



Surname: Caricato  
Name: Paolo  
Date of  
birth: **16/07/1993**

## PERSONAL INFORMATION

Citizenship	<b>Italian</b>
Driving license	type B

## EDUCATION AND TRAINING

Date	2019 - 2022
Name and type of education or training institution	University of Milan Specialization School of Medical Physics
Thesis title	Comprehensive dosimetric and clinical evaluation of lexicographic optimization-based planning for cervical cancer
Supervisors	Dr. Sara Trivellato, Dr. Roberto Pellegrini
Key words	Automated planning, lexicographic optimization
Duration of the studies	2 years
Vote	70/70 cum laude
Date of graduation	10/11/2022
Achieved Qualification	<b>Medical Physicist</b>

Date	2016-2018
Name and type of education or training institution	University of Milan Department of Science and Technology: LM-17- Master degree in Physics
Thesis title	Implementation and study of a new dose calculation model in oncological brachytherapy
Supervisors	Dr. Mauro Carrara, Prof. Alessandro Lascialfari, Dr. Tommaso Giandini
Duration of the studies	2 years
Vote	110/110
Date of graduation	28/09/2018
Achieved Qualification	<b>Master's Degree in Physics</b>

Date	2012-2016
Name and type of education or training institution	University of Salento Department of Mathematics and Physics: L-30 Physical Sciences and Technologies Degree
Thesis title	Characterization of the linear accelerator "VERSA HD"
Supervisors	Dr. Anna Paola Caricato, Dr. Caterina Capomolla
Duration of the studies	3 years

Vote	106/110
Date of graduation	26/02/2016
Achieved Qualification	<b>Bachelor's degree in physics</b>

Data (da – a)	2007-2012
Name and type of education or training institution	Scientific diploma Liceo Scientifico 'Banzi' - Lecce
Vote	100/100

## WORK EXPERIENCE

Date	January 2023 - Present
	Medical Physicist at UOC Fisica Sanitaria of the Istituto Oncologico Veneto IOV-IRCCS with main duties in the Radiotherapy field
Date	February 2019 – November 2019
	Internship for Qualified Expert at the Complex Structure of Health Physics of ASST Monza
Date	January 2019 – November 2022
	Participation in the activities related to Medical Physics at the Complex Structure of Health Physics of ASST Monza, in particular in the planning of radiant treatments through the dedicated systems Masterplan (Elekta) and Monaco (Elekta), routine controls/measurements of VersaHD and Synergy (Elekta) linear accelerators, routine controls/measurements of nuclear medicine equipment, PET/CT Discovery MI (GE Healthcare) and Discovery IQ (GE Healthcare) and in SPECT/CT NM/CT 870 (GE Healthcare) acceptance measures and related research projects. Implementation of automatic radiant treatment planning systems
Date	June 2018
	School-work Tutor at IIS Curie Sraffa, Milan
Date	March - September 2018
	ACE implementation at the Health Physics department of the IRCCS Foundation - Istituto Nazionale dei Tumori di Milano

## DIGITAL COMPETENCE

Operating systems	Windows
Coding languages	C/C++ - base
Known applications and programmes	MATLAB, Office, ImageJ

## SCIENTIFIC PUBLICATIONS AND AWARDS

Best abstract award at RSS2023	"Members in Training Research Achievement Awards" Winner for the abstract "Validation of Lexicographic optimization-Based Planning for Brain Metastasis Radiosurgery with Coplanar Arcs" at '2023 RadioSurgery Society Scientific Meeting' (Orlando, March 23-25, 2023)
Article for Frontiers Radiation Oncology	Trivellato S. et al., "Comprehensive dosimetric and clinical evaluation of lexicographic optimization-based planning for cervical cancer", Front. Oncol. 12:1041839 (2022)
Article for Frontiers Radiation Oncology	Panizza D. et al., "Intrafraction Prostate Motion Management During Dose-Escalated Linac-Based Stereotactic Body Radiation Therapy", Front. Oncol. 12:883725, 12, (2022)
Oral presentation for ESTRO2022	P. Caricato et al., "MO-0297 "Atlas based auto-segmentation in the delineation of rectum and bladder in intrauterine brachytherapy" (2022)

Article for Medical Physics International	W. Chanta, R. Montezuma, P. Caricato, "Status of Medical Physics in Central America", MPI, <b>7(1)</b> , 17-24 (2019)
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## PERSONAL INTERESTS

Volunteering	Since 2005 animator of the Parish Oratory
Sport	Passion for team sports and in particular soccer; golf and footgolf
Other	Interest in the analysis of financial markets

## PERSONAL SKILLS AND COMPETENCES

First language: Italian	writing - good, speaking – good
Other languages: English	writing - fair, speaking - fair
Soft skills	Organizational skills 8/10 Continuous learning 8/10 Achievement 8/10 Initiative/Spirit of initiative 9/10 Problem Solving 8/10 Team work 9/10 Leadership 8/10
Relational skills and competences	Team spirit, good aggregation skills, spirit of initiative, dynamism and spirit of adaptation, all obtained thanks to voluntary activities and various sports practiced.
Organisational skills and competences	Fair leadership (I was responsible for a group of 25 people in the field of volunteering); good experience in the management of projects and groups, both in the university and voluntary sector; good sense of the organization.

"Autorizzo il trattamento dei miei dati personali ai sensi del D.lgs. 196 del 30 giugno 2003 degli artt. 13 e 14 del Regolamento 2016/679/UE GDPR"