Curriculum vitae

PERSONAL INFORMATION

Vittorio Cannatà

(+39) 3384762729

vittorio.cannata@opbg.net

Sex Male | Date of birth 30/08/1962 | Nationality Italian

POSITION

Director of Medical Physics Unit

WORK EXPERIENCE

01/01/2024–Present
Director of Medical Physics Unit
Bambino Gesù Children's Hospital

22/12/2016–Present
Head of Medical Physics Unit
Bambino Gesù Children's Hospital

08/05/2019–Present
MRI Safety Expert
Bambino Gesù Children's Hospital

MR 3.0 T site

05/02/2012–30/06/2020
Medical Physicist Consultant
Local Health Authority Roma 3, Rome (Italy)

05/02/2012–30/06/2020
Radiation Protection Expert Consultant
Local Health Authority Roma 3, Rome (Italy)

05/02/2012–30/06/2020
MRI Safety Expert
Local Health Authority Roma 3, Rome (Italy)

MR 1.5 site

14/12/2007–Present
Member of Prevention and Protection Service
Bambino Gesù Children's Hospital, Rome (Italy)

04/2005–Present
Team leader
Bambino Gesù Children's Hospital, Rome (Italy)

Joint Commission International accreditation program: implementation and maintenance of patients and workers radiation protection plan and MRI Safety plan

05/03/2004–Present
MRI Safety Expert
Bambino Gesù Children's Hospital, Rome (Italy)

MR 1.5 T site

01/04/2001–Present
Radiation Protection Expert
Bambino Gesù Children's Hospital, Rome (Italy)

01/01/1998–21/12/2016 **Medical Physicist**
Bambino Gesù Children's Hospital, Rome (Italy)

01/01/2010–31/12/2015 **Head of Imaging Research Unit**
Bambino Gesù Children's Hospital, Rome (Italy)

01/01/1992–31/12/1998 **Medical Physicist Consultant - Department of Radiotherapy, Nuclear Medicine and Radiology**
La Sapienza University, Rome (Italy)

EDUCATION AND TRAINING

2003 **Italian Qualified Expert in Radiation Protection – III Degree**
Italian Department of Labour and Social Policy, Rome (Italy)

1994 **Medical Physicist Specialist**
Tor Vergata University, Rome (Italy)
Vote 50/50 L - Thesis: Problemi di dosimetria di base per fasci sottili di fotoni utilizzati in radioterapia stereotassica

1991 **Italian Qualified Expert in Radiation Protection – II Degree**
Italian Department of Labour and Social Policy, Rome (Italy)

1989 **Physics degree**
La Sapienza University, Rome (Italy)
Vote 108/100 - Thesis: Dosimetria di fasci elettrofotonici prodotti da acceleratore lineare medico

Commissions - Working Groups

06/2025 to present - *Italian Health Minestry Ministry of Health – Department of Prevention*

- Member of Workgoup on *Population dose from medical exposures, Italian Legislative Decree 101/2020, Article 168*

06/2025 to present - *Italian Health Minestry Directorate-General for Medical Devices and Pharmaceutical Service*

- Member of Commission on MRI Safety Law >4T

02/2025 to present - *Italian National Institute of Health*

- Member of Workgoup on Update of diagnostic reference levels (DRLs) in the pediatric population

10/2024 to present - Italian National Institute of Health

- Member of Workgoup on *Quality Assurance in Nuclear Medicine*

06/2024 to present - *Italian Association of Medical Physics*

- Chair of the Scientific Committee, 13th National Congress of the Italian Association of Medical Physics

11/2022 to present; *Italian Health Minestry Ministry of Health – Department of Prevention*

- Member of Technical-Scientific Commission on radiological emergency, paragraph 4 Article 197 Legislative Decree 101/2020

12/2019 to 03/2020 - Italian Health Minestry Directorate - Health Council (Consiglio Superiore della Sanità)

- Member of Workgoup on *Use of electrical stun guns related to the integrity of implantable pacemakers and implantable cardioverter defibrillator*

01/2018 to present - *Fondazione di religione e di culto "Casa Sollievo della Sofferenza* Hospital, San Giovanni Rotondo (FG). Litigation at the Court of Foggia.

- Expert on workers radiation protection and laws

12/2017 to 12/2021 - *Italian Health Minestry Directorate-General for Medical Devices and Pharmaceutical Service*

- Member of Commission on MRI Safety Law <4T

01/2017- 12/2019 - *Working group AIFM-SIRM-SIN* on drafting Italian Guidelines on patient's radiation protection in Neonatal Intensive Care Unit

- Representative of the Italian Association of Medical Physics. Good practices for patients undergoing X-ray exams

01/2013 to present - Working group on Italian Association of Medical Physics. Web forum on Ionizing Radiation, pregnant women and childrens

- Team leader

2012-2015 - *National Institute of Health*

- Member of working group on MRI patient safety and medical devices

2012 to present – *RINA check company*

- Consultant Medical Physicist. Radiation protection planning of Radiotherapy, Nuclear Medicine, X-Ray diagnostic hospital Units. Planning of hospital MRI sites

2010-2014 - Lazio Italian Region Commission on protection of workers and pubblic against ionizing radiation

- Senior III Degree Qualified Expert in Radiation Protection: prior approval of practies

PERSONAL SKILLS

Job-related skills

- Optimization of pediatric diagnostic imaging protocols: CT, planar X-Ray, interventional radiology, diagnostic and interventional cardiology, surgical and orthopedic fluoroscopic procedures
- Evaluation of the absorbed dose by pediatric patients in diagnostic X-rays examinations by means of analytical methods and Monte Carlo simulation techniques
- Dosimetric assessments of embryo and fetus exposure in medical exposures using ionizing radiation
- Responsible of patient medical exposure dosimetry of the corporate Dose Team

- Quality assurance of radiodiagnostic (CR, DR, CT, CBCT, mono and bi-plane angiographs) and Nuclear Medicine (gammacameras, activimeters) equipments
- Metabolic radiotherapy: optimization of treatments with personalized ^{131}I and ^{177}Lu dosimetry for lesions and Organ At Risk. Treatment planning customized to pediatric patients, dosimetric verification.
- Ocular brachytherapy treatments with Ru-106 ophthalmic plaques. The OPBG Medical Physics Unit was the first Italian Center in 2012 to implement this technique
- Optimization of Nuclear Medicine diagnostic procedures and X-ray exams in pediatric patients
- Machine Learning tools for dosimetry in radiopharmaceutical treatments
- Doses and Diagnostic Reference Levels in Nuclear Medicine and X-ray procedures. Commissioning of dose tracking software
- Management of radioactive hospital waste: contamination operators monitoring, environmental impact assessment, gamma ray spectrometry
- Radiation protection of workers exposed to ionizing radiation: X-Ray sources, sealed and unsealed radioactive sources for in vivo and in vitro practices. Radiation protection of public.
- Design of ionizing radiation sources sites: project development, first test of the plant, drafting of safety regulations, emergency procedures
- Plan of Radiation Safety training courses: Continuing Medical Education courses and On The Job courses
- Design of 1, 5 T and 3,0 T MRI sites: project development, drafting of safety regulations, emergency procedures
- Plan of MRI Safety training courses: Continuing Medical Education courses and On The Job courses
- Maintenance of Joint Commission International standards: periodic review and update procedures aimed at maintaining accreditation
- MRI exams on patients with implanted active or passive medical devices: release of technical opinions for patient safe. The OPBG Medical Physics Unit was the first Italian Center in 2015 to design and implement a specific workflow
- Accreditation requirements of healthcare facilities: verification of compliance with international, national and regional regulations
- Health Technology Assessment: evaluation of health technologies and medical devices
-

Funded European Projects

TRAMEXI (https://tramexi.com/): Medical Physics Unit of the Bambino Gesù Children's Hospital participates as an external beneficiary funded by the project

Scientific papers

Author – co-author of several scientific articles

Vittorio Cannatà

In compliance with the Italian Legislative Decree no. 196 dated 30 June 2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree

Vittorio Cannatà

Care colleghe e cari colleghi,

sulla spinta dell'invito rivoltomi da colleghi che stimo professionalmente e umanamente e dopo una attenta valutazione ho deciso di proporre la mia candidatura come membro del Consiglio Direttivo di AIFM.

Sono già diversi anni che faccio parte attivamente della vita dell'Associazione.

Sono stato eletto per la prima volta membro del Consiglio Direttivo nel 2018 e poco dopo, dallo stesso CD, vicepresidente. In questi anni ho dedicato tempo ed energie nel supportare le numerose e dure battaglie che la nostra Associazione si è trovata a dover combattere, in piena sintonia con il Presidente, il CD e i diversi organi associativi. In questi anni ho avuto l'opportunità e il privilegio di conoscere molti tra voi, di apprezzarne il valore e la professionalità ancora di più in questo ultimo periodo in qualità di Coordinatore Scientifico - assieme alla Prof.ssa Cristina Lenardi - del 13° Congresso Nazionale AIFM che si terrà a Verona nell'ottobre pv.

La nostra Associazione è molto cresciuta in questi ultimi anni: basterebbe osservare il ruolo centrale che oggi riveste all'interno dell'Area Radiologica grazie a coloro che ci hanno preceduto, al nostro Presidente, al Consiglio Direttivo e a tutti coloro che a vario titolo hanno contribuito e contribuiscono a rafforzarne il ruolo professionale e scientifico e che hanno lavorato e lavorano sodo per questo; oppure considerare le attribuzioni e le responsabilità dello specialista in fisica medica delineate all'interno del D. Lgs101/2020.

Questo patrimonio del fisico professionista sanitario, e molto altro ancora, rischia di essere dilapidato in assenza di una visione unitaria dell'Associazione, soprattutto in questo momento storico dove la nostra peculiarità viene sistematicamente messa in discussione a favore di una visione distorta, in cui le attribuzioni dello specialista in fisica medica si ritiene possano essere assolte da figure professionali non sanitarie.

In tale contesto, se sarò eletto, ritengo prioritario concentrare gli sforzi dell'Associazione su alcuni punti strategici per il rafforzamento del nostro ruolo: la difesa della nostra professione attribuitaci dal D. lgs 101/2020; l'attrattività della nostra figura da parte di giovani fisici attraverso il pieno riconoscimento della retribuzione durante il periodo della specializzazione; l'incremento della produzione di documenti, linee guida, buona pratiche per il concreto e fattivo supporto alle tematiche di interesse comune a tutti gli associati; l'attiva partecipazione a tavoli istituzionali e Gruppi di Lavoro per la difesa, il rafforzamento e la promozione del nostro ruolo;

il consolidamento delle attività del Comitato di Radioprotezione in Ambito Sanitario a favore degli associati Esperti di Radioprotezione; un maggiore respiro internazionale del ruolo scientifico della nostra associazione anche mediante eventi formativi con il coinvolgimento di colleghi di altri paesi su tematiche innovative o di particolare interesse; il sempre maggiore coinvolgimento dei giovani nelle attività, nei gruppi di lavoro e negli Organi Societari, elemento strategico se si vuole rendere sempre più viva, partecipata e dinamica la nostra Associazione.

Per assicurare un ruolo sempre più incisivo alla fisica medica nei prossimi anni è necessario il contributo di tutti, io sono pronto a fare la mia parte.

Roma, 13 agosto 2025

Vittorio CANNATÀ