

PERSONAL INFORMATION

Elisabetta Bonzano


✉ elisabettabonzano@gmail.com

X [@to_be_elizabeth](#)

Sex female | Nationality Italian

EDUCATION AND TRAINING

Currently	Radiation Oncologist, MD, PhD Fondazione IRCCS Policlinico San Matteo Hospital, Pavia
March 2025	Training program in Radiation Oncology MGH - Boston
Novembre 2023	MIUR qualified Associate Professor
April 2023	Training program in Radiation Oncology Memorial Sloan Kettering, New York
March 2023	Training program in Radiation Oncology Weill Cornell Medicine - New York Presbyterian, New York
10/2021-10/2023	Adivisor of the AIRO NeuroOncology Cancer board
09/2018 - 09/2022	PhD in Experimental Medicine Fondazione IRCCS Policlinico San Matteo Hospital and University, Pavia
09/2019- 10/2021	Adivisor of the AIRO Breast Cancer board
27/01/2020	Diploma di Ecografia Clinica.
12/2019-12/2020	Ultrasound Masterclass SIUMB - Fondazione IRCCS Policlinico San Matteo Hospital and University, Pavia
9/08/2018	Specialist in Radiation Oncology Department of Radiation Oncology, Policlinico San Martino Hospital, Genoa 50/50 lode
08/2013 – 08/2018	Specialization School in Radiation Oncology Policlinico San Martino Hospital, Genoa
12/2014 - 07/2015	Clinical researcher in radiation oncology E.O. Galliera Hospital, Genoa
05/2017 - 07/2017	Observership in Radiation Oncology The Mount Sinai Hospital, New York The ProCure Proton Therapy Center in Somerset, New Jersey

- 01/2018 - 03/2018 **Research project at Radiation Oncology**
The Institut Curie, Paris
- 03/2018 - 04/2018 **Research project at Radiation Oncology**
The René-Huguenin hospital, Saint-Cloud.
- 07/2005 **High School Diploma**
Liceo Scientifico Galileo Galilei, Alessandria (Italia)
- 07/2012 **Doctor of Medicine (M.D.)**
110 / 110
- 02/2013 **Professional practice examination enabling the medical profession**
University of Genoa (Italia)

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Job-related skills** ▪ good command of Intensity Modulated Radiation Therapy (IMRT), Volumetric Modulated Arc Therapy (VMAT), Intraoperative Radiation Therapy (IORT), Three-Dimensional Conformal Radiotherapy (3DCRT), Image-Guided Radiation Therapy (IGRT), Tomotherapy, Brachytherapy, Stereotactic Body Radiation Therapy (SBRT). Proton Therapy
- Computer skills** ▪ good command of Microsoft Office™ tools, Mac OS, Computerized Treatment Planning Systems (TPS) used in radiation therapy, 3DCRT/IMRT/IGRT planning.
- Driving licence** B

ADDITIONAL INFORMATION

Clinical researches Honours and awards

G. SCARDA award for the best poster 2013 "Immune Reconstitution Inflammatory Syndrome (IRIS) WITH SNC INVOLVEMENT IN HIV+ PATIENT: CASE REPORT AND REVIEW OF THE LITERATURE." Dott.ssa E. Bonzano, et al. 53° NATIONAL CONGRESS SNO -2013. Firenze, Italy

ELEKTA award for the best radiation oncology research 2016 "CARDIOTOXICITY OF DIFFERENT HYPOFRACTIONATED RADIOTHERAPY CONCURRENTLY ASSOCIATED WITH TRASTUZUMAB IN EARLY BREAST CANCER"
2016 AIRO Annual Meeting, Rimini, Italy

AIRO scholarship for a research project at Curiè Institute 2018
AIRO Annual Meeting, 11-13 November, Rimini, Italy

Travel Grant ESMO TAT 2018, 5-7 March 2018, Paris, France

Finalist for the 150 years Marie Curie video Contest ESTRO, April 2018, Barcellona, Spain.

Fellowship for "14th Meet the Professor. Advanced International Breast Cancer Course (AIBCC)"

September 20-22, 2018, Padova, Italy

SONO award "A case of neurotrophic keratopathy concomitant to brain metastasis" Aosta, October 2018

BANDO GIOVANI SIUMB award - Roma 2019

Senonetwork Residential Stage – 2022

Senonetwork VII Masterclass – 2024

Work experience

	Radiation Oncologist at IRCCS Fondazione IRCCS Policlinico San Matteo
01/01/2020 - currently	Radiation Oncologist at IRCCS Fondazione IRCCS Policlinico San Matteo
16/12/2018 - 16/06/2019	Radiation Oncologist at IRCCS Fondazione IRCCS Policlinico San Matteo
01/07/2019 - 17/02/2023	PhD in Experimental Medicine at University of Pavia and Fondazione IRCCS Policlinico San Matteo, department of Radiation Oncology

Publications

"A successful therapeutic challenge: local re-irradiation of breast cancer with a single dose of 18 Gy Intraoperative radiation therapy (IORT)". E. Bonzano, M. Guenzi, R. Corvò DOI: 10.7759/cureus.

"Salvage hypofractionated radiotherapy in a progressive Radiation Induced Angiosarcoma (RIA): a case report" E. Bonzano, M. Guenzi, R. Corvò DOI: 10.7759/cureus.1886

"Targeted Anticancer Therapy and Concomitant Hypofractionated Radiotherapy in Breast Cancer" E. Bonzano, M. Guenzi, R. Corvò TAT 2018 ESMO, 5-7 March, 2018 Paris, Abstract on Annals of Oncology <https://doi.org/10.1093/annonc/mdy047.089>

"Less is good: once weekly hypofractionated radiotherapy for early breast cancer in elderly women" E. Bonzano, G. Siffredi, M. Guenzi, R. Corvò ESTRO 37 Radiotherapy & Oncology <https://cld.bz/5RIE5Z/734/>

"Cardiotoxicity Assessment After Different Adjuvant Hypofractionated Radiotherapy Concurrently Associated With Trastuzumab In Early Breast Cancer" E. Bonzano, M. Guenzi, R. Corvò In Vivo (Anticancer Research) DOI: 10.21873/invivo.11322

"Comparison of local recurrence among early breast cancer patients treated with electron intraoperative radiotherapy vs hypofractionated photon radiotherapy: An observational study" M. Guenzi*, E. Bonzano*, R. Corvò, F. Merolla, A. Pastorino, F. Cavagnetto, S. Garelli, C.A. Cutolo, D. Friedman, L. Belgioia Front. Oncol., <https://doi.org/10.3389/fonc.2018.00207> *contributed equally to this work as first author

"Tumor Size-driven Dose of Intraoperative Radiotherapy for Breast Cancer: 18 Gy Versus 21 Gy" E. Bonzano, L. Belgioia, P. Fregatti, D. Friedman, S. Agostinelli, F. Cavagnetto, M. Beveggi, R. Corvò and M. Guenzi Anticancer Research DOI: 10.21873/anticancer.12880.

"Novel 10-fraction breast irradiation in prone and supine position: technical, dosimetric and clinical evaluation" Marina Guenzi, Davide Bosetti, Giorgio Lamanna, Guido Siffredi, Elisabetta Bonzano, Marco Gusinu, Stefania Garelli, Francesco Pupillo, Renzo Corvò. Tumori 2015; 101(2): 154 – 160

"Adjuvant intraoperative radiotherapy for selected breast cancers in previously irradiated women: Evidence for excellent feasibility and favorable outcomes" Blandino G, Guenzi M, Belgioia L, Bonzano E, Configliacco E, Tomari E, Cavagnetto F, Bosetti D, Fozza A, Friedman D, Corvò R Rep Pract Oncol Radiother. 2017 DOI: 10.1016/j.rpor.2017.02.009

"Outcome in Patients Treated With Partial Breast Reconstruction or Bilateral Reduction Mammoplasty at the Time of Breast Conserving Surgery (BCS) Followed by Whole Breast Radiation Therapy (WBRT)" Manjeet Chadha, MD, Elisabetta Bonzano, MD, Elina Zaretsky, MD, Sarah Cate, MD, Susan Boolbol, MD, and Mark Smith, MD; Icahn School of Medicine at Mount Sinai, Northwell Health International Journal of Radiation Oncology DOI: <https://doi.org/10.1016/j.ijrobp.2018.02.066>

"A case of neurotrophic keratopathy concomitant to brain metastasis" Dott.ssa C. Bonzano, E. Bonzano et al. DOI: 10.7759/cureus.2309

"No Ink on Ductal Carcinoma In Situ: A Single Centre Experience."
Fregatti P, Gipponi M, Depaoli F, Murelli F, Guenzi M, Bonzano E, Ceppi M, Friedman D. *Anticancer Res.* 2019 Jan;39(1):459-466. doi: 10.21873/anticancer.13134.

Breast reconstruction and hypofractionated adjuvant radiotherapy: dosimetric and aesthetic analysis, E.Bonzano, M.Guenzi, R.Corvò ESTRO 38 Abstract on Radiotherapy & Oncology

Hypofractionated radiotherapy for breast cancer in elderly patients: 10 or 5 fractions? accepted for the E.Bonzano, G.Polizzi, M.Guenzi, R.Corvò ESTRO 38 Abstract on Radiotherapy & Oncology

"Whole breast external beam radiotherapy in elderly patients affected by left-sided early breast cancer: a dosimetric comparison between two simple free-breathing techniques" Carosi et al. *Aging Clinical and Experimental Research* 2019 DOI: 10.1007/s40520-019-01312-5.

"Management of the axilla in patients with breast cancer and positive sentinel lymph node biopsy: an evidence-based update in a certified European breast center." Garcia-Etienne C., Ferrari A., Della Valle A., Grasso D., Lucioni M. Bonzano E. et al. *EJSO* 2019 DOI: 10.1016/j.ejso.2019.08.013.

"Simultaneous Integrated Boost in Once-Weekly Hypofractionated Radiotherapy for Breast Cancer in Elderly: preliminary evidence." Bonzano E., L. Belgioia, Polizzi G, Siffredi G., Fregatti P, Friedman D., Garelli S., Gusinu M., Vaccara E., Guenzi M, Corvò R. *In Vivo.* 2019 Nov-Dec;33(6):1985-1992. doi: 10.21873/invivo.11694.

"Local Failure After Accelerated Partial Breast Irradiation with Intraoperative Radiotherapy with Electrons: An Insight into Management and Outcome from an Italian Multicentric Study."
M.C.Leonardi, L.Tomio, D.Radice, S.Takanen, E.Bonzano, M.Alessandro, A.Ciababboni, G.B. Ivaldi, V.Bagnardi, A. Ombretta, C. Francia, C. Fodor, E. Miglietta, P.Veronesi, V. Galimberti, R.Orecchia, M. Guenzi, B. Jereczek-Fossa. *Ann Surg Oncol.* 2019 Nov 15. doi: 10.1245/s10434-019-08075-3.

"CFSE: A New Method to Identify Human Limbal Stem-Cells and Their Migration in Human Corneas" has been accepted with high priority for publication in *In Vivo.* Bonzano C. Bonzano E. et al. *In Vivo.* 2019 Nov-Dec;33(6):1851-1855. doi: 10.21873/invivo.11678.

Best Clinical Practice nel trattamento del tumore alla mammella. Gruppo AIRO Mammella. 2019

"Doxycycline: From Ocular Rosacea to COVID-19 Anosmia. New Insight Into the Coronavirus Outbreak" Bonzano C Borroni D Lancia A Bonzano E. *Front. Med.*, 08 May 2020 |

"Radiotherapy in the era of COVID-19" Lancia A. Bonzano E. et al. *Expert Review of Anticancer Therapy* accepted June 2020

Positive predictive value for malignancy of uncertain malignant potential (B3) breast lesions diagnosed on vacuum-assisted biopsy: is surgical excision still recommended? M. Lucioni, C. Rossi, P.I Lomoro, F. Ballati, M. Fanizza, A. Ferrari, C. A. Garcia-Etienne, E. Boveri, G. Meloni, M.G. Sommaruga, E. Ferraris, A. Lasagn, Elisabetta Bonzano, M. Paulli, A. Sgarella, G. Di Giulio

Association of Breast Cancer Irradiation With Cardiac Toxic Effects: A Narrative Review. Meattini I, Poortmans PM, Aznar MC, Becherini C, Bonzano E, et al. *JAMA Oncol.* 2021 Jun 1;7(6):924-932. doi: 10.1001/jamaoncol.2020.7468. PMID: 33662107.

Breast reconstruction and radiation therapy: An Italian expert Delphi consensus statements and critical review. Meattini I, Becherini C, Bernini M, Bonzano E, et al. *Cancer Treat Rev.* 2021 Sep; 99:102236. doi: 10.1016/j.ctrv.2021.102236. Epub 2021 May 27. PMID: 34126314.

Less is more: new one-step intracameral chemotherapy technique. Borroni D, Bonzano C, Rachwani-Anil R, Rocha-de Lossada C, Martín FZ, Garcia-Lorente M, Bonzano E, Khaqan HA. *Rom J Ophthalmol.* 2021 Jul-Sep;65(3):218-221. doi: 10.22336/rjo.2021.44. PMID: 35036640; PMCID: PMC8697783.

The efficacy of immunonutrition in improving tolerance to chemoradiotherapy in patients with head and neck cancer, receiving nutritional counseling: study protocol of a randomized, open-label, parallel group, bicentric pilot study. Caccialanza R, Cereda E, Klersy C, Nardi M, Masi S, Crotti S, Cappello S, Caissutti V, Brovia C, Lobascio F, Formisano E, Colombo S, Filippi AR, Bonzano E, Comoli P, Catenacci L, Alberti A, Musella V, Ferrari A, Imarisio I, Tancredi R, Monaco T, Ghi MG, Bossi P, Pedrazzoli P. *Ther Adv Med Oncol.* 2021 Sep 11;13:17588359211025872. doi: 10.1177/17588359211025872. PMID: 34527079; PMCID: PMC8436314.

Omission of radiation (Book Chapter) - Breast Cancer Radiation Therapy. A Practical Guide for Technical Applications. Orit Kaidar-Person, Icro Meattini & Philip Poortmans
<https://doi.org/10.1007/978-3-030-91170-6>

AIRO Breast Cancer Group Best Clinical Practice 2022 Update. Ciabattini A et al. *Tumori.* 2022 Jul;108(2_suppl):1-144. doi: 10.1177/03008916221088885. PMID: 36112842

Muscle weakness as an additional criterion for grading sarcopenia-related prognosis in patients with cancer. Cereda E, Tancredi R, Klersy C, Lobascio F, Crotti S, Masi S, Cappello S, Stobäus N, Tank M, Cutti S, Arcaini L, Bonzano E, Colombo S, Pedrazzoli P, Norman K, Caccialanza R. *Cancer Med.* 2022 Jan;11(2):308-316. doi: 10.1002/cam4.4362. Epub 2021 Dec 10. PMID: 34894098; PMCID: PMC8729063.

Recombinant Human Nerve Growth Factor (Cenegermin)-Driven Corneal Wound Healing Process: An Evidence-Based Analysis. Bonzano C, Olivari S, Cutolo CA, Macri A, Sindaco D, Borroni D, Bonzano E, Traverso CE. *Front Pharmacol.* 2022 Jan 28;12:760507. doi: 10.3389/fphar.2021.760507. PMID: 35153738; PMCID: PMC8832138.

"Highly specialized Breast Centers did not experience delay of care during COVID-19 pandemic in Italy: the Senonetwork experience" has been accepted for publication in Breast Cancer Research and Treatment. Losurdo A. et al. Luglio 2022

Garcin syndrome and hippocampal-sparing WBRT: successful resolution of a rare case E Bonzano, R Russo, S Colombo, A Francia, R Di Liberto, A Filippi, P03.04.B *Garcin syndrome and hippocampal-sparing WBRT: successful resolution of a rare case, Neuro-Oncology, Volume 24, Issue Supplement_2, September 2022, Pages ii32–ii33, <https://doi.org/10.1093/neuonc/noac174.108>*

A successful case of Histiocytic sarcoma. E Bonzano, S Colombo, L Mantovani, R Di Liberto, A Filippi, P03.10.B, *Neuro-Oncology, Volume 24, Issue Supplement_2, September 2022, Page ii34, <https://doi.org/10.1093/neuonc/noac174.114>*

"Concordance Of Immunohistochemistry for Predictive And Prognostic Factors In Breast Cancer Between Biopsy And Surgical Excision: A Single-Centre Experience And Review Of The Literature" accepted in Breast Cancer Research and Treatment. Feb. 2023

"Modulation of tumor-associated macrophage activity with radiation therapy: a systematic review." *Strahlenther Onkol.* 2023 Jun 22. Becherini C, Lancia A, Detti B, Lucidi S, Scartoni D, Ingrosso G, Camevale MG, Roghi M, Bertini N, Orsatti C, Mangoni M, Francolini G, Marani S, Giacomelli I, Loi M, Pergolizzi S, Bonzano E, Aristei C, Livi L. doi: 10.1007/s00066-023-02097-3. Epub ahead of print. PMID: 37347290.

"Axillary Management in Breast Cancer Patients Undergoing Upfront Surgery: Results from a Nationwide Survey on Behalf of the Clinical Oncology Breast Cancer Group (COBCG) and the Breast Cancer Study Group of the Italian Association of Radiotherapy and Clinical Oncology (AIRO)." De Rose F, Colciago RR, Lucidi S, La Rocca E, Prisco A, Bonzano E, Meduri B, De Santis MC, Dicuonzo S, Pasinetti N, Palumbo I, Meattini I, Franco P. *Curr Oncol.* 2023 Aug 8;30(8):7489-7498. doi: 10.3390/curroncol30080542. PMID: 37623023; PMCID: PMC10453508.

"Biological Insights and Radiation-Immuno-Oncology Developments in Primary and Secondary Brain Tumors." Gregucci F, Beal K, Knisely JPS, Pagnini P, Fiorentino A, Bonzano E, Vanpouille-Box CI, Cisse B, Pannullo SC, Stieg PE, Formenti SC. *Cancers (Basel).* 2024 May 28;16(11):2047. doi: 10.3390/cancers16112047.

"Biology-guided radiotherapy in metastatic prostate cancer: time to push the envelope?" Andrea Lancia, Gianluca Ingrosso, Beatrice Detti, Eleonora Festa, Elisabetta Bonzano et al. *Frontiers* 2024

doi: 10.3389/fonc.2024.1455428.

"The role of radiation therapy in the multidisciplinary management of male breast cancer: A systematic review and meta-analysis on behalf of the Clinical Oncology Breast Cancer Group (COBCG)."

Colciago RR, Lancellotta V, De Santis MC, Bonzano E, et al. Crit Rev Oncol Hematol. 2024 doi: 10.1016/j.critrevonc.2024.104537

"Predicting extent of resection and neurological outcome for insular gliomas: an analysis of two available classifications." Francesco Guerrini, Viola Marta Custodi, Antonio Giuri, Maria

Claudia Caporrimo, Paola Bini, Ilaria Imarisio, Sara Colombo, Elisabetta Bonzano et al. Cancers 2024

"Single-modality endocrine therapy versus radiotherapy after breast-conserving surgery in women aged 70 years and older with luminal A-like early breast cancer (EUROPA): a preplanned interim analysis of a phase 3, non-inferiority, randomised trial."

Meattini I, De Santis MC, Visani L, Scorsetti M, Fozza A, Meduri B, De Rose F, Bonzano E, et al. Lancet Oncol. 2024 Dec 11:S1470-2045(24)00661-2. doi: 10.1016/S1470-2045(24)00661-2.

"Integration of Ultrasound-Guided Motion Management Into Proton Therapy Treatment Plans for Ventricular Tachycardia Non-Invasive Radioablation" Eleonora Rossi, Alfredo Mirandola, Nicoletta Basla, Elisabetta Bonzano, Mario Ciocca, Riccardo Di Liberto, Adriano Garonna, Laura Mantovani, Ester Orlandi, Andrea Pella, Antonio Sanzo, Adele Valentini, Luca Vicini Scajola, Roberto Rordorf, and Viviana Vitolo. (submitted Medical Physics Journal)

"Double Standards In Radiomic Quality Assessment: Does Readers' Background Matter? A Case Study On Nasopharyngeal Cancer Endorsed By The Italian Association Of Radiation Oncology And Clinical Oncology (Airo)" Stefania Volpe, Maria Giulia Vincini, Sara Raimondi, Mattia Zaffaroni, Liliana Belgioia, Elisabetta Bonzano et al. (submitted LaRadiologia Medica)

"Impact of Whole-Brain Radiation Therapy on neurocognitive functions, alopecia and hearing loss: a Systematic Review and Meta-Analysis endorsed by the Palliative Care and Neuro-Oncology Study Groups of the Italian Association of Radiotherapy and Clinical Oncology (AIRO)" Rossella Di Franco, MD; Silvia Chiesa, MD; Francesco Cellini, MD; Ettore Rocchi, PhD; Sara Peluso, PhD; Francesca Maurizi, MD; Valentina Borzillo, MD; Esmeralda Scipilliti, MD; Elisabetta Bonzano PhD, et al. (submitted Radiotherapy and Oncology)

Heart and Left Anterior Descending Coronary Artery (LAD) Exposure from Hypo-Fractionated Whole Breast Radiotherapy with a Prone Setup.

Gregucci F, Bonzano E, Ng J, Talebi F, Patel M, Trick D, Chandrasekhar S, Zhou XK, Fenton-Kerimian M, Pennell R, Formenti SC. Cancers (Basel). 2025 May 3;17(9):1562. doi: 10.3390/cancers17091562.

Current Treatment Paradigms for Advanced Melanoma with Brain Metastases. Bonzano E, Barruscotti S, Chiellino S, Montagna B, Bonzano C, Imarisio I, Colombo S, Guerrini F, Saddi J, La Mattina S, Tomasini CF, Spena G, Pedrazzoli P, Lancia A. Int J Mol Sci. 2025 Apr 18;26(8):3828. doi: 10.3390/ijms26083828.

Conferences and Presentations

Actively participated in several national and international conferences.

OncoAlert Ambassador for: EBCC14 Milan 2024, ASCO Chicago 2024, ESMO Barcellona 2024, ASCO2025

Clinical and Research Experience

Local Principal Investigator of EUROPA trial (Endocrine Therapy or Partial Breast Irradiation as Exclusive Postoperative Treatment in Women Aged ≥ 70 Years with Early-Stage Luminal-A Breast Cancer: A Phase 3 Randomized Non-Inferiority Study)

Local Principal Investigator of FAST-F-PG01(Hypofractionated Adjuvant Radiotherapy According to Ultra-Hypofractionated Scheme After Conservative Surgery in Patients with Breast Cancer)

Local Principal Investigator AIRO-LILT (National Implementation of Best Clinical Practices in Breast Cancer Radiotherapy and Activation of Specific Radiotherapy Follow-up Programs, with Data Collection on the Effectiveness and Long-Term Side Effects of Radiation Treatment, to Ensure the Health of Oncology Patients and the Transferability of Know-How.)

Principal Investigator Brave-Heart trial. (Breast cancer Radiotherapy using Active breathing coordinator to aVoid Exposure of HEART)

Co-investigator Male Breast Carcinoma (retrospective study)

Co-investigator CARA-VT (Non-invasive CARDiac RADIOablation for Ventricular Tachycardia: a feasibility dosimetric in silico study based on a prospective cohort of patients to compare photon to proton and to carbon ion radiotherapy)

Co-investigator CARDIOTOX trial (Early Detection of Cardiotoxicity from Systemic and Radiation Therapy in Patients With Breast Cancer: Protocol for a Multi-Institutional Prospective Study)

Memberships

Member of the OncoAlert Breast Faculty.

Member of the OncoAlert Associate Faculty.

Member of Clinical Oncology Breast Cancer Group (COBCG).

Member of the AIRO Breast Cancer Group.

Member of the AIRO Neuro-Oncology Group.
Member of the Italian Association of Radiation Oncology (AIRO) IORT group.
Co-author of the AIRO "Best Clinical Practice" in Breast Radiotherapy 2019-2022.
Member of the European Organisation for Research and Treatment of Cancer (EORTC) Breast Cancer Group
Member of the European Organisation for Research and Treatment of Cancer (EORTC) Radiation Oncology Group
Member of the European Society Radiation Oncology. (ESTRO)
Member of European Society for Medical Oncology. (ESMO)
Member of Italian Society of Ultrasound in Medicine and Biology. (SIUMB)
Currently dealing researcher on radiation oncology.

Pavia, 21/08/2025



**Alla cortese attenzione del Coordinamento del Gruppo di Studio AIRO
Trattamenti Ablativi non Oncologici**

Con la presente desidero proporre la mia candidatura come consigliere del gruppo di studio.

Da alcuni anni mi occupo di radioablazione stereotassica della tachicardia ventricolare (VT) nell'ambito del progetto di ricerca corrente CARA-VT (Non-invasive CARDiac RAdioablation for Ventricular Tachycardia).

Si tratta di uno studio prospettico, multicentrico e osservazionale *in silico*, che ha come obiettivo la valutazione della fattibilità clinica, dosimetrica e radiobiologica della radioablazione non invasiva per VT refrattaria, integrando imaging cardiaco dedicato (TC con gating) e confrontando in maniera sistematica trattamenti con fotoni e protoni. Un aspetto centrale del progetto è stato lo studio del risparmio delle sottostutture cardiache critiche (coronarie, valvole, sistema di conduzione) e la gestione del movimento cardiaco e respiratorio, sia con fotoni che con protoni. In questo contesto abbiamo in corso diversi lavori scientifici, tra cui di recente abbiamo pubblicato lo studio sull'integrazione della gestione ecoguidata del movimento nei piani con protoni, che ben rappresenta l'approccio multidisciplinare e innovativo di questa ricerca.

Ritengo sia importante contribuire a:

- Favorire l'integrazione multidisciplinare, che in questo ambito è imprescindibile (radio-oncologi, fisici, cardiologi, radiologi).
- Promuovere collaborazioni internazionali, necessarie per unire le casistiche e rafforzare le evidenze.
- Definire protocolli dosimetrici condivisi, avviare registri *real-world* e studi condivisi, con attenzione anche alle nuove tecnologie (protoni, ioni, sistemi avanzati di motion management).

Spero di poter contribuire con entusiasmo e con la mia esperienza a questo gruppo.

Cordiali saluti,
Elisabetta Bonzano