

Carmelo De Gori

Enthusiastic radiology eager to contribute to professional improvement through hard work, attention to details and excellent organizational skills. Motivated to learn, grow and stand out as a radiologist in the setting of cardiac imaging. Expert in Photon Counting imaging, advanced CT/MR.

Radiologist at Fondazione Gabriele Monasterio – CNR (Italy) (December 2022-actual).

MEDICAL TRAINING

- (March 2021 – November 2022) Fellow in Cardiovascular Imaging at Fondazione G. Monasterio C.N.R., Pisa - Massa
- (2018 - 2022) Radiology resident, University of Pisa, Italy
- (2015-2018) Resident in Family Physician Course, Corso di formazione regionale, Pisa, Italy,

PROFESSIONAL AFFILIATIONS and MEMBERSHIPS

- Member of Italian Medical and Interventional Society of Radiology (SIRM, Cardiovascular Radiology) group

CERTIFICATION AND LICENSURE

Degree in Medicine and Surgery at the University of Siena, Italy, 110/110 cum laude

Degree in Radiology at University of Pisa, Italy, 110/110 cum laude

PUBLICATIONS

- Gueli IA, Trimarchi G, Coceani M, Todiere G, De Gori C, Barison A, Paradossi U, Emdin M, Aimo A, Clemente A. Multimodality Imaging in a Patient With MINOCA and Anomalous Coronary Artery. JACC Case Rep. 2025 Jun 25;30(16):104198. doi: 10.1016/j.jaccas.2025.104198. PMID: 40579100; PMCID: PMC12273847.
- Sharka I, Panichella G, Grigoratos C, Muca M, De Gori C, Keilberg P, Novani G, Barra V, Hlavata H, Bianchi M, Zai DS, Frijia F, Clemente A, Todiere G, Barison A. Myocardial Perfusion Imaging with Cardiovascular Magnetic Resonance in Nonischemic Cardiomyopathies: An In-Depth Review of Techniques and Clinical Applications. Medicina (Kaunas). 2025 May 10;61(5):875. doi: 10.3390/medicina61050875. PMID: 40428833; PMCID: PMC12113637.
- Cademartiri F, Maffei E, Cau R, Positano V, De Gori C, Celi S, Saba L, Bossone E, Meloni A. Current and future applications of photon-counting computed tomography in cardiovascular medicine. Heart. 2025 Aug 18;heartjnl-2025-325790. doi: 10.1136/heartjnl-2025-325790. Epub ahead of print. PMID: 40368454.
- Gueli IA, Aimo A, Alderotti B, Trimarchi G, Bellisario I, Todiere G, Grigoratos C, De Gori C, Clemente A, Fabiani I, Botto N, Vittorini S, Panichella G, Vergaro G,

Giannoni A, Aquaro GD, Passino C, Emdin M, Barison A. Arrhythmic risk prediction in non-dilated left ventricular cardiomyopathy: The role of overlap with arrhythmogenic cardiomyopathy. *Int J Cardiol.* 2025 Jul 15;431:133224. doi: 10.1016/j.ijcard.2025.133224. Epub 2025 Apr 5. PMID: 40194566.

- Aquaro GD, De Gori C. T1 mapping is not ready to replace the use of contrast agents in stress CMR. *Eur Heart J Cardiovasc Imaging.* 2025 May 30;26(6):991-992. doi: 10.1093/ehjci/jeaf098. PMID: 40114389.
- Caselli C, Occhipinti M, Pane K, De Gori C, Rocchiccioli S, Botto N, Prontera C, Cavaliere C, Ragusa R, Vecoli C, Sansone F, Passaro E, Ceccherini E, Morlando A, Clemente A, Franzese M, Maffei E, Punzo B, Gimelli A, Cademartiri F, Neglia D. Health improvements by understanding residual risk in coronary artery disease and new targets for prevention/treatment: rationale and research protocol of the HURRICANE project. *Eur Heart J Open.* 2025 Jan 28;5(1):oeaf005. doi: 10.1093/ehjopen/oeaf005. PMID: 39949422; PMCID: PMC11823827.
- Palmisano A, Bruno E, Aquaro GD, De Gori C, Barbieri S, Adami M, Plataroti D, Rondi P, di Meo N, Ravanelli M, Farina D, Rossi A, Pradella S, Miele V, Marchitelli L, Cundari G, Galea N, Tore D, Gatti M, Faletti R, Palumbo P, Di Cesare E, D'Angelo T, Lanzafame LRM, Blandino A, Dell'Aversana S, Ponsiglione A, Ascione R, Imbriaco M, Porcu M, Cau R, Saba L, Ferrandino G, Liguori C, Sambuceti V, Seitun S, Siani A, Carriero A, Cosenza M, Lovato L, Vignale D, Faggioni L, Neri E, Esposito A. Prevalence of Mitral Annular Disjunction at Cardiac MRI: Results from a Multicenter Registry. *Radiol Cardiothorac Imaging.* 2024 Dec;6(6):e230428. doi: 10.1148/ryct.230428. PMID: 39699304; PMCID: PMC11683205.
- Meloni A, Cau R, Saba L, Positano V, De Gori C, Occhipinti M, Celi S, Bossone E, Bertacchi J, Punzo B, Mantini C, Cavaliere C, Maffei E, Cademartiri F. Photon-Counting Computed Tomography Angiography of Carotid Arteries: A Topical Narrative Review with Case Examples. *Diagnostics (Basel).* 2024 Sep 11;14(18):2012. doi: 10.3390/diagnostics14182012. PMID: 39335691; PMCID: PMC11431079.
- Meloni A, Maffei E, Positano V, Clemente A, De Gori C, Berti S, La Grutta L, Saba L, Bossone E, Mantini C, Cavaliere C, Punzo B, Celi S, Cademartiri F. Technical principles, benefits, challenges, and applications of photon counting computed tomography in coronary imaging: a narrative review. *Cardiovasc Diagn Ther.* 2024 Aug 31;14(4):698-724. doi: 10.21037/cdt-24-52. Epub 2024 Jul 31. PMID: 39263472; PMCID: PMC11384460.
- Meloni A, Maffei E, Clemente A, De Gori C, Occhipinti M, Positano V, Berti S, La Grutta L, Saba L, Cau R, Bossone E, Mantini C, Cavaliere C, Punzo B, Celi S, Cademartiri F. Spectral Photon-Counting Computed Tomography: Technical Principles and Applications in the Assessment of Cardiovascular Diseases. *J Clin Med.* 2024 Apr 18;13(8):2359. doi: 10.3390/jcm13082359. PMID: 38673632; PMCID: PMC11051476.
- Simonini L, Frijia F, Ait Ali L, Foffa I, Vecoli C, De Gori C, De Cori S, Baroni M, Aquaro GD, Maremmanni C, Lombardo F. A Comprehensive Review of COVID-19-Related Olfactory Deficiency: Unraveling Associations with Neurocognitive

Disorders and Magnetic Resonance Imaging Findings. *Diagnostics (Basel)*. 2024 Feb 7;14(4):359. doi: 10.3390/diagnostics14040359. PMID: 38396398; PMCID: PMC10888385.

- Barison A, Ceolin R, Palmieri A, Tamborrino PP, Todiere G, Grigoratos C, Gueli IA, De Gori C, Clemente A, Pistoia L, Pepe A, Aquaro GD, Positano V, Emdin M, Cademartiri F, Meloni A. Biventricular Tissue Tracking with Cardiovascular Magnetic Resonance: Reference Values of Left- and Right-Ventricular Strain. *Diagnostics (Basel)*. 2023 Sep 11;13(18):2912. doi: 10.3390/diagnostics13182912. PMID: 37761278; PMCID: PMC10527573.
- Lencioni R, Fanni SC, Morganti R, Febi M, Ambrosini I, De Gori C, D'Amore CA, Bruni L, D'Agostino G, Milazzo A, Guerri G, Coppola M, Mazzeo ML, Cioni D, Neri E. Looking for appropriateness in follow-up CT of oncologic patients: Results from a cross-sectional study. *Eur J Radiol*. 2023 Oct;167:111080. doi: 10.1016/j.ejrad.2023.111080. Epub 2023 Sep 4. PMID: 37683331.
- Aquaro GD, Monastero S, Todiere G, Barison A, De Gori C, Grigoratos C, Parisella ML, Faggioni L, Cioni D, Lencioni R, Neri E. Diagnostic Role of Native T1 Mapping Compared to Conventional Magnetic Resonance Techniques in Cardiac Disease in a Real-Life Cohort. *Diagnostics (Basel)*. 2023 Jul 24;13(14):2461. doi: 10.3390/diagnostics13142461. PMID: 37510205; PMCID: PMC10377876.
- Meloni A, Cademartiri F, Pistoia L, Degiorgi G, Clemente A, De Gori C, Positano V, Celi S, Berti S, Emdin M, Panetta D, Menichetti L, Punzo B, Cavaliere C, Bossone E, Saba L, Cau R, La Grutta L, Maffei E. Dual-Source Photon-Counting Computed Tomography-Part III: Clinical Overview of Vascular Applications beyond Cardiac and Neuro Imaging. *J Clin Med*. 2023 May 31;12(11):3798. doi: 10.3390/jcm12113798. PMID: 37297994; PMCID: PMC10253892.
- Cademartiri F, Meloni A, Pistoia L, Degiorgi G, Clemente A, De Gori C, Positano V, Celi S, Berti S, Emdin M, Panetta D, Menichetti L, Punzo B, Cavaliere C, Bossone E, Saba L, Cau R, Grutta L, Maffei E. Dual Source Photon-Counting Computed Tomography-Part II: Clinical Overview of Neurovascular Applications. *J Clin Med*. 2023 May 23;12(11):3626. doi: 10.3390/jcm12113626. PMID: 37297821; PMCID: PMC10253695.
- Aquaro GD, De Gori C, Faggioni L, Parisella ML, Cioni D, Lencioni R, Neri E. Diagnostic and prognostic role of late gadolinium enhancement in cardiomyopathies. *Eur Heart J Suppl*. 2023 Apr 26;25(Suppl C):C130-C136. doi: 10.1093/eurheartjsupp/suad015. PMID: 37125322; PMCID: PMC10132607.
- Meloni A, Frijia F, Panetta D, Degiorgi G, De Gori C, Maffei E, Clemente A, Positano V, Cademartiri F. Photon-Counting Computed Tomography (PCCT): Technical Background and Cardio-Vascular Applications. *Diagnostics (Basel)*. 2023 Feb 9;13(4):645. doi: 10.3390/diagnostics13040645. PMID: 36832139; PMCID: PMC9955798.
- Aquaro GD, De Gori C, Grilli G, Licordari R, Barison A, Todiere G, Ianni U, Parollo M, Grigoratos C, Restivo L, De Luca A, Faggioni L, Cioni D, Sinagra G, Di Bella G, Neri E. Dark papillary muscles sign: a novel prognostic marker for cardiac magnetic

- resonance. Eur Radiol. 2023 Jul;33(7):4621-4636. doi: 10.1007/s00330-023-09400-x. Epub 2023 Jan 24. PMID: 36692598; PMCID: PMC10289986.
- Aquaro GD, De Gori C, Faggioni L, Parisella ML, Aringhieri G, Cioni D, Lencioni R, Neri E. Cardiac Magnetic Resonance in Fabry Disease: Morphological, Functional, and Tissue Features. Diagnostics (Basel). 2022 Nov 1;12(11):2652. doi: 10.3390/diagnostics12112652. PMID: 36359495; PMCID: PMC9689455.
 - Ruocco G, Pellegrini M, De Gori C, Franci B, Nuti R, Palazzuoli A. The prognostic combined role of B-type natriuretic peptide, blood urea nitrogen and congestion signs persistence in patients with acute heart failure. J Cardiovasc Med (Hagerstown). 2016 Nov;17(11):818-27. doi: 10.2459/JCM.0000000000000350. PMID: 26702597.
 - Palazzuoli A, Ruocco G, Pellegrini M, De Gori C, Del Castillo G, Franci B, Nuti R, Ronco C. Comparison of Neutrophil Gelatinase-Associated Lipocalin Versus B-Type Natriuretic Peptide and Cystatin C to Predict Early Acute Kidney Injury and Outcome in Patients With Acute Heart Failure. Am J Cardiol. 2015 Jul 1;116(1):104-11. doi: 10.1016/j.amjcard.2015.03.043. Epub 2015 Apr 8. PMID: 25943992.
 - Palazzuoli A, Ruocco G, Pellegrini M, De Gori C, Del Castillo G, Giordano N, Nuti R. The role of erythropoietin stimulating agents in anemic patients with heart failure: solved and unresolved questions. Ther Clin Risk Manag. 2014 Aug 13;10:641-50. doi: 10.2147/TCRM.S61551. PMID: 25143739; PMCID: PMC4137997.

ATTENDANCE at CONFERENCES and SEMINARS

1. De Gori C. et al., *Anemia e scompenso cardiaco: ruolo della disfunzione renale e del metabolismo del ferro*; SIC Congress Roma, Italy, 2014 (Speaker);
2. De Gori C. et al. *Ruolo diagnostico del T1 mapping a Confronto con le Convenzionali tecniche di Risonanza Magnetica Cardiaca: Studio Real-Life*; Congresso SIRM Cardio X Torino, 2021 (Speaker);
3. Aquaro G. D. et al., *Ecocardiografia e Risonanza Magnetica Cardiaca nella Diagnosi Differenziale delle Varie Forme di Ipertrofia Ventricolare Sinistra: implicazioni diagnostiche e prognostiche*; Congresso SIRM Cardio X Torino, 2021, (Coauthor).
4. Aquaro G. D. et al., *Risonanza Magnetica Cardiaca Post Mortem di cuori espunti in pazienti deceduti per morte improvvisa*; Congresso SIRM Cardio X Torino, 2021. , (Coauthor).
5. Cardio X - Professionalità, appropriatezza, multidisciplinarietà e nuove frontiere in Cardioradiologia, in data 10/09/2021, (Speaker);
6. CardioRadio Live Cases in... Milano San Raffaele - Malattie Infettive Cardiache (Endocarditi e miocarditi) in data 23/06/2021, (Speaker);
7. Different MRI presentation of Arrhythmogenic Cardiomyopathy: a challenge; ECR 2022. (Coauthor).
8. Imaging cardiac con Cardio-TC e Cardio-RM, il “PAZIENTE ACUTO”, (Speaker);
9. CardioRad-LiveCases in... Pisa – Masse cardiache (Speaker);
10. ECR 2023 – Dark-Pap sign: a new prognostic marker in patients with preserved left ventricular ejection fraction. Oral presentation – March 01–05, 2023
11. MILANO 2024 - Laboratorio Intelligenza Artificiale MULTIMEDIALE - Cardio TC: la patologia coronarica. Speaker
12. MILANO 2024 - Laboratorio Intelligenza Artificiale INTERATTIVO - Avanzamenti in TC 2: dall'imaging spettrale al photon counting. Speaker.

13. PISA 2024 - Dritti al cuore: la Cardioradiologia e il Radiologo oggi - Ruolo diagnostico e prognostico dell'imaging nelle cardiomiopatie. Speaker