

Short CV

Antonios Papadakis has been a medical physics expert with the Medical Physics Department of the University Hospital of Heraklion, Crete, Greece, since 2004. He received the PhD degree in medical physics from the University of Patras, Greece, in 2003. From 2003 to 2004 he had been a research fellow with the Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA. From 2004 to 2011 he had been a scientific collaborator with the Department of Computers and Multimedia, Technological Educational Institute of Crete (T.E.I.), Heraklion, Crete, Greece. He has participated as a research investigator in several European and national research projects (PYTHGORAS II, Oncology-Funded by Greek Ministry of Health, CONCERT-ARISTEIA, EUTEMPE-RX, MEDIRAD). He has been a member of the assessment committee of medical imaging laboratories with the Hellenic Accreditation System (E.SY.D.) since 2015. He has been a member of the Hellenic Association of medical physicists (HAMP) and European Society of Radiology (ESR) since 2006. He has been establishing quality assurance program in the radiology department of the University Hospital of Heraklion, Crete, Greece. He participates in the education and training in radiation protection for health professionals who are involved in medical imaging procedures that utilize ionizing radiation. He has given more than 40 presentations and posters in national and international conferences. He has published more than 50 articles in peer-reviewed scientific journals and conference proceedings. He has been a reviewer in several medical physics and radiology related scientific journals such as Medical Physics, European Radiology, Investigative radiology and European Journal of Medical Physics. His main research activity is focused in the assessment of new methods for radiation dose reduction in pediatric and adult computed tomography examinations, the development of new examination protocols for dual energy computed tomography, and the development of new three dimensional dosimetric methods for quality assurance in radiotherapy and diagnostic radiology.