

CURRICULUM VITAE of Giovanni Domenico Gentile, MD

Personal Information

Name	Giovanni Domenico Gentile
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Nationality	Italian
Date of Birth	25-12-1982
Place of Birth	Agrigento
Sex	Male
Tax Code	GNTGNN82T25A089F
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Current Title	Chief of Cardiac Imaging at IRCCS Mediterranean Institute for Transplantation and Advanced Specialized Therapies (ISMETT, www.ismett.edu). ISMETT is a partnership between the University of Pittsburgh Medical Center Health System (USA) and the Italian National Government. 11/2009 till now ISMETT has received accreditation by Joint Commission International (JCI).

Employment History

June 2024	Clinical Assistant Professor of Radiology UPMC
May 2024	Chief of Cardiac Imaging at Radiology Unit, ISMETT-UPMC in Palermo (Italy).
June 2020	Attending in Radiology at Radiology Unit, ISMETT-UPMC in Palermo (Italy).
May 2014	Junior Attending in Radiology at Radiology Unit, ISMETT-UPMC in Palermo (Italy).
2 nd May 2012	Start of Fellowship in Radiology (duration 2 years) at Radiology Unit, ISMETT-UPMC in Palermo (Italy).

Experience in Clinical Trials

From August 2023 till now	Sub-Investigator in A Phase 3, Multinational, Double-Blind, Randomized, Placebo-Controlled Study of MAESTRO-NASH OUTCOMES MGL-3196-19 protocol sponsored by Madrigal Pharmaceuticals.
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Good Clinical Practice and Clinical Trials Courses

6 th May 2021	IO.FI.CLI.ISMETT016 - Gestione carrello emergenze - docente Di Bartolo
2 nd March 2021	AUTOLETTURA REV NON SOSTANZIALI IO.FI.GEN.ISMETT002-05-08-13-10-60
11 th February 2021	REV SOSTANZIALI IO.FI.GEN.ISMETT001-03-14 (Rev B 01-03-21) - docente Di Bartolo
8 th , 15 th , 20 th October 2020	Istruzioni Operative Parte 1,2,3,4 – Chiara Di Bartolo
15 th October 2020	Course: Good Clinical Practice – NIDA Clinical Trial Network
19 th August 2020	Course: ICH-GCP E6R2 - Cristina Lumini GCP Auditor
21 st July 2020	Course: “Le fasi della sperimentazione clinica” - Cristina Lumini GCP Auditor

Education and Professional Training

23 rd January 2025	ACLS Course – ISMETT UPMC AHA training center
From April 2022 to January 2023	“Corso di formazione manageriale per Direttore di Struttura Complessa” (cod. FM DSC 02 22) – provider: CEFPAS (D.A. Salute n.47 2021 – DASOE Servizio 2 Formazione prot. n. 1173 21/03/2022)
5 th September 2024	BLS-D Course – ISMETT UPMC AHA training center
19 th -20 th April 2018	<i>Research Methodology Course Curriculum: Editing & Publishing: Etica E Strategie Della Pubblicazione Scientifica - GIMBE – Evidence for Health</i>
13 th -16 th March 2017	<i>Research Methodology Course Curriculum: Trial Clinici: Pianificazione, Conduzione, Analisi E Reporting - GIMBE – Evidence for Health</i>
5 th -7 th July 2016	<i>Research Methodology Course Curriculum: Introduzione alla Metodologia della Ricerca Clinica - GIMBE – Evidence for Health</i>
12 th -14 th October 2015	<i>Research Methodology Course Curriculum: Studi Osservazionali: pianificazione, conduzione, analisi e reporting - GIMBE – Evidence for Health</i>
20 th -24 th June 2013	Master-applicativo in CardioTC - Centro Cardiologico Monzino – IRCCS
13 th -17 th May 2013	Master in Cardiorisonanza - Centro Cardiologico Monzino – IRCCS
10 th April 2012	Conclusion of Residency in Radiology at University of Palermo. Thesis with title: “Valutazione combinata della funzione atriale e ventricolare per lo studio della diastole in Risonanza Magnetica: Cardiomiopatia Ipertrofica vs Controlli Sani”, final grade 50/50 cum laude.
June-September 2011	Training Period (4 months) at MRI Lab C.N.R. (Consiglio Nazionale della Ricerca), Fondazione “G. Monasterio” – Pisa (Italy) with experience in Cardiovascular Magnetic Resonance (Tutor: Prof. Massimo Lombardi)
January-May 2011	Training Period (5 months) at Radiology Department, ISMETT-UPMC in Palermo (Italy), with particular experience in organ transplants and oncology multimodality imaging (CT, MR and US) (Tutor: Prof. Angelo Luca).
January-June 2010	Training Period (6 months) at Radiology Department, University of Parma (Italy), with particular experience in Non Invasive Cardiovascular Imaging (CT and MR) (Tutor: Prof. Filippo Cademartini).
2008	Beginning of Residency in Radiology (duration 4 years): Radiology Department, University of Palermo (Italy).
2007	Italian Medical Board Licensing Examination

30 October 2007	Honours degree from School of Medicine, final grade 110/110 cum laude (thesis worthy of mention). Experimental thesis with title: "Studio della funzione ventricolare sinistra con TC multistrato: nostra esperienza".
2001	Start of School of Medicine at University of Palermo, Italy (duration 6 years).
2001	High School Diploma: Liceo Ginnasio Statale "Empedocle" (Agrigento, Italy), grade 100/100.
Foreign Language	English (Intermediate Level)
Radiological Skills	Multimodality Cardiovascular Imaging (vascular-US, CT-Angiography, MR-Angiography, Cardiac-CT, Cardiac-MR). Imaging of organs transplantation (US, MDCT, MRI). Abdominal and thoracic imaging (US, MDCT, MRI). Oncology Imaging (US, MDCT, MRI).
MEMBERSHIP IN RADIOLOGY SOCIETIES	SIRM, Italian Society of Medical Radiology ESR, European Society of Radiology ESCR, European Society of Cardiovascular Radiology
HONORS AND AWARDS	V Carollo, S Caruso, S Aquilina, K Cortis, M Milazzo, G Mamone, G Gentile , F Crino', A Di Piazza, G Marrone, L Maruzzelli, R Miraglia. Diagnostic Imaging and Interventional Procedures in Complications of Kidney Transplantation. RSNA 2017, Chicago.
List of Current Research Interest	Computational Modeling of valvular disease Dual-source CT Coronary Angiography Cardiomyopathies Congenital Heart Disease Imaging of Transcatheter Aortic Valve Replacement Imaging in Transplantation H-index: 17 (Scopus) <i>Pursuant to articles 46 and 47 of the D.P.R. n. 445/2000 and subsequent amendments, aware of the criminal penalties provided for by art. 76 of the same Presidential Decree, for the hypotheses of falsity in deeds and false declarations indicated therein, declares that the information contained in this CV is true.</i> <i>I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data" and of the article 13 of the GDPR (EU Regulation 2016/678).</i>

Palermo, 08/09/2025

Signature



Academic Activities

Published Papers

1. Simulations of left atrial appendage inversion procedure: Patient-specific models with different appendage geometries - Scuoppo Roberta, Puleo Silvia, Sausa Giuseppe; Cannata Stefano; **Gentile Giovanni**; Guccione Julius M, Kassab Ghassan S, Gandolfo Caterina, Pasta Salvatore (2025) Computers in Biology and Medicine DOI 10.1016/j.combiomed.2025.109875
2. Generation of a virtual cohort of TAVI patients for in silico trials: a statistical shape and machine learning analysis - Scuoppo Roberta, Castelbuono Salvatore, Cannata Stefano, **Gentile Giovanni**, Agnese Valentina, Bellavia Diego, Gandolfo Caterina, Pasta Salvatore - Medical and Biological Engineering and Computing (2025) DOI 10.1007/s11517-024-03215-8
3. Shape of the mitral annulus in normal individuals and dilated cardiomyopathies: computational modeling insights into leaflet stress distribution - Pasta Salvatore, La Franca Eluisa, Crasci Fabrizio, **Gentile Giovanni**, Cipriani, Manlio, Faletra Francesco Fulvio (2025) Frontiers in Physiology DOI 10.3389/fphys.2025.1532972
4. On the Material Constitutive Behavior of the Aortic Root in Patients with Transcatheter Aortic Valve Implantation - Catalano Chiara, Turgut Tahir, Zahalka Omar, Gotzen Nils, Cannata Stefano; **Gentile Giovanni**, Agnese Valentina, Gandolfo Caterina, Pasta Salvatore (2024) Cardiovascular Engineering and Technology DOI 10.1007/s13239-023-00699-7
5. Imaging of hepatocellular carcinoma recurrence after liver transplantation, Giuseppe Mamone, Settimo Caruso, Mariapina Milazzo, Giorgia Porrello, Ambra Di Piazza, **Giovanni Gentile**, Vincenzo Carollo, Francesca Crinò, Gianluca Marrone, Gianvincenzo Sparacia, Luigi Maruzzelli, Roberto Miraglia & Salvatore Gruttadauria Insights into Imaging, 2023, 14(1), 84
6. On the spectrum of transcatheter mitral valve replacement: In silico and in vitro assessment of neo-LVOT area in ViR, ViV and ViMAC, Catalano, C., Cannata, S., Agnese, V., **Gentile G.**, Gandolfo, C., Pasta, S. Bioprinting, 2023, 32, e00285
7. Feasibility of Ultra-Low Volume Contrast-Saline Mixture Injection With Dual-Flow Technique in a Pre-TAVI Computed Tomography Angiography Gallo, G.S., Caruso, C., Iannazzo, E., Christine Cannataci MD, Roberta Gerasia BSc, RT, Corrado Tafaro BSc, RT, **Giovanni Gentile MD** Giuseppe Mamone MD, Settimo Caruso MD, Gianluca Marrone MD, Caterina Gandolfo MD, Roberto Miraglia MD, Heart Lung and Circulation, 2023, 32(4), pp. 525–534
8. Parametric analysis of transcatheter aortic valve replacement in transcatheter aortic valve replacement: evaluation of coronary flow obstruction Scuoppo, R., Cannata, S., **Gentile, G.**, Gandolfo, C., Pasta, S. Frontiers in Bioengineering and Biotechnology, 2023, 11, 1267986
9. Biomechanical performance of the Bicaval Transcatheter System for the treatment of severe tricuspid regurgitation Crasci, F., Cannata, S., **Gentile, G.**, Gandolfo, C., Pasta, S. Frontiers in Bioengineering and Biotechnology, 2023, 11, 1179774
10. Transjugular intrahepatic portosystemic shunt (TIPS) complications: what diagnostic radiologists should know, Mamone, G., Milazzo, M., Di Piazza, A., Caruso S., Carollo V., **Gentile G.**, Crinò F., Marrone G., Sparacia G., Maruzzelli, L., Miraglia, R. Abdominal Radiology, 2022, 47(12), pp. 4254–4270
11. Case 305: Loeffler Endocarditis Caruso, S., Marrone, G., **Gentile, G.** Radiology, 2022, 304(3), pp. 736–742
12. Atlas-Based Evaluation of Hemodynamic in Ascending Thoracic Aortic Aneurysms Catalano Chiara, Agnese Valentine, **Gentile Giovanni**, Raffa M. Giuseppe, Pilato Michele Pasta Salvatore. Applied Sciences (Switzerland), 2022, 12(1), 394

13. Patient-specific analysis of ascending thoracic aortic aneurysm with the living heart human model Salvatore Cutugno, Valentina Agnese, **Giovanni Gentile**, Giuseppe M. Raffa, Andrew D. Wisneski, Julius M. Guccione, Michele Pilato and Salvatore Pasta Bioengineering, 2021, 8(11), 175
14. Adult-type anomalous origin of the left coronary artery from the pulmonary artery **Gentile Giovanni**, Caruso Settimo Radiology, 2021, 300(2), pp. 287
15. Transcatheter heart valve implantation in bicuspid patients with self-expanding device Salvatore Pasta, Stefano Cannata, **Giovanni Gentile**, Valentina Agnese, Giuseppe Maria Raffa, Michele Pilato and Caterina Gandolfo Bioengineering, 2021, 8(7), 91
16. Imaging of calcified hepatic lesions: spectrum of diseases Giuseppe Mamone, Ambra Di Piazza, **Giovanni Gentile**, Mariapina Milazzo, Vincenzo Carollo, Francesca Crinò, Gianluca Marrone, Settimo Caruso, Gianvincenzo Sparacia, Luigi Maruzzelli, Roberto Miraglia Abdominal Radiology, 2021, 46(6), pp. 2540–2555
17. Prognostic Role of Left Ventricular Intramyocardial Fatty Metaplasia in Patients With Previous Myocarditis (MYOFAT Study) Gianluca Di Bella, **Giovanni Gentile**, Flaviano Irsuti, Romano Giuseppe, Francesco Clemenza, Giuseppe Mamone, Rocco Donato, Antonio De Luca, Jan Bogaert and Giovanni Donato Aquaro American Journal of Cardiology 2021, 143, pp. 135–144
18. Optimizing Liver Division Technique for Procuring Left Lateral Segment Grafts: New Anatomical Insights Vincenzo Carollo, Roberto Cannella, Gianvincenzo Sparacia, Giuseppe Mamone, Settimo Caruso, Christine Cannataci, Giovanni Gentile, Giuseppe Salvatore Gallo, Ambra Di Piazza, Fabrizio Di Francesco. Liver Transplantation, 2021, 27(2), pp. 281–285
19. Deep learning approach for the segmentation of aneurysmal ascending aorta Albert Comelli, Navdeep Dahiya, Alessandro Stefano, Viviana Benfante, Giovanni Gentile, Valentina Agnese, Giuseppe M. Raffa, Michele Pilato, Anthony Yezzi, Giovanni Petrucci, Salvatore Pasta Biomedical Engineering Letters (2021) 11:15–24
20. Coronary CT angiography: a guide to examination, interpretation, and clinical indications Filippo Cademartiri, Giancarlo Casolo, Alberto Clemente, Sara Seitun, Cesare Mantini, Eduardo Bossone, Luca Saba, Nicola Sverzellati, Stefano Nistri, Bruna Punzo, Carlo Cavaliere, Ludovico La Grutta, **Giovanni Gentile** & Erica Maffei Expert Review of Cardiovascular, 2021, 19(5), pp. 413–425
21. Cardiac CT angiography: normal and pathological anatomical features—a narrative review Alberto Clemente, Sara Seitun, Cesare Mantini, **Giovanni Gentile**, Duccio Federici, Andrea Barison, Andrea Rossi, Magdalena Cuman, Alessandra Pizzuto, Lamia Ait-Ali, Eduardo Bossone, Filippo Cademartiri, Dante Chiappino Cardiovascular Diagnosis and Therapy, 2020, 10(6), pp. 1918–1945
22. Intracavitary right coronary artery Gianluca Marrone, Francesca Crino, Giuseppe Mamone, **Giovanni Gentile**, and Settimo Caruso Eur Heart J Cardiovasc Imaging 2020 Aug 1;21(8):935 doi: 10.1093/ehjci/jeaa049.
23. Shear Stress and Aortic Strain Associations With Biomarkers of Ascending Thoracic Aortic Aneurysm Salvatore Pasta, Valentina Agnese, Alessia Gallo, Federica Cosentino, Marzio Di Giuseppe, **Giovanni Gentile**, Giuseppe M. Raffa, Joseph F. Maalouf, Hector I. Michelena, Diego Bellavia, Pier Giulio Conaldi, and Michele Pilato. 2020 Annals of Thoracic Surgery 110 (5) ,pp.1595
24. Feasibility of combined ECG-Gated and Helical acquisition mode in a pre-TAVI computed tomography angiography protocol using a fixed low-volume contrast medium injection Giuseppe S. Gallo, Roberta Gerasia, Calogero Caruso, Corrado Tafaro, Erica Iannazzo, Christine Cannataci, **Giovanni Gentile**, Giuseppe Mamone, Caterina Gandolfo, Roberto Miraglia. European Journal of Radiology 131 (2020) <https://doi.org/10.1016/j.ejrad.2020.109239>
25. Endomyocardial fibrosis of the right ventricle: A case report of successful surgery. - Negri, F., Fabris, E., Masè, M., Vitrella, G., Minà, C., Turrise, M., Liotta, R., **Gentile, G.**, Pilato, M., Sinagra, G., Clemenza, F. (2020) Journal of Cardiac Surgery, 35 (2), pp. 460-463.

26. Simulation study of transcatheter heart valve implantation in patients with stenotic bicuspid aortic valve. - Salvatore Pasta, Stefano Cannata, **Giovanni Gentile**, Marzio Di Giuseppe, Federica Cosentino, Francesca Pasta, Valentina Agnese, Diego Bellavia, Giuseppe M. Raffa, Michele Pilato, Caterina Gandolfo. (2020) Medical & Biological Engineering & Computing <https://doi.org/10.1007/s11517-020-02138-4>.
27. Prognostic Role of Late Gadolinium Enhancement in Patients With Hypertrophic Cardiomyopathy and Low-to-Intermediate Sudden Cardiac Death Risk Score. - Todiere, G., Nugara, C., **Gentile, G.**, Negri, F., Bianco, F., Falletta, C., Novo, G., Di Bella, G., De Caterina, R., Zachara, E., Re, F., Clemenza, F., Sinagra, G., Emdin, M., Aquaro, G.D. (2019) American Journal of Cardiology, 124 (8), pp. 1286-1292.
28. On the role of material properties in ascending thoracic aortic aneurysms. - Cosentino, F., Agnese, V., Raffa, G.M., **Gentile, G.**, Bellavia, D., Zingales, M., Pilato, M., Pasta, S. (2019) Computers in Biology and Medicine, 109, pp. 70-78.
29. Computational modeling of bicuspid aortopathy: Towards personalized risk strategies. - Cosentino, F., Scardulla, F., D'Acquisto, L., Agnese, V., **Gentile, G.**, Raffa, G., Bellavia, D., Pilato, M., Pasta, S. (2019) Journal of Molecular and Cellular Cardiology, 131, pp. 122-131.
30. Pathoanatomic Findings and Treatment During Hypertrophic Obstructive Cardiomyopathy Surgery: The Role of Mitral Valve. - Raffa, G.M., Romano, G., Turrise, M., Morsolini, M., **Gentile, G.**, Sciacca, S., Armaro, A., Stringi, V., Mattiucci, G., Magro, S., Cosentino, F., Clemenza, F., Pilato, M. (2019) Heart Lung and Circulation, 28 (3), pp. 477-485.
31. Surgical treatment of hypertrophic obstructive cardiomyopathy: The role of mitral valve [Article@Trattamento chirurgico della cardiomiopatia ipertrofica ostruttiva: il ruolo della valvola mitrale]. - Raffa, G.M., Romano, G., Falletta, C., Morsolini, M., Turrise, M., **Gentile, G.**, Nugara, C., Scarlata, M., Clemenza, F., Pilato, M. (2019) Giornale Italiano di Cardiologia, 20 (2), pp. 109-116.
32. Transjugular Intrahepatic Portosystemic Shunt Using the New Gore Viatorr Controlled Expansion Endoprosthesis: Prospective, Single-Center, Preliminary Experience. - Miraglia, R., Maruzzelli, L., Di Piazza, A., Mamone, G., Caruso, S., **Gentile G.**, Tuzzolino, F., Floridia, G., Petridis, I., Volpes, R., Luca, A. (2019) CardioVascular and Interventional Radiology, 42 (1), pp. 78-86
33. Spontaneous coronary artery dissection: The great pretender. - Franca, E.L., Falletta, C., Raffa, G.M., **Gentile G.**, Gesaro, G.D., Baravoglia, C.M.H., Gandolfo, C., Frenda, A., Caramanno, G., Clemenza, F., Pilato, M. (2018) Journal of Thoracic Disease, 10, pp. S4179-S4182.
34. Acute Obstructive Thrombosis of Sapien 3 Valve After Valve-in-Valve Transcatheter Aortic Valve Replacement for Degenerated Mosaic 21 Valve. - Gandolfo, C., Turrise, M., Follis, F., Clemenza, F., Falletta, C., **Gentile G.**, Liotta, R., Raffa, G.M., Pilato, M. (2018) JACC: Cardiovascular Interventions, 11 (2), pp. 215-217
35. Biomechanical determinants of right ventricular failure in pulmonary hypertension. - Scardulla, F., Bellavia, D., Vitulo, P., Romano, G., Mina, C., **Gentile, G.**, Clemenza, F., Pasta, S. (2018) ASAIO Journal, 64 (4), pp. 557-564.
36. In Vivo Strain Analysis of Dilated Ascending Thoracic Aorta by ECG-Gated CT Angiographic Imaging.- Pasta, S., Agnese, V., Di Giuseppe, M., **Gentile G.**, Raffa, G.M., Bellavia, D., Pilato, M. (2017) Annals of Biomedical Engineering, 45 (12), pp. 2911-2920.
37. Should subcutaneous implantable cardioverter-defibrillators be implanted in patients who are candidates for continuous flow left ventricular assist device?. - Raffa, G.M., Morsolini, M., **Gentile G.**, Coppola, G., Sciacca, S. (2017) European Journal of Internal Medicine, 43, pp. e30-e32.
38. Three-dimensional parametric modeling of bicuspid aortopathy and comparison with computational flow predictions. - Pasta, S., **Gentile G.**, Raffa, G.M., Scardulla, F., Bellavia, D., Luca, A., Pilato, M., Scardulla, C. (2017) Artificial Organs, 41 (9), pp. E92-E102.

39. In Silico Shear and Intramural Stresses are Linked to Aortic Valve Morphology in Dilated Ascending Aorta. - Pasta, S., **Gentile G.**, Raffa, G.M., Bellavia, D., Chiarello, G., Liotta, R., Luca, A., Scardulla, C., Pilato, M. (2017) *European Journal of Vascular and Endovascular Surgery*, 54 (2), pp. 254-263.
40. From Small Coronary Artery Aneurysm to Giant Left Ventricle Aneurysm.- Sciacca, S., Raffa, G.M., **Gentile G.**, Pilato, M. (2017) *Medical Principles and Practice*, 26 (1), pp. 87-89.
41. Chronic Stanford type A aortic dissection. - Raffa, G.M., Pilato, M., Armaro, A., Ruperto, C., **Gentile G.**, Follis, F. (2016) *Journal of Cardiovascular Medicine*, 17, pp. e138-e140.
42. Early distal remodeling after elephant trunk repair of thoraco-abdominal aortic aneurysms. - Raffa, G.M., Pasta, S., **Gentile G.**, Scardulla, F., Wu, B., D'Ancona, G., Follis, F., Pilato, M. (2016) *Journal of Biomechanics*, 49 (12), pp. 2398-2404.
43. Intrahepatic mass-forming cholangiocarcinoma: enhancement pattern on Gd-BOPTA-MRI with emphasis of hepatobiliary phase. - Mamone, G., Marrone, G., Caruso, S., Carollo, V., **Gentile G.**, Crino, F., Milazzo, M., Luca, A. (2015) *Abdominal Imaging*, 40 (7), pp. 2313-2322.
44. Assessment of atrial diastolic function in patients with hypertrophic cardiomyopathy by cine magnetic resonance imaging. - Grassedonio, E., Todiere, G., La Grutta, L., Toia, P., **Gentile G.D.**, Galia, M., Midiri, F., Pepe, A., Midiri, M., Aquaro, G.D. (2015) *Radiologia Medica*, 120 (8), pp. 714-722.
45. Should pectus excavatum alter aortic root surgery in patients with marfan syndrome? A computed tomography scan-guided surgical strategy through left anterior thoracotomy. - Raffa, G.M., **Gentile, G.**, De Monte, L., Pilato, M. (2015) *Seminars in Thoracic and Cardiovascular Surgery*, 27 (3), pp. 328-330.
46. An unexpected finding complicating pericardial effusion and tamponade. - Santise, G., Sciacca, S., Ruperto, C., **Gentile G.**, Panarello, G., Follis, F. (2014) *Journal of Cardiothoracic and Vascular Anesthesia*, 28 (4), pp. 1174-1176.
47. Acceptance of noninvasive computed tomography coronary angiography: For a patient-friendly medicine. - La Grutta, L., La Grutta, S., Galia, M., Lo Piccolo, G., **Gentile, G.**, La Tona, G., Epifanio, M.S., Maffei, E., Cademartiri, F., Lo Baido, R., Lagalla, R., Midiri, M. (2014) *Radiologia Medica*, 119 (2), pp. 128-134.
48. Heart rate control with oral ivabradine in computed tomography coronary angiography: A randomized comparison of 7.5 mg vs 5 mg regimen. - Guaricci, A.I., Maffei, E., Brunetti, N.D., Montrone, D., Di Biase, L., Tedeschi, C., **Gentile G.**, Macarini, L., Midiri, M., Cademartiri, F., Di Biase, M. (2013) *International Journal of Cardiology*, 168 (1), pp. 362-368.
49. Comparison of iodinated contrast media for the assessment of atherosclerotic plaque attenuation values by CT coronary angiography: Observations in an ex vivo model. - La Grutta, L., Galia, M., **Gentile G.**, Lo Re, G., Grassedonio, E., Coppolino, F., Maffei, E., Maresi, E., Lo Casto, A., Cademartiri, F., Midiri, M. (2013) *British Journal of Radiology*, 86 (1021), art. no. 20120238, .
50. Imaging evaluation of cardiac stem cells transplantation. - Toia, P., Grassedonio, E., La Grutta, L., **Gentile G.**, Gioia, G.B., Midiri, M. (2012) *EuroMediterranean Biomedical Journal*, 2012, pp. 10-14.
51. A mistaken case of non-q wave acute infarction. - Toia, P., Grassedonio, E., **Gentile G.**, La Grutta, L., Gandolfo, C., Galia, M., Midiri, M. (2012) *EuroMediterranean Biomedical Journal*, 2012, pp. 39-43.
52. Diagnostic accuracy of second-generation dual-source computed tomography coronary angiography with iterative reconstructions: A real-world experience [Article@Accuratezza diagnostica dell'angiografia coronarica con tomografia computerizzata a doppia sorgente di seconda generazione con ricostruzioni iterative: Valutazione nel mondo reale]. - Maffei, E., Martini, C., Rossi, A., Mollet, N., Lario, C., Morelli, M.C., Clemente, A., **Gentile G.**, Arcadi, T., Seitun, S., Catalano, O., Aldrovandi, A., Cademartiri, F. (2012) *Radiologia Medica*, 117 (5), pp. 725-738.
53. Prognostic outcome of routine clinical noninvasive multidetector-row computed tomography coronary angiography in patients with suspected coronary artery disease: A 2-year follow-up study [Article@Valore prognostico nella routine clinica dell'angiografia coronarica non invasiva mediante TC multistrato in pazienti con sospetta malattia coronarica:

follow-up a 2 anni]. - La Grutta, L., Runza, G., **Gentile G.**, Russo, E., Lo Re, G., Galia, M., Bartolotta, T.V., Alaimo, V., Malagò, R., Cademartiri, F., Cardinale, A.E., Midiri, M. (2011) Radiologia Medica, 116 (4), pp. 521-531.

Book Chapter

1. Establishing In-silico Credibility of Patient-Specific Finite-Element Model in a Virtual Cohort - Chiara Catalano, Tahir Turgut, Omar Zhalka, Nils Gotzen, Stefano Cannata, Giovanni Gentile, Valentina Agnese, Caterina Gandolfo, Salvatore Pasta (2024) - Lecture Notes in Computational Vision and Biomechanics Computer Methods in Biomechanics and Biomedical Engineering II, pp. 311-318, DOI 10.1007/978-3-031-55315-8_34
2. Heart anatomy. - La Grutta, L., Gentile, G., Runza, G., Galia, M., Cademartiri, F., Midiri, M. (2013) Clinical Applications of Cardiac CT, pp. 93-113.
3. Valvular heart disease - La Grutta, L., Grassedonio, E., Gentile, G., Lo Re, G., Coppolino, F., La Tona, G., Galia, M., Midiri, M. (2013) Geriatric Imaging, 9783642355790, pp. 259-283.
4. G. Gentile, M. Galia, E. Grassedonio e M. Midiri - CASO N. 5: ANEURISMA TRONCO CELIACO (pag. 109)<; CASO N. 9: STENOSI SEVERA AORTA ADDOMINALE (pag. 113) - "Manuale Angio-RM Body: l'essenziale." Authors: B. Cusati; E. Di Cesare; G. Di Costanzo; M. Galia; L. Grazioli; G. Morana; S. Tartari; A. Vanzulli. Edited by Magnetic Resonance Group of "SIRM" (Prof. A. Ragozzino) - 2011.

Sono il Dr Giovanni Gentile dal 2012 Medico Radiologo presso l'ISMETT-IRCCS di Palermo, dal 2024 Responsabile dell'Imaging Cardiovascolare e Clinical Assistant Professor of Radiology presso l'Università di Pittsburgh.

Scrivo per sottoporre la mia candidatura al Comitato Direttivo del Gruppo Regionale Sicilia. Vorrei mettere a disposizione le mie competenze per potenziare l'Imaging Cardiovascolare nelle Radiologie del territorio.

Negli ultimi anni l'Imaging Cardiovascolare non invasivo (TC ed RM) è diventato un elemento indispensabile nel percorso diagnostico/terapeutico dei pazienti con sospetta patologia cardiaca o vascolare. Mentre nei centri Hub e ad alta specializzazione l'Imaging Cardiovascolare è stato implementato, grazie all'installazione di nuove apparecchiature e alla formazione adeguata del personale, negli ospedali periferici, a fronte di una implementazione tecnologica non c'è stata una adeguata formazione del personale e un adeguamento dei protocolli clinici, demandando molto spesso la gestione di questi esami alla Cardiologia dell'Ospedale.

La mia proposta è quella di creare la massima diffusione nel territorio regionale della "cultura" dell'imaging cardiovascolare, considerata per troppo tempo una branca di nicchia, quando oggi, nel 2025, dovrebbe essere competenza essenziale di tutti i Radiologi Ospedalieri e non soltanto di specialisti di branca.

Per questo motivo chiedo gentilmente di considerare la mia candidatura e la mia piena disponibilità per tutte le iniziative formative e per l'implementazione dell'Imaging Cardiovascolare nelle Radiologie del territorio siciliano.

Ringraziando anticipatamente, porgo distinti saluti.

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