

Eleftherios P. Pappas, Ph.D.

Assistant Professor of Medical Physics – Radiation Physics
Medical Physics Laboratory, Medical School, National and Kapodistrian University of
Athens

Short Curriculum Vitae

Personal information

Name: Eleftherios
Surname: Pappas
Birthdate: December 2, 1987
Nationality: Greek
email: [elepappas\[at\]med\[dot\]uoa\[dot\]gr](mailto:elepappas[at]med[dot]uoa[dot]gr)

Current Position

07/2023 – present: Assistant Professor of Medical Physics – Radiation Physics
Medical Physics Laboratory, Medical School, National and Kapodistrian University of
Athens, Greece

Previous Positions – Professional Experience

06/2019 – 08/2023: Medical Physicist, Radiotherapy and Radiosurgery Department, “Iatropolis” private
Clinic, Greece
03/2019 – 05/2019: Medical Physicist, RTsafe P.C., Athens, Greece
11/2015 – 03/2019: Medical Physicist, RTsafe P.C., Athens, Greece
01/2013 – 06/2021: Research Associate, Medical Physics Laboratory, Medical School, National and
Kapodistrian University of Athens
09/2012 – 08/2013: Internship in Medical Physics, “Evangelismos” and “Aretaieio” Hospitals

Education & Professional Training

2022: **Radiation Protection Expert**
Recognition by the Greek Atomic Energy Commission
2022: **Medical Physics Expert**
Recognition by the Greek Atomic Energy Commission

- 2020 – 2022: **Post-Doctoral research**
 Medical Physics Laboratory, Medical School, National and Kapodistrian University of Athens
- 2013 – 2018: **PhD studies**
 Medical Physics Laboratory, Medical School, National and Kapodistrian University of Athens
- 2014: **Licensed Medical Physicist**
 License to practice Medical Physics in applications involving ionizing and non-ionizing radiation
- 2010 – 2012: **MSc in Medical Physics – Radiation Physics**
 Interuniversity-Interdepartmental Master Program in Medical Physics – Radiation Physics
- 2005 – 2010: **Physics Degree**
 Department of Physics, National and Kapodistrian University of Athens
 Direction: Nuclear and Particle Physics

Scientific Publications & Conference Presentations

- 30 scientific articles published in international peer-reviewed journals (update 01/2024)
 - Citations: 366 / 512 (sources: Scopus / Google Scholar, respectively, update 01/2024)
 - h-index: 13 / 15 (sources: Scopus / Google Scholar, respectively, update 01/2024)
 - Scopus Author Identifier: 54680536900
 - ORCID: <https://orcid.org/0000-0003-4030-2241>
- 1 book chapter (Chapter 8: “Morphological Imaging” in “CyberKnife NeuroRadiosurgery: A practical Guide”, Springer 2020, ISBN 978-3-030-50668-1)
- 59 abstracts/presentations at international conferences after peer review (update 01/2024)
- 8 abstracts/presentations national conferences after peer review (update 01/2024)
- 3 invited lectures at scientific meetings

Memberships & Reviewing Activities

- Member of the following national or international organizations: HAMP, EFOMP, ESTRO, ISRS
- Associate Editor of Journal of Applied Clinical Medical Physics (JACMP). Member of AAPM’s JACMP Board of Associate Editors
- Reviewer of articles submitted to several scientific journals, indicatively: Medical Physics, Journal of Applied Clinical Medical Physics, Physics in Medicine and Biology, Physica Medica: EJMP, Radiological Physics & Technology

Distinctions & Awards

- “*Reviewer of the Year 2022*” award with honorary cash prize for the reviewing activities for the Radiological Physics and Technology journal (2023)

- “*Outstanding Reviewer*” award in IOP Outstanding Reviewer Awards 2022 for the reviewing activities for the Physics in Medicine and Biology journal (2023)
- The conference presentation by Margaroni et al “*Determination of the dead volume effect in ionization chambers using the finite element method and its impact on MR-Linac dosimetric calculations*” received the 1st prize for e-posters by the awards committee of the 1st Panhellenic Congress of Medical Physics, September 23 – 25, 2022, Athens, Greece (2022)
- “*Reviewer of the Year 2021*” award in IOP Outstanding Reviewer Awards 2021 for the reviewing for the Physics in Medicine and Biology journal (2021)
- “*Outstanding Reviewer*” award in IOP Outstanding Reviewer Awards 2021 for reviewing for the Physics in Medicine and Biology journal (2021)
- The paper by Prentou et al, “*Dosimetric impact of rotational errors on the quality of VMAT-SRS for multiple brain metastases: Comparison between single- and two-isocenter treatment planning techniques*”, received the “Top Cited Article 2020-2021” award in the Journal of Applied Clinical Medical Physics (2021)
- Received the “*Proukaki*” award with honorary cash prize during MSc studies in Medical Physics – Radiation Physics (2011)

Scholarships

- Scholarship for Post-Doctoral research through the Operational Programme “*Human Resources Development, Education and Life-long Learning*” of the National Strategic Reference Framework (NSRF) 2014-2020
- Scholarship from the State Scholarships foundation (IKY) of Greece for PhD studies through the programme “*Research Projects for Excellence IKY/SIEMENS*”

Participation in funded research projects in the field of Medical Physics – Radiation Physics

- “*Assessment of spatial uncertainties in target determination related to Magnetic Resonance Imaging and their impact on stereotactic radiotherapy treatment planning in multiple brain metastases cases*”. Source: National Strategic Reference Framework (NSRF) 2014-2020 Operational Programme “Human Resources Development, Education and Life-long Learning”. Start: 4/2020. End: 6/2021
- “*Independent verification of the dose calculation algorithms implemented in the GammaPlan Treatment Planning System*”. Source: ELEKTA Instrument AB, Sweden. Start: 2018. End: 2019
- “*Development of advanced quality assurance and optimization tools for stereotactic radiosurgery-radiotherapy applications*”. Source: State Scholarships Foundation (IKY) of Greece through the program “Research Projects for Excellence IKY/SIEMENS”. Start: 09/2015. End: 09/2017.
- “*Development of phantoms and methods for the assessment and correction of geometric distortion in MRI images used for radiotherapy applications*”, Source: Intramural Research Fund, King Fahad Medical City. Start: 10/2015. End: 10/2016.
- “*Prospective evaluation and end-user oriented tools to guide the brachytherapy community through a smooth transition to model based, individualized treatment planning dosimetry*”. Source: Research Funding Program: Aristeia, co-financed by the European Social Fund–ESF and Greek national funds through an Operational Program of the National Strategic Reference Framework-NSRF. Start: 09/2012. End: 09/2015
- «*Ανάπτυξη μεθόδων τρισδιάστατης δοσιμετρίας σε σύγχρονες εφαρμογές ιοντιζουσών ακτινοβολιών στην Ιατρική*», Source: Greek National Central Council of Health. Start: 2010. End: 2012