994. Τμήμα Φυσικής, Παν/μιο Πατρών
2. MSc in Medical Physics, 1996. Medical Physics Department, Medical School, University of Patras, Patras, Hellas.
3. Ph.D. in Medical Physics, 1999. Medical Physics Department, Medical School, University of Patras, Patras, Hellas
4. PostDoc, Medical Physics Department, Karolinska Institute, Sweden (1999-2001)

Υποτροφίες

1. Swedish Cancer Institute (1998-2000)
2. ESTRO (June 1998)
3. Bodosakis Foundation (1996-2000)
4. YPER grant (Oriented Research grant – General Secretariat of Research and Technology)
5. 1998 - 2001
6. Marie Curie Research Grant, European Community (1998 – 2001)
7. Educational Exchange Program, Ministry of Education (November, 1998)

Επαγγελματικές Άδειες

1. Άδεια ασκήσεως επαγγέλματος Φυσικού Νοσοκομείου - Ακτινοφυσικού Ιατρικής (εκδόθηκε από το Υπουργείο Υγείας της Ελλάδος αρ. απόφ. 20.839 την 30.06.1999)
2. 2. Άδεια ασκήσεως επαγγέλματος Φυσικού Νοσοκομείου εκτός της Περιοχής των Ιονιζουσών Ακτινοβολιών.

Ενεργό Μέλος Επιστημονικών Εταιριών

1. Hellenic Association of Medical Physics (H.A.M.P.)
2. Balkan Union of Oncology (B.U.ON.)
3. Balkan School of Oncology (B.S.O.)
4. European Society for Therapeutic Radiology and Oncology (ESTRO)
5. Hellenic Society of Radiotherapeutic Oncology (H.S.R.O.)
6. Hellenic Association of Physicists (H.A.P.)

Προσωπικές Διακρίσεις

1. Chair of the 8th European Conference on Medical Physics (2014)
2. Jack Fowler Award (2005)
3. International Atomic Energy Agency – IAEA (Wien), Certified Scientific Expert
4. Associate Editor to the *Medical Physics Journal*
5. Referee to the following Scientific Journals
 - i. Medical Physics
 - ii. Radiotherapy and Oncology
 - iii. Scientific World Journal
 - iv. American Journal of Clinical Oncology
 - v. Journal of Advance Medical Research
6. Member of the Scientific Committee in 2 ESTRO Conferences
7. Board Member of the Hellenic Association of Medical Physicists (2010 – today)
8. Elected Member of the General Assembly of the Medical School, University of Thessaly (2002 - today)
9. Chair of the Organizing Committee of International Conference on Medical Physics (1999)
10. Chairman, Scientific or Organizing Committee Member, Invited Speaker in EFOMP, ESTRO, BUON, SFPH and other European or International Conferences

Εθνικά και Διεθνή Χρηματοδοτούμενα Ερευνητικά Προγράμματα

1. Bilateral Cooperation Projects (Coordinator) with: France, Germany, Sweden, Romania, China, Russia, Georgia, USA, Albania
2. Education in Radiophysics, Balkan Countries cooperation (Coordinator)
3. BIOMED I project "Dynamic Radiotherapy (DYNARAD)", 32 Institutions / Hospitals in Europe (Deputy Coordinator)
4. Computerised Radioprotection, Hellenic Ministry of Health (Coordinator)
5. Stereotactic Radiotherapy and Radiosurgery, Bodosakis Foundation (Coordinator)

6. "EC-Network – EQUAL", Europe Against Cancer Program (National Delegate)
7. 11 National Research Projects funded by the Greek Secretariat of Research and Technology (G.S.R.T.)

Total Research Funds from European and National programs: 1.7 MEuros

Διεθνείς Ενεργές Ερευνητικές Συνεργασίες

1. Medical Physics Department, Institute CURIE, Paris, France
2. Medical Physics Department, Medical School, Harvard University
3. Faculté de Médecine - Hôpital Tenon - Département de Radiothérapie, Paris, France
5. Karolinska Institutet, Stockholms Universiteit, Medicinsk Stralningsfysik, Stockholm, Sweden
6. Lehrstuhl und Abteilung für Medizinische Physik Radiologische Universitätsklinik, Tübingen, Germany
8. The Royal Marsden NHS Trust, Institute of Cancer Research, Joint Department of Physics.
10. Emory University and Hospital, Dept. of Radiation Oncology, Atlanta
11. University of Offenbach, Dept. of Radiation Physics, University Hospital

Scientific Expert Missions

1. Tirana, Albania (United Nations - International Atomic Energy Agency – IAEA, Wien). 2002
2. Ocean Road Cancer Institute, Dar Es Salaam, Tanzania (United Nations - International Atomic Energy Agency – IAEA, Wien) March 2004
3. Antananarivo General Hospital, Madagascar (United Nations - International Atomic Energy Agency – IAEA, Wien) January 2005
4. Ahmadu Bello University, Teaching Hospital, Zaria, Nigeria (United Nations - International Atomic Energy Agency – IAEA, Wien) November 2005
5. SRI SATHYA SAI INSTITUTE OF HIGHER MEDICAL SCIENCES, Bangalore, India Feb. 2006
6. National Center of Oncology, Baku, Azerbaijan (United Nations - International Atomic Energy Agency – IAEA, Wien) Nov. 2006
7. Bugado Medical Center, Mwanza, Tanzania, (United Nations - International Atomic Energy Agency – IAEA, Wien) November 2016
8. Ocean Road Cancer Institute, Dar Es Salaam, Tanzania (United Nations - International Atomic Energy Agency – IAEA, Wien) June 2017
9. Ocean Road Cancer Institute, Dar Es Salaam, Tanzania (United Nations - International Atomic Energy Agency – IAEA, Wien) June 2018

Κλινική και Επαγγελματική Εμπειρία

1. Medical Physics Department, University Hospital of Larissa (2001 – today)
2. Medical Physics Department, University Hospital of Patras (1996 – 2001)

3. European Institute of Oncology, Milan, Italy (1.9.2014 – 31-10-2014)
4. Institut CURIE, Service de Physique Medicale, Paris (1.8.1996 έως 20.12.1996)
5. Royal Free Hospital, London (December, 1997)
6. Karolinska Institute, Medical Radiation Physics Department. (1997 έως 2001)
7. General Electric Medical Systems, Buc, France (1995).

Ακαδημαϊκή Δραστηριότητα – Εκπαίδευση

1. Προπτυχιακά μαθήματα στην Ιατρική Φυσική, στην Ακτινοπροστασία και στην Ιατρική Πληροφορική (Τμήμα Ιατρικής ΠΘ, Τμήμα Κτηνιατρικής ΠΘ, Τμήμα Φυσικής ΑΠΘ, Τμήμα Ιατρικής Παν/μιο Πατρών)
2. European Course on Medical Physics and Biomedical Engineering (ECMPBE), postgraduate courses in Radiotherapy Physics (University of Patras, 1996 - today)
3. Μαθήματα Ιατρικής Φυσικής και Ακτινοπροστασίας σε ειδικευόμενους ιατρούς διαφόρων ειδικοτήτων και προσωπικό του Νοσοκομείου (Παν/κό Νοσοκομείο Πατρών 1996-2000 and ΠΓΝ Λάρισας, 2001- today)

Ακαδημαϊκή Δραστηριότητα – Επίβλεψη Διπλωματικών και Διδακτορικών Διατριβών

1. Ενεργός Διδακτορικός Κύκλος Σπουδών στην Ιατρική Φυσική
2. 25 Διδακτορικές Διατριβές
3. Ανω των 50 Μεταπτυχιακών Διπλωματικών Εργασιών

Ακαδημαϊκή Δραστηριότητα – Κύριοι τομείς ερευνητικής δραστηριότητας

1. Στερεοτακτική Ακτινοθεραπεία – Ακτινοχειρουργική
2. Ανάπτυξη αλγορίθμων Συστημάτων Σχεδιασμού Ακτινοθεραπείας
3. Δοσιμετρία
4. Υπολογιστικά Συστήματα ακτινοθεραπείας
5. Μέθοδος Monte Carlo στην ακτινοθεραπεία
6. Ακτινοπροστασία
7. Ακτινοβιολογία
8. Απεικόνιση μαγνητικού συσπτονισμού υψηλού πεδίου – ποσοτικό MR – Μαγνητική φασματοσκοπία.

Ερευνητική Δραστηριότητα (Συνοπτικός Πίνακας)

Δημοσιεύσεις σε Διεθνή Επιστημονικά Περιοδικά με σύστημα κριτών	99
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Προσκεκλημένες Ομιλίες	71
Δημοσιεύσεις σε πρακτικά διεθνών συνεδρίων με σύστημα κριτών	105
Συνολικός Αριθμός Ετεροαναφορών (Google Scholar/Scopus 2015)	1391
h-index	23
i10-index	47

Λίστα Δημοσιεύσεων σε Διεθνή Επιστημονικά Περιοδικά με Σύστημα Κριτών

1. A Vamvakas, SC Williams, K Theodorou, E Kapsalaki, K Fountas, C Kappas, K Vassiou, I Tsougos. Imaging biomarker analysis of advanced multiparametric MRI for glioma grading (2019). European Journal of Medical Physics, Vol. 60, pp. 188-198
2. A Sulieman, B Elhag, M Alkhorayef, E Babikir, K Theodorou, C Kappas, D Bradley. Estimation of effective dose and radiation risk in pediatric barium studies procedures (2018). Applied Radiation and Isotopes, Vol. 138, pp. 40-44
3. E Vagena, P Katsaras, K Theodorou, S Stoulos. Ambient Dose Equivalent Received At 15 Mv Linac Environments Due To Photoneutrons Contamination (2018). Radiation protection dosimetry, Vol 182 (4), pp. 472-479
4. E Vagena, K Theodorou, S Stoulos. Thick-foils activation technique for neutron spectrum unfolding with the MINUIT routine—Comparison with GEANT4 simulations. (2018). Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Vol. 887, pp. 64-69
5. A Sulieman, B Elhag, M Alkhorayef, E Babikir, K Theodorou, C Kappas, D Bradley. Estimation of effective dose and radiation risk in pediatric barium studies procedures. (2017). Applied Radiation and Isotopes
6. Tsitsia V, Svolou P, Kapsalaki E, Theodorou K, Vassiou K, Valotassiou V, Georgoulas P, Fezoulidis I, Tsougos I. Multimodality-multiparametric brain tumors evaluation. (2017). Hellenic Journal of Nuclear Medicine, Vol. 20(1), pp. 57-61]
7. L. Velentza, M. Tolia, C. Christakou, M. Nikolaou, I. Zerdes, N. Tsoukalas, J. Hajjiioannou, K. Tsanadis, G. Rigas, M. Mitsis, K. Theodorou, K. Pistevou-Gombaki, P. Tsekeris, G. Kyrgias. Addressing the post-

- irradiation hypothalamic-pituitary endocrine abnormalities of brain tumors in pediatric patients. (2017). *Journal of BUON*, Vol. 22(5), pp. 1240-1245
8. A. Sulieman, E. Babikir, N. Alrihaima, M. Alkhorayef, A Dalton, D Bradley, K Theodorou. Radiation exposure in pediatric patients during micturating cystourethrography procedures. (2016). *Applied Radiation and Isotopes*, Vol. 117, pp. 36-41
 9. V. Kouloulias, E. Mosa, A. Zygianni, E. Kypraiou, J. Georgakopoulos, K. Platoni, C. Antypas, G. Kyrgias, M. Tolia, C. Papadimitriou, A. Psyrris, G. Patatoukas, M. Dilvoi, C. Armpilia, K. Theodorou, M-A Kalogeridi, I. Beli, J. Kouvaris, N. Kelekis. A Retrospective Analysis of Toxicity and Efficacy for 2 Hypofractionated Irradiation Schedules Versus a Conventional One for Post-Mastectomy Adjuvant Radiotherapy in Breast Cancer. (2016). *Breast Care*, Vol. 11(5), pp. 328-332
 10. G Gourzoulidis, E Karabetsos, N Skamnakis, A Xrtistodoulou, C Kappas, K Theodorou, I Tsougos, TG Maris. Occupational electromagnetic fields exposure in magnetic resonance imaging systems– Preliminary results for the RF harmonic content. (2015). *Physica Medica: European Journal of Medical Physics*, Vol. 31(7), pp. 757-762
 11. G. Kyrgias, A. Zygianni, K. Theodorou, M. Koukourakis, A. Oikonomou, John Kouvaris, V. Kouloulias. Accelerated hypofractionated whole-breast irradiation with concomitant daily boost in early breast cancer. (2015). *American journal of clinical oncology*, Vol. 38(4), pp. 358-363
 12. E. Tsolaki, P. Svolos, E. Kousi, E. Kapsalaki, I. Fezoulidis, K. Fountas, K. Theodorou, C. Kappas, I. Tsougos. Fast spectroscopic multiple analysis (FASMA) for brain tumor classification: a clinical decision support system utilizing multi-parametric 3T MR data. (2015). *International journal of computer assisted radiology and surgery*, Vol. 10(7), pp. 1149-1166
 13. G. Dafoulas, A. Mavrodi, C. Giannakakos, P. Gkiata, K. Theodorou, V. Aletras, P. Stafylas, G. Koukoulis, A. Bargiota. Long-term tele-monitoring of patients with type 2 diabetes mellitus: ancillary analysis of the results of the Greek pilot of the renewing health multicentre randomised control trial. (2015). *BioScientifica*, Vol. 37
 14. A Sulieman, H Barakat, A Zailae, A Abuderman, K Theodorou. Measurement of patient radiation doses in certain urography procedures. (2015). *Radiation protection dosimetry*, Vol. 165 (1-4), pp. 397-401
 15. G Gourzoulidis, E Karabetsos, N Skamnakis, C Kappas, K Theodorou, I Tsougos, TG Maris. The electromagnetic environment of Magnetic Resonance Imaging systems. Occupational exposure assessment reveals RF harmonics. (2015). *Journal of Physics: Conference Series*, 637 (1).
 16. I Tsougos, S Alexiou, K Theodorou, V Valotassiou, P Georgoulis. The prevalence of a false-positive myocardial perfusion stress SPET test in a skinny patient, induced by projection truncation. (2015). *Hellenic Journal of Nuclear Medicine*
 17. M-A. Kalogeridi, G. Kyrgias, A. Zygianni, J. Kouvaris, K. Theodorou, N. Kelekis, V. Kouloulias. Challenges and Choices in Prostate Cancer Irradiation: From the Three Dimensional Conformal

- Radiotherapy to the Era of Intensity Modulated, Image-Guided and Adaptive Radiation Treatment. (2014) *Urology Journal*, V 11 (6), pp. 1925-1931
18. G. Dafoulas, A. Mavrodi, A. Bargiota, H. Giannakakos, P. Stafylas, P. Gkiata, P. Pechlivangolou, K. Theodorou, Georgios Koukoulis, V. Aletras. Cost utility analysis of long-term telemonitoring of patients with DMT2: Results of the Greek pilot of the renewing health multicenter pragmatic randomized trial. (2014). *International Journal of Integrated Care*, V 14 (8) pp. 10-12
 19. E. Tsolaki, P. Svolos, E. Kousi, E. Kapsalaki, I. Fezoulidis, K. Fountas, K. Theodorou, C. Kappas, I. Tsougos. Automated differentiation of glioblastomas from intracranial metastases using 3T MR spectroscopic and perfusion data. (2014). *International Journal of Computer Assisted Radiology and Surgery*, pp. 1-18
 20. P. Svolos, E. Kousi, E. Kapsalaki, K. Theodorou, I. Fezoulidis, C. Kappas, I. Tsougos. The role of diffusion and perfusion weighted imaging in the differential diagnosis of cerebral tumors: a review and future perspectives. (2014). *Cancer Imaging*, V 14 (1), pp. 14:20
 21. E. Tsolaki, E. Kousi, P. Svolos, E. Kapsalaki, K. Theodorou, C. Kappas, I. Tsougos. Clinical decision support systems for brain tumor characterization using advanced magnetic resonance imaging techniques. (2014). *World Journal of Radiology*, V 6 (4), pp 72-81
 22. P Tsiamas, E Sajo, F Cifter, K Theodorou, C Kappas, M Makrigiorgos, K Marcus, P Zygmanski. Beam quality and dose perturbation of 6 MV flattening-filter-free linac. (2014). *European Journal of Medical Physics*, V30 (1), pp. 47-56
 23. Tsougos I, Svolos P, Kousi E, Athanassiou E, Theodorou K, Arvanitis D, Fezoulidis I, Vassiou K. The contribution of diffusion tensor imaging and magnetic resonance spectroscopy for the differentiation of breast lesions at 3T. (2014) *Acta Radiologica*, V55(1), pp. 14-23
 24. Svolos P, Tsolaki E, Kapsalaki E, Theodorou K, Fountas K, Fezoulidis I, Tsougos I. Investigating brain tumor differentiation with diffusion and perfusion metrics at 3T MRI using pattern recognition techniques. (2013) *Magnetic resonance imaging*, V. 31, Issue 9, pp 1567-1577
 25. Khalid Alzimami, Abdelmoneim Sulieman, Georgios Paroutoglou, Spiros Potamianos, Marianna Vlychou, Kiki Theodorou. Optimisation of radiation exposure to gastroenterologists and patients during therapeutic ERCP. (2013). *Gastroenterology Research and Practice*, V 2013, pp. 1-7
 26. Svolos P, Tsolaki E, Theodorou K, Fountas K, Kapsalaki E, Fezoulidis I, Tsougos I. Classification methods for the differentiation of atypical meningiomas using diffusion and perfusion techniques at 3-T MRI. (2013) *Clinical imaging*, V. 37, Issue 5, pp 856-864
 27. Zygogianni A, Kouloulis V, Kyrgias G, Armpilia C, Antypas C, Theodorou K, Kouvaris J. Comparison of Two Radiotherapeutic Hypofractionated Schedules in the Application of Tumor Bed Boost. (2013) *Clinical breast cancer*. Volume 13, Issue 4, Pages 292–298

28. Vassiou K, Tsougos I, Kousi E, Vlychou M, Athanasiou E, Theodorou K, Arvanitis D, Fezoulidis I. Application value of 3T 1H-magnetic resonance spectroscopy in diagnosing breast tumors.(2013) *Acta Radiologica*. V. 54, Issue 4, pp 380-388
29. P. Tsiamas, B L, F Cifter, W. Ngwa, R. Berbeco, C. Kappas, K. Theodorou, K Marcus, M. Makrigiorgos, E. Sajo, P. Zygmanski. Impact of beam quality on megavoltage radiotherapy treatment techniques utilizing gold nanoparticles for dose enhancement. (2013) V. 58, Issue 3, pp 451
30. G Kyrgias, E Kostopoulou, E Zafiriou, A Zygoianni, J Skarlatos, AV Roussaki-Schulze, K Theodorou. Hidradenocarcinoma of the temporal area successfully treated with concomitant electrochemotherapy and radiotherapy. (2013) *Head Neck*, V. 5, Issue 2, pp 14
31. Tsolaki E, Svolos P, Kousi E, Kapsalaki E, Fountas K, Theodorou K, Tsougos I. Automated differentiation of glioblastomas from intracranial metastases using 3T MR spectroscopic and perfusion data. (2013) Springer-Verlag, pp. 1-11
32. G. Kyrgias, A. Zygoianni, K. Theodorou, M. Koukourakis, A. Oikonomou, J. Kouvaris, V. Kouloulis. Accelerated Hypofractionated Whole-Breast Irradiation With Concomitant Daily Boost in Early Breast Cancer. (2013). *American journal of clinical oncology*.
33. A Zygoianni, G Kyrgias, J Kouvaris, C Antypas, K Theodorou, S Papageorgiou, G Zacharogianni, V Kouloulis. Re-irradiation in head and neck cases using IMRT technique: a retrospective study with toxicity and survival report. (2012) *Head Neck Oncol*, V. 4, pp78
34. I Tsougos, P Svolos, E Kousi, K Fountas, K Theodorou, I Fezoulidis, E Kapsalaki. Differentiation of glioblastoma multiforme from metastatic brain tumor using proton magnetic resonance spectroscopy, diffusion and perfusion metrics at 3 T. (2012) *Cancer Imaging*, V 12, pp. 413
35. E Kousi, I Tsougos, K Fountas, K Theodorou, E Tsolaki, I Fezoulidis, E Kapsalaki. Distinct peak at 3.8 ppm observed by 3T MR spectroscopy in meningiomas, while nearly absent in high-grade gliomas and cerebral metastases. (2012) *Molecular medicine reports*, V. 5, Issue 4, pp. 1011
36. P Tsiamas, E Sajo, F Cifter, K Theodorou, K Kappas, M Makrigiorgos, K Marcus, P Zygmanski. Optimal Clinical Megavoltage X-Ray Beam Quality for Contrast Enhanced RT (CERT). (2012) *Medical physics* V. 39, Issue 6, pp. 3710
37. G. Kyrgias, K. Theodorou, A. Zygoianni, K. Tsanadis, S. Zervoudis, M. Koukourakis, Tzitzikas M. Radiotherapy of early breast cancer in scleroderma patients: our experience with four cases and a short review of the literature. (2012) *Breast Cancer*, V. 4, pp. 3-8
38. A Zygoianni, G Kyrgias, J Kouvaris, E Alexopoulou, S Zefkili, K Theodorou, G Capezzali, A Mazioti, Y Kirova, C Antypas, C Armpilia, E Efstathopoulos, N Kelekis, V Kouloulis. A radiological and radiotherapeutic approach for paediatric tumours in the head and neck area. (2012) *Head & neck oncology*, V. 5, Issue 2, pp. 18

39. E. Tsolaki, E. Kousi, E. Kapsalaki, I. Dimou, K. Theodorou, G. Manikis, C. Kappas, I. Tsougos. A Statistical Diagnostic Decision Support Tool Using Magnetic Resonance Spectroscopy Data. (2012) *Data Mining for Biomarker Discovery* 117-142
40. E. Kapsalaki, P. Svolos, I. Tsougos, K. Theodorou, I. Fezoulidis, K. Fountas. Quantification of Normal CSF Flow Through the Aqueduct Using PC-Cine MRI at 3T. (2012) *Hydrocephalus*, pp 39-42
41. E. Kousi, I. Tsougos, E. Tsolaki, KN Fountas, K. Theodorou, I. Fezoulidis, E. Kapsalaki, C. Kappas. Spectroscopic Evaluation of Glioma Grading at 3T: The Combined Role of Short and Long TE (2012) *The Scientific World Journal*, V 2012
42. H. Omer, T. Kilindir, C. Kappas, K. Theodorou, A. Suleiman. Evaluation of Single-Field Electron Beams for Postmastectomy Radiotherapy. (2012). *Journal of Analytical Oncology*, V 1 (2), pp. 175-180
43. E. Kousi, I. Tsougos, K. Vasiou, K. Theodorou, A. Poultisidi, I. Fezoulidis, C. Kappas. Magnetic Resonance Spectroscopy of the Breast at 3T: Pre-and Post-Contrast Evaluation for Breast Lesion Characterization. (2012) *The Scientific World Journal*
44. A. Sulieman, M. Vlychou, I. Tsougos, C. Kappas, K. Theodorou. Radiation doses to patients undergoing enteroclysis. (2011) *Radiation protection dosimetry*, V 147, Issue 1-2, pp 122-125
45. A. Sulieman, M. Elzaki, C. Kappas, K. Theodorou. Radiation dose measurement in gastrointestinal studies. (2011) *Radiation protection dosimetry*, V 147, Issue 1-2, pp 118-121
46. A. Sulieman, M. Vlychou, I. Tsougos, K. Theodorou. Radiation doses to paediatric patients and comforters undergoing chest X rays. (2011) *Radiation protection dosimetry*, V 147, Issue 1-2, pp 171-175
47. I. Dimou, I. Tsougos, E. Tsolaki, E. Kousi, E. Kapsalaki, K. Theodorou, M. Kounelakis, M. Zervakis. Brain lesion classification using 3T MRS spectra and paired SVM kernels. (2011) *Biomedical Signal Processing and Control*, V 6, Issue 3, pp 314-320
48. MM Kounelakis, IN Dimou, MM Zervakis, II Tsougos, EE Tsolaki, E Kousi, EE Kapsalaki, KK Theodorou. Strengths and Weaknesses of 1.5 T and 3T MRS Data in Brain Glioma Classification (2011) *Information Technology in Biomedicine, IEEE Transactions*, V 15, Issue 4, pp 647-654
49. P. Tsiamas, J. Seco, Z. Han, M. Bhagwat, J. Maddox, C. Kappas, K. Theodorou, M. Makrigrigios, K. Marcus, P. Zygmanski. A modification of flattening filter free linac for IMRT. (2011) *Medical physics*, V 38, pp. 2342
50. P. Tsiamas, J. Seco, Z. Han, M. Bhagwat, J. Maddox, C. Kappas, K. Theodorou, M. Makrigrigios, K. Marcus, P. Zygmanski. A modification of flattening filter free linac for IMRT (2011) *Medical physics*, V 38, pp 2342
51. P. Svolos, I. Tsougos, G. Kyrgias, C. Kappas, K. Theodorou. On the use of published radiobiological parameters and the evaluation of NTCP models regarding lung pneumonitis in clinical breast radiotherapy. (2011) *Australasian Physical & Engineering Science in Medicine*, V 34, Issue 1, pp 69-81

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53. A. Sulieman, G. Paroutoglou, A. Kapsoritakis, A. Kapatenakis, S. Potamianos, M. Vlychou, K. Theodorou. Reduction of radiation doses to patients and staff during endoscopic retrograde cholangiopancreatography. (2011) *Saudi journal of gastroenterology: official journal of the Saudi Gastroenterology Association*, V 17, Issue 1, pp 23
54. E. Kapsalaki, I. Tsougos, K. Theodorou, K. Fountas. Proton Magnetic Resonance Spectroscopy in Intracranial Gliomas. (2011) *Tumors of the Central Nervous System*, Volume 1, pp. 67-79
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