

PERSONAL INFORMATION **Raffaele Villa**

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WORK EXPERIENCE

- 1 January 2021 – Present **Medical Physics Expert at Fondazione IRCCS San Gerardo dei Tintori, Monza**
Senior Medical Physicist (permanent position)
- 15 May 2019 – 31 December 2020 **Medical Physics Expert at San Gerardo Hospital (ASST Monza)**
Medical Physics Expert (self-employed).
- 8 May 2018 – 5 February 2019 **Medical Physics Expert at AOU Maggiore della Carità di Novara, Novara**
Medical Physicist (fixed-term position).
- January 2018 – April 2018 **Volunteer at San Gerardo Hospital (ASST Monza)**
Carried out within the Medical Physics Department.

EDUCATION AND TRAINING

- December 2014 – December 2017 **Clinical training at San Gerardo Hospital (ASST Monza)**
Carried out within the Medical Physics Department.
- January 2017 – December 2017 **Clinical training at Busto Arsizio Hospital (ASST Valle Olona)**
Carried out within the Medical Physics Department.
- December 2014 – December 2017 **Specialisation School in Medical Physics**
University of Milan (final grade: 70/70 cum laude).

Specialisation thesis: Spatio-temporal generalisation of Model Observer for Low Contrast Detectability assessment of dynamic angiographic images: comparison with an innovative Statistical method and 2AFC experiments

Qualification awarded: Medical Physics Expert.
- April 2013- April 2014 **Traineeship**

Research collaboration at IRCCS Istituto Nazionale dei Tumori, Milan, for the Master's degree thesis
- September 2012 – April 2014 **Master's Degree in Physics**

University of Milan (final grade: 110/110).

Thesis: Implementation and characterisation of an in vivo dosimetry system for radiotherapy

September 2008 – July 2012 **Bachelor's Degree in Physics**

University of Milan (final grade: 103/110).

Thesis: Study of temporal correlations in a Hénon–Heiles system

September 2003 – June 2008 **Scientific High School Diploma (PNI)**

IIS Tomo, Castano Primo (MI) (final grade: 90/100).

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	INTERMEDIATE	INTERMEDIATE	INTERMEDIATE	INTERMEDIATE	INTERMEDIATE

Organisational / managerial skills Teamwork skills developed during clinical training activities

Digital competence Good IT skills with both commercial software and programming languages, in particular:

- advanced knowledge of MATLAB
- Microsoft Office tools
- good knowledge of internet and e-mail
- general ability in learning new software

Driving licence B

ADDITIONAL INFORMATION

Publications Full list of publications provided in the annex.

Teaching activity **Adjunct Professor (Professore a contratto), University of Milan–Bicocca, School of Medicine and Surgery (since March 2022)**

Degree programme: I0303D – Medical Radiology Techniques for Imaging and Radiotherapy

Courses taught: Conventional Imaging Equipment and Analog Systems; Digital Systems and Quality Controls

Supervisor and Co-supervisor of Bachelor's and Master's thesis.

Supervised and co-supervised multiple undergraduate and postgraduate thesis projects across the following degree programmes:

- Medical Radiology Techniques for Imaging and Radiotherapy
- Cognitive Sciences and Decision Processes
- Physics

Clinical supervision

Clinical Supervisor for residents of the ICTP–University of Trieste Master of Advanced Studies in Medical Physics and Radiation Metrology

Professional activities **Working groups & protocol development:**

Active contributor to Italian (AIFM) and European working groups in medical physics, supporting the development of quality control protocols and technical recommendations in diagnostic and

interventional imaging.

Appointed as the AIFM representative for the Lombardy Regional Lung Cancer Screening Working Group, and co-author of "Report 11 – Minimum requirements, acquisition and reporting of CT examinations: Low-dose CT protocol for lung cancer screening.

ANNEXES

- List of publications

Personal data I authorise the processing of my personal data in accordance with EU Regulation 2016/679 (GDPR) and the previous Italian Legislative Decree 196/03.

Monza, 27/03/2026

