

# Short Curriculum Vitae

JOHN DAMILAKIS, MSc, PhD, FIOMP, FIUPESM

Professor of Medical Physics

Certified Clinical Medical Physicist

Medical Physics Expert

Radiation Protection Expert

## 1. Academic qualifications

John Damilakis received a B.Sc. in Physics (1981) from the University of Thessaloniki, Greece, an M.Sc. in Medical Physics from the University of Surrey, UK and a Ph.D. from the School of Medicine, University of Crete, Greece.

## 2. Current employment

- a. Professor and Chairman, Department of Medical Physics, Faculty of Medicine, University of Crete
- b. Head of the Medical Physics Department, University Hospital of Iraklion, Crete, Greece
- c. Chairman of the Division of Radiology, University of Crete, (Diagnostic and Interventional Radiology, Medical Physics, Nuclear Medicine, Radiation Oncology), University of Crete for 3 academic years (2015-2016, 2016-2017, 2021-2022).

## 3. Most important positions in international organizations

- a. Vice President and President-elect of the International Organization for Medical Physics (IOMP)
- b. Member of the International Commission on Radiological Protection (ICRP) Committee 3 (Medicine)
- c. Past President of the European Federation of Organizations for Medical Physics (EFOMP) (2015-2017)
- d. Immediate Past President of the European Alliance for Medical Radiation Protection Research (EURAMED) (2017-2019)
- e. Member of the Steering Committee of the EuroSafe Imaging Campaign, European Society of Radiology
- f. The International Union of Pure and Applied Physics (IUPAP), AC-4, Chair (iupap.org)
- g. International Medical Physics Certification Board (IMPCB), Board of Directors (impcb.org)

## 4. Research interests

Main research interests: Medical dosimetry, medical radiation protection, applications of artificial intelligence in medical imaging, radiation protection and dosimetry.

### Publications

Number of publications in PubMed: 235, citations: 7678, h-index 47 (Google Scholar).

#### *Books:*

1. J. Damilakis (Editor and author), Pregnancy and diagnostic X-rays. In: J. Damilakis (editor) Radiation Protection. ECR Syllabus, European Excellence in Education, Springer-Verlag Berlin Heidelberg 2004, p. 33-39
2. Adams, Z. Mughal, J. Damilakis, A. Offiah. Chapter 12 'Radiology' p. 277-307, in 'Pediatric Bone', 2nd edition, Academic Press, 2012
3. J. Damilakis, G. Solomou. Chapter 'Radiation Protection and Quality Assurance in Bone Densitometry' p. 179-195 in 'Osteoporosis and Bone Densitometry measurements', Springer, 2013
4. J. Damilakis (on behalf of MEDRAPET project), Guidelines on radiation protection education and training of medical professionals in the European Union, RP 175, Publication Office of the European

Union, Luxembourg, 2014, Radiation Protection Series Publications, available online at <https://ec.europa.eu>

5. J. Damilakis (on behalf of Pi-DRL project), European guidelines on Diagnostic Reference levels for paediatric imaging, RP 185, Publication Office of the European Union, Luxembourg, 2018, Radiation Protection Series Publications, available online at <https://ec.europa.eu>

6. J. Damilakis (Editor and author), 'Radiation dose management of pregnant patients, pregnant staff and paediatric patients in diagnostic and interventional radiology' (IOP Publishing Ltd, Bristol, UK, [iopublishing.org](http://iopublishing.org))

## 5. Recent projects

1. **SINFONIA** (Radiation risk appraisal for detrimental effects from medical exposure during management of patients with lymphoma or brain tumor), Contract with the European Commission. Project Leader
2. **EURAMED Rocc-n-Roll** (European medical application and radiation protection concept: strategic research agenda and roadmap interlinking to health and digitisation aspects). Contract with the European Commission. WP2 Leader
3. **EUCLID** (European study on clinical diagnostic reference levels for X-ray medical imaging). Contract with the European Commission. Project Leader
4. **MEDIRAD** (Implications of medical low dose radiation exposure). Contract with the European Commission. WP2 Leader
5. **CONCERT** (Conceptus radiation doses and risks from imaging with ionizing radiation) – Contract with the General Secretariat for Research and Technology, Greece. Scientific Coordinator - Principal investigator
6. **EUTEMPE-RX-** (European Training and Education for Medical Physics Experts in Radiology). Contract with the European Commission. Module 11 Leader
7. **PiDRL** (European DRLs for paediatric imaging). Contract with the European Commission. Project Leader
8. **MEDRAPET** (Medical radiation protection education and training). Contract with the European Commission. Project Leader

## 6. Other academic activities

- a. President of the 'Hellenic Association of Medical Physicists' (1998-2000)
- b. Invited Visiting Professor for lectures on radiation protection (CT, Dose management of pregnant patients), Boston University, USA
- c. Invited expert in several IAEA missions and meetings

## 7. Invited presentations

Numerous invited presentations in national and international conferences including ECR (European Congress of Radiology), RSNA (Radiological Society of North America) annual meeting, AAPM (American Association of Physicists in Medicine) annual meeting, IRPA (International Radiation Protection Association) conferences, IAEA (International Atomic Energy Agency) conferences and other scientific meetings, ICRP scientific meetings, IOMP Conferences and Congresses and EFOMP Congresses.

## 8. Awards and distinctions

- a. 'IUPESM Fellow', Online IUPESM meeting, 2020
- b. 'Felicitation Certificate', AOCMP-AMPICON 2017, Jaipur, India 2017
- c. 'IOMP Fellow', International Congress of Medical Physics, 2016, Bangkok, Thailand
- d. 'Certificate of Appreciation' from IOMP/EFOMP/MEFOMP International meeting, 2015, Qatar
- e. 'Certificate of Appreciation' from IOMP (World Congress of Medical Physics, 2015, Toronto)
- f. 'Certificate of Appreciation' from the Japan Radiological Society (74<sup>th</sup> Annual meeting of the Japan Radiological Society, 2015, Yokohama)
- g. 'Appreciation Award' from MEFOMP (International Conference of Medical Physics, 2013, Brighton, UK)
- h. 'Appreciation Award' from the Association of Medical Physicists of India' (AMPICON 2013, Kolkata)
- i. 'Excellence in Research Award' for the research performed on 'Radiation doses and risks from CT examinations', Hellenic Ministry of Education, 2012.
- j. The paper entitled "Eye-Lens Bismuth Shielding in Pediatric Head CT: Artifact Evaluation and Reduction" published in Pediatric Radiology was awarded the 'Walter E. Berdon Award' (The Society for Pediatric Radiology), 2011.