

# Curriculum Vitae

**Christos A. Nanos**

## Personal Information

Name: Christos Nanos  
Date of birth: 23th February 1989  
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## Education

**2019-to date:** PhD candidate at Democritus University of Thrace.

**2015:** Master of Science degree of Medical Physics at University of Patra.

**2013:** Bachelor Degree of School of Physics, Faculty of sciences at Aristotle University of Thessaloniki.

## Professional experience

### **December 2017 to date, auxiliary staff**

University General Hospital of Alexandroupolis, Department of Radiotherapy

Responsibilities:

Treatment planning:

- Produce treatment plans with 2D, 3D-CRT, IMRT, VMAT and dMLC techniques.

Quality Controls:

- Perform quality tests of linear accelerator, CT-simulator, kV imaging systems.
- Absolute and relative dosimetry of linear accelerator.
- Perform periodic linear accelerator checks with the StarTrack\* Detector, IBA system.

Generally:

- Participate in performing end-to-end tests for VMAT and IMRT techniques.
- In-vitro QA patient check with the Delta4 Phantom + -ScandiDos system.

### **November 2018- to date**

Head of Radiation Protection at the Radiological Department of General Hospital Didymoteicho.

**November 2016 - October 2017, volunteer work at AHEPA University Hospital,  
Department of Radiotherapy**

**December 2015 - November 2016, Trainee program  
AHEPA University Hospital, Thessaloniki**

Department of Radiotherapy

Responsibilities:

Treatment planning:

- Produce treatment plans with 2D and 3DCRT techniques.
- Create and check VMAT and IMRT External Radiation Therapy plans for trial purposes.

Quality Controls:

- Perform quality tests of linear accelerator, CT-simulator, kV imaging systems.
- Absolute and relative dosimetry of linear accelerator.
- Perform morning control check with QC6 system.

Generally:

- Participate in performing end-to-end tests for VMAT and IMRT techniques.
- In vitro patient dosimetry (QA patient check) with 2D array system, I'mRT MatriXX.
- Participation in the renewal of the radiotherapy department license.

Department of Nuclear Medicine

Responsibilities:

- Preparation and dosimetry of radiopharmaceuticals.
- Patient dosimetry.
- Participation in the gamma camera quality controls.

Department of Radiology

Responsibilities:

- Participate in quality controls of hospital radiographic machines (classic X-ray, Computed Tomography, Magnetic Resonance Imaging, C-arm and mammogram), as well as in the processing of measurements.

**2014-2015:** Assistant in the laboratory course "Medical Physics" of the Department of Medicine, University of Thessaly.

**2011-2012:** Practical academic exercise in teaching Physics in Senior Highschool.

**2009-2016:** Tutoring students.

## License and conferences

### 2018:

- Clinical observation visit: Radiotherapy, The James Cook University Hospital. 25/6/2018-29/6/2018

### 2017:

- Professional license to work as Hospital Radiation Physicist from the Greek Ministry of Health in the area of ionizing radiation.

### 2016:

- Attendance the ESTRO Teaching Course on “PHYSICS FOR MODERN RADIOTHERAPY-JOINT COURSE FOR CLINICIANS AND PHYSICISTS”, Athens-Greece, 11-15 September, 2016.
- Professional license to work as Hospital Radiation Physicist from the Greek Ministry of Health in the area of non-ionizing radiation.

### 2015:

- Attendance the courses of continuing education of Nuclear Medicine Laboratory at the University Hospital of Larissa.
- Attendance the educational seminar "Radiation and Radiation Protection" of the Medical Physics Laboratory of the University of Thessaly.  
Member of the organizing committee of preparation and conduct of the conference "Radiation and Radiation Protection".

### 2014:

- Attendance of the 8th European Conference of Medical Physics.
- Attendance of scientific evenings with topics: "Developments in the regulatory legal framework of radiation protection: The new European Directive 59/2013/EUROTOM" and "Education of Medical Physicists in Aristotle University of Thessaloniki".

### 2012:

- Attendance of the 2nd Panhellenic Electronics and Telecommunications Conference, Aristotle University of Thessaloniki.

## Scientific activity

**2017: Poster:** «Comparative evaluation of radiation techniques in 3D-conformal radiotherapy for Breast Cancer», C. Nanos, E. Iliopoulou, A. Hatzigiannaki, P. Bousbouras, 23<sup>rd</sup> Conference of Clinical Oncology, April 2017, Athens.

**2015: MSc Thesis:** «Comparative evaluation and optimization of magnetic resonance neuroimaging sequences in field 3 Tesla».

**2013: BSc Thesis:** «Study of power consumption of microcontroller systems developed with ARDUINO platform».

## Foreign Language/ Other skills

- English (C2)
- Driving license.
- Computers: Degree of ECDL core (Basic Computer Concepts, Windows, Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft Power Point, Internet).