



UNIVERSITÀ
DEGLI STUDI
DELL'AQUILA



DISCAB
Dipartimento di Scienze
Cliniche Applicate
e Biotecnologiche

CURRICULUM VITAE

PERSONAL INFORMATION	Name and surname: Ernesto Di Cesare Department: Biotechnological and Applied Clinical Sciences Address (work): Radiology - San Salvatore Hospital – Via L. Natali, snc City: L'Aquila postal code 67100 Nation: Italy E-mail address (work): ernesto.dicesare@univaq.it
CURRENT POSITION	Full Professor of Diagnostic Imaging and Radiotherapy at the University of L'Aquila
EDUCATION OTHER QUALIFICATIONS	Graduated in Medicine in 1984 Residency program in cardiology completed in 1988 Residency program in radiology completed in 1992
ACADEMIC APPOINTMENTS	Former president of the first cycle degree course in Imaging and Radiotherapy Techniques
CLINICAL APPOINTMENTS	Head of the Department of Radiology at the San Salvatore Hospital
TEACHING EXPERIENCE	Teaching activities in first- and second-cycle degree courses in Medicine, Dentistry, Biomedical Engineering, and post-graduate specialization schools
RESEARCH ACTIVITIES	Cardiac Radiology with special focus on CT and MRI Diagnostic Oncology, CT, MRI, Echography and Echo-contrast RIS and PACS management systems
RESPONSIBILITY IN ACADEMIC ACTIVITIES	Former director of the post-graduate specialization school in Radiotherapy Director of the post-graduate specialization school in Radiodiagnosics



<p>EDITORIAL BOARD, EDITORIAL ACTIVITIES, SOCIETY MEMBERSHIP</p>	<p>President of the Cardioradiology College of the Italian Society of Radiology (SIRM) (2010-2012) Vice President of the European Cardioradiology Society (ESCR) (1999-2006) Member of the Scientific Board ESCR (1999-2007) Board Member of the Cardioradiology College of SIRM (2004-2008) Board Member of the Italian Society of Sports Cardiology (2001-2005) Member of the Working Group of the Italian Society of Cardiology (2004-2007) ESCR founding member (1999) Associate Editor of the Section NMR and X-Ray Images of The Italian Journal of Cardiology (1999) Scientific Board Member of the Italian Heart Journal (2000-2003) Scientific Board Member of the Journal of Ultrasounds as of 2007 Member of the Scientific Board of Medical Radiology Scientific board of the La Radiologia Medica, Editor of Cardiac Imaging (2006-2012) Reviewer for European Radiology, the European Journal of Radiology, Insight into Imaging, the American Journal of Radiology, La Radiologia Medica, Journal of Ultrasounds. Coordinator in 76 national and international educational and scientific events ECR cardiac subcommittees member 2002, 2003, 2004 Cardiac Subcommittee member at the Italian SIRM Conference in 2002 Chairman of the ESCR meeting in Gothenburg (Sweden) in 2001 Chairman of the ECR cardiac subcommittee in 2005 (Vienna) ESR Member as of 2000</p>
<p>SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS</p>	<p>Scopus Author ID: 7005713613 http://orcid.org: 0000-0002-0995-3081 (Hirsch (H) Index: 36; i10-Hirsch (H): 122; normalized Index, total number of quotes: 3,943; 219 documents)</p>
<p>SELECTED PUBLICATIONS</p>	<p>1: Di Cesare E, Moroni S, Bartoli J, Damizia M, Giubettini M, Koerner C, Krenn V, Musacchio A, Lavia P. Aurora B SUMOylation Is Restricted to Centromeres in Early Mitosis and Requires RANBP2. <i>Cells</i>. 2023 Jan 19;12(3):372. doi: 10.3390/cells12030372. PMID: 36766713; PMCID: PMC9913629.</p> <p>2: Bruno F, Tommasino E, Catalucci A, Pastorelli C, Borea F, Caldarelli G, Bellini M, Badini P, Mancini S, Santobuono C, Martino S, Pagliei V, Manco G, Cerone D, Pistoia F, Palumbo P, Arrigoni F, Di Cesare E, Marini C, Barile A, Splendiani A, Masciocchi C. Evaluation of Cerebral Volume Changes in Patients with Tremor Treated by MRgFUS Thalamotomy. <i>Life (Basel)</i>. 2022 Dec 21;13(1):16. doi: 10.3390/life13010016. PMID: 36675970; PMCID: PMC9865014.</p> <p>3: Bruno F, Marrelli A, Tommasino E, Martinese G, Gagliardi A, Pertici L,</p>



Pagliei V, Palumbo P, Arrigoni F, Di Cesare E, Barile A, Masciocchi C, Splendiani A. Advanced MRI imaging of nerve roots in lumbar radiculopathy due to discoradicular conflict: DWI, DTI, and T2 mapping with clinical and neurophysiological correlations. *Radiol Med.* 2022 Nov;127(11):1270-1276. doi: 10.1007/s11547-022-01550-0. Epub 2022 Sep 9. PMID: 36085398.

4: Bruno F, Tommasino E, Catalucci A, Piccin V, Innocenzi A, Carugno ME, Colarieti F, Pertici L, Di Gioia A, D'Alessandro C, Fagotti C, Sucapane P, Pistoia F, Palumbo P, Arrigoni F, Di Cesare E, Marini C, Barile A, Splendiani A, Masciocchi C. Cerebello-Thalamo-Cortical MR Spectroscopy in Patients with Essential Tremor Undergoing MRgFUS Thalamotomy: A Pilot Study. *Life (Basel).* 2022 Oct 29;12(11):1741. doi: 10.3390/life12111741. PMID: 36362896; PMCID: PMC9698245.

5: Monti R, Martinese A, Bonadonna G, Rocco MP, Simonetti I, Arrigoni F, Palumbo P, Bruno F, Granata V, Fusco R, Splendiani A, Di Cesare E, Giovagnoni A, Grassi R, Miele V, Masciocchi C, Barile A. Degenerative and inflammatory musculoskeletal disorders: updates and hot topics in diagnostic and interventional imaging. *Eur Rev Med Pharmacol Sci.* 2022 Oct;26(19):6958-6971. doi: 10.26355/eurrev_202210_29877. PMID: 36263576.

6: Palumbo P, Cannizzaro E, Palumbo MM, Di Cesare A, Bruno F, Acanfora C, Arceri A, Evangelista L, Arrigoni F, Grassi F, Grassi R, Pradella S, Miele V, Giovagnoni A, Splendiani A, Barile A, Masciocchi C, Di Cesare E. Heart Failure and Cardiomyopathies: CT and MR from Basics to Advanced Imaging. *Diagnostics (Basel).* 2022 Sep 23;12(10):2298. doi:10.3390/diagnostics12102298. PMID: 36291987; PMCID: PMC9600644.

7: Bruno F, Carboni N, Palumbo P, Arrigoni F, Varrassi M, Izzo A, Catallo N, Di Cesare E, Masciocchi C, Splendiani A, Giovagnoni A, Barile A. O₂-O₃ chemodiscolysis: How much, how long? Retrospective outcome evaluation of different treatment sessions in partially-responder patients. *Interv Neuroradiol.* 2022 Aug;28(4):433-438. doi: 10.1177/15910199211039914. Epub 2021 Sep 13. PMID: 34516319; PMCID: PMC9326869.

8: Palumbo P, Cannizzaro E, Bracci A, Bruno F, Arrigoni F, Splendiani A, Danti G, Cozzi D, Pradella S, Grassi F, Grassi R, Dell'Aversana F, Brunese MC, Cutolo C, Ravo L, Fusco R, Galdiero R, Granata V, Masciocchi C, Di Cesare E. Thoracic non-traumatic cardiovascular diseases: current perspective and multi-detectors Computed Tomography protocols optimization in the emergency setting. *Eur Rev Med Pharmacol Sci.* 2022 May;26(10):3621-3641. doi: 10.26355/eurrev_202205_28858. PMID: 35647844.



- 9: Palumbo P, Ruscitti P, Cannizzaro E, Berardicurti O, Conforti A, Di Cesare A, Di Cola I, Giacomelli R, Splendiani A, Barile A, Masciocchi C, Cipriani P, Di Cesare E. Unenhanced Cardiac Magnetic Resonance may improve detection and prognostication of an occult heart involvement in asymptomatic patients with systemic sclerosis. *Sci Rep.* 2022 Mar 24;12(1):5125. doi: 10.1038/s41598-022-09064-5. PMID: 35332224; PMCID: PMC8948177.
- 10: Palumbo P, Cannizzaro E, Di Cesare A, Bruno F, Arrigoni F, Splendiani A, Barile A, Masciocchi C, Di Cesare E. Stress Perfusion Cardiac Magnetic Resonance in Long-Standing Non-Infarcted Chronic Coronary Syndrome with Preserved Systolic Function. *Diagnostics (Basel).* 2022 Mar 23;12(4):786. doi: 10.3390/diagnostics12040786. PMID: 35453834; PMCID: PMC9031407.
- 11: Bruno F, Granata V, Cobiachi Bellisari F, Sgalambro F, Tommasino E, Palumbo P, Arrigoni F, Cozzi D, Grassi F, Brunese MC, Pradella S, di S Stefano MLM, Cutolo C, Di Cesare E, Splendiani A, Giovagnoni A, Miele V, Grassi R, Masciocchi C, Barile A. Advanced Magnetic Resonance Imaging (MRI) Techniques: Technical Principles and Applications in Nanomedicine. *Cancers (Basel).* 2022 Mar 23;14(7):1626. doi: 10.3390/cancers14071626. PMID: 35406399; PMCID: PMC8997011.
- 12: Palumbo P, Masedu F, De Cataldo C, Cannizzaro E, Bruno F, Pradella S, Arrigoni F, Valenti M, Splendiani A, Barile A, Giovagnoni A, Masciocchi C, Di Cesare E. Real-world clinical validity of cardiac magnetic resonance tissue tracking in primitive hypertrophic cardiomyopathy. *Radiol Med.* 2021 Dec;126(12):1532-1543. doi: 10.1007/s11547-021-01432-x. Epub 2021 Dec 11. PMID: 34894317.
- 13: Palumbo P, Palumbo MM, Bruno F, Picchi G, Iacopino A, Acanfora C, Sgalambro F, Arrigoni F, Ciccullo A, Cosimini B, Splendiani A, Barile A, Masedu F, Grimaldi A, Di Cesare E, Masciocchi C. Automated Quantitative Lung CT Improves Prognostication in Non-ICU COVID-19 Patients beyond Conventional Biomarkers of Disease. *Diagnostics (Basel).* 2021 Nov 16;11(11):2125. doi: 10.3390/diagnostics11112125. PMID: 34829472; PMCID: PMC8624922.
- 14: Tommasino E, Bruno F, Catalucci A, Varrassi M, Sucapane P, Cerone D, Pistoia F, Di Cesare E, Barile A, Ricci A, Marini C, Masciocchi C, Splendiani A. Prognostic value of brain tissues' volumes in patients with essential tremor treated with MRgFUS thalamotomy. *J Clin Neurosci.* 2021 Oct;92:33-38. doi: 10.1016/j.jocn.2021.07.051. Epub 2021 Aug 3. PMID: 34509258.
- 15: Sgalambro F, Giordano AV, Carducci S, Varrassi M, Perri M, Arrigoni F, Palumbo P, Bruno F, Bardi L, Mangoni di S Stefano ML, Danti G, Gentili F, Mazzei MA, Di Cesare E, Splendiani A, Masciocchi C, Barile A. The role of interventional radiology in hepatic and renal hemorrhage embolization:



single center experience and literature review. *Acta Biomed.* 2021 Sep 10;92(S5):e2021405. doi: 10.23750/abm.v92iS5.11876. PMID: 34505844; PMCID: PMC8477065.

16: Pagliei V, Bruno F, Battista G, Iacopino A, Riva C, Arrigoni F, Palumbo P, Bardi L, Carbone M, Di Cesare E, Masciocchi C, Splendiani A, Barile A. Cervical spine trauma: impact of different imaging classification systems in the clinical decision-making. *Acta Biomed.* 2021 Sep 10;92(S5):e2021404. doi: 10.23750/abm.v92iS5.11877. PMID: 34505843; PMCID: PMC8477063.

17: Palumbo P, Daffinà J, Bruno F, Arrigoni F, Splendiani A, Di Cesare E, Barile A, Masciocchi C. Basics in Magnetic Resonance guided Focused Ultrasound: technical basis and clinical application. A brief overview. *Acta Biomed.* 2021 Sep 10;92(S5):e2021403. doi: 10.23750/abm.v92iS5.11881. PMID: 34505842; PMCID: PMC8477067.

18: Evangelista L, Giuliani L, Pagliei V, Varrassi M, Bruno F, Palumbo P, Arrigoni F, Splendiani A, Di Cesare E, Masciocchi C, Barile A. When to perform vertebroplasty? A retrospective analysis from a single center and a review of the literature. *Acta Biomed.* 2021 Sep 10;92(S5):e2021402. doi: 10.23750/abm.v92iS5.11955. PMID: 34505841; PMCID: PMC8477064.

19: Bruno F, Catalucci A, Arrigoni F, Gagliardi A, Campanozzi E, Corridore A, Tommasino E, Pagliei V, Pertici L, Palumbo P, Sucapane P, Cerone D, Pistoia F, Di Cesare E, Barile A, Ricci A, Marini C, Splendiani A, Masciocchi C. Comprehensive Evaluation of Factors Affecting Tremor Relapse after MRgFUS Thalamotomy: A Case-Control Study. *Brain Sci.* 2021 Sep 9;11(9):1183. doi:10.3390/brainsci11091183. PMID: 34573204; PMCID: PMC8472207.

20: Cobianchi Bellisari F, De Marino L, Arrigoni F, Mariani S, Bruno F, Palumbo P, De Cataldo C, Sgalambro F, Catallo N, Zugaro L, Di Cesare E, Splendiani A, Masciocchi C, Giovagnoni A, Barile A. T2-mapping MRI evaluation of patellofemoral cartilage in patients submitted to intra-articular platelet-rich plasma (PRP) injections. *Radiol Med.* 2021 Aug;126(8):1085-1094. doi: 10.1007/s11547-021-01372-6. Epub 2021 May 18. PMID: 34008045; PMCID: PMC8292236.

21: Francone M, Aquaro GD, Barison A, Castelletti S, de Cobelli F, de Lazzari M, Esposito A, Focardi M, di Renzi P, Indolfi C, Lanzillo C, Lovato L, Maestrini V, Mercurio G, Natale L, Mantini C, Polizzi G, Rabbat M, Secchi F, Secinaro A, di Cesare E, Pontone G. Appropriate use criteria for cardiovascular MRI: SIC – SIRM position paper Part 2 (myocarditis, pericardial disease, cardiomyopathies and valvular heart disease). *J Cardiovasc Med (Hagerstown).* 2021 Jul 1;22(7):515-529. doi: 10.2459/JCM.0000000000001170. PMID: 34076599.

22: Varrassi M, Bellisari FC, De Donato MC, Tommasino E, Di Sibio A, Bruno F, Di Vitantonio H, Splendiani A, Di Cesare E, Masciocchi C. Intracranial ependymomas: The role of advanced neuroimaging in diagnosis



and management. *Neuroradiol J.* 2021 Apr;34(2):80-92. doi: 10.1177/1971400921990770. Epub 2021 Feb 1. PMID: 33525963; PMCID: PMC8041404.

23: Pontone G, Di Cesare E, Castelletti S, De Cobelli F, De Lazzari M, Esposito A, Focardi M, Di Renzi P, Indolfi C, Lanzillo C, Lovato L, Maestrini V, Mercurio G, Natale L, Mantini C, Polizzi A, Rabbat M, Secchi F, Secinaro A, Aquaro GD, Barison A, Francone M. Appropriate use criteria for cardiovascular magnetic resonance imaging (CMR): SIC-SIRM position paper part 1 (ischemic and congenital heart diseases, cardio-oncology, cardiac masses and heart transplant). *Radiol Med.* 2021 Mar;126(3):365-379. doi: 10.1007/s11547-020-01332-6. Epub 2021 Feb 24. PMID: 33629237; PMCID: PMC7937599.

24: Varrassi M, Corridore A, Tommasino E, Saltelli G, Bruno F, Di Sibio A, Splendiani A, Di Cesare E, Masciocchi C. Correction to: MR imaging of cerebral involvement of Rosai-Dorfman disease: a single-centre experience with review of the literature. *Radiol Med.* 2021 Mar;126(3):503. doi: 10.1007/s11547-020-01257-0. Erratum for: *Radiol Med.* 2021 Jan;126(1):89-98. PMID: 32809174.

25: Di Cesare E, Carerj S, Palmisano A, Carerj ML, Catapano F, Vignale D, Di Cesare A, Milanese G, Sverzellati N, Francone M, Esposito A. Multimodality imaging in chronic heart failure. *Radiol Med.* 2021 Feb;126(2):231-242. doi: 10.1007/s11547-020-01245-4. Epub 2020 Jul 16. PMID: 32676875.

26: Bruno F, Splendiani A, Tommasino E, Conson M, Quarantelli M, Saporito G, Carolei A, Sacco S, Di Cesare E, Barile A, Masciocchi C, Pistoia F. Multimodal MRI Assessment of Thalamic Structural Changes in Earthquake Survivors. *Diagnostics (Basel).* 2021 Jan 4;11(1):70. doi: 10.3390/diagnostics11010070. PMID: 33406665; PMCID: PMC7824088.

27: Varrassi M, Corridore A, Tommasino E, Saltelli G, Bruno F, Di Sibio A, Splendiani A, Di Cesare E, Masciocchi C. MR imaging of cerebral involvement of Rosai-Dorfman disease: a single-centre experience with review of the literature. *Radiol Med.* 2021 Jan;126(1):89-98. doi: 10.1007/s11547-020-01226-7. Epub 2020 May 26. Erratum in: *Radiol Med.* 2020 Aug 18; PMID: 32458270.

L'AQUILA, 5 MARZO 2024