

# Tommaso D'Angelo

**Nationality:** Italian    **Date of birth:** 22/10/1987

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## EDUCATION AND TRAINING

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### Ph.D. Candidate in Bioengineering Applied to Medical Sciences

*University of Messina* [ 2019 – Current ]

**Address:** Messina (Italy)

### Diagnostic Radiology Residency - Magna cum laude

*University of Messina* [ 2012 – 6 Jul 2017 ]

**Address:** Messina (Italy)

**Thesis :** High-throughput gadobutrol-enhanced CMR: a time and dose optimization study

### Clinical Fellow

*Erasmus MC, University of Rotterdam* [ Oct 2021 – Apr 2022 ]

**Address:** Rotterdam (The Netherlands)

Training in cardiovascular imaging (supervisors: Prof. Ricardo Budde and Alexander Hirsch)

### Clinical Fellow

*Universitätsklinikum Erlangen* [ May 2017 – May 2017 ]

**Address:** Erlangen (Germany)

Training in cardiovascular imaging (supervisors: Prof. Mohammed Marwan and Stefan Achenbach)

### Clinical Fellow

*Deutsches Herzzentrum - Charité* [ Apr 2017 – Apr 2017 ]

**Address:** Berlin (Germany)

Training in cardiovascular imaging (supervisor: Prof. Sebastian Kelle)

### Clinical & Research Fellow

*Universitätsklinikum Frankfurt* [ 2016 – 2017 ]

**Address:** Frankfurt am Main (Germany)

Training in cardiovascular imaging (supervisor: Prof. Eike Nagel)

### Clinical Fellow

*Vita-Salute San Raffaele University Hospital* [ Feb 2015 – Nov 2015 ]

**Address:** Milan (Italy)

Training in ultrasound imaging (supervisor: Prof. Giuseppe Balconi)

### Clinical Fellow

*Turun yliopistollinen keskussairaala (Turku University Hospital)* [ Aug 2011 – Oct 2011 ]

**Address:** Turku (Finland)

"Hands-on" training in interventional radiology and SPECT and PET imaging (supervisors: Prof. Arto Haapanen and Marko Seppanen)

### Clinical Fellow

*CHUV - Centre Hospitalier Universitaire Vaudois* [ Oct 2010 – Nov 2010 ]

**Address:** Lausanne (Switzerland)

Training in cardiovascular and oncologic imaging (supervisor: Prof. Reto Meuli)

### Clinical Fellow

*Virginia Commonwealth University* [ Aug 2010 – Sep 2010 ]

**Address:** Richmond, VA (United States)

Training in thoracic and pediatric imaging (supervisors: Prof. Mark S. Parker and Lakshmana Narla)

### Clinical Fellow

*Universitätsklinikum Freiburg - Herzzentrum* [ Sep 2009 – Nov 2009 ]

**Address:** Freiburg (Germany)

Training in cardiovascular surgery (supervisor: Prof. Friedhelm Beyersdorf)

## WORK EXPERIENCE

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### Radiologist - Cardiovascular Imaging Expert

*University Hospital Messina - Policlinico "G. Martino"* [ Dec 2017 – Current ]

**Address:** Messina (Italy) - [www.polime.it](http://www.polime.it)

**City:** Messina

**Country:** Italy

## LICENSES, CERTIFICATIONS

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**Level 3 Competence in Cardiovascular Magnetic Resonance (SCMR)**

[ 2017 ]

**Level 3 Competence in Cardiovascular Magnetic Resonance (EACVI - ESC)**

[ 2018 ]

**Italian Diploma of Medical Ultrasound (SIUMB)**

[ 2015 ]

**Medical Licensure (Italy)**

[ 2012 ]

## NETWORKS AND MEMBERSHIPS

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### Member of the following scientific societies

2014-present SIRM (Società Italiana di Radiologia Medica)

2014-2019 SIUMB (Società Italiana di Ultrasonologia in Medicina e Biologia)

2015-present RSNA (The Radiological Society of North America)

2015-present ARRS (American Roentgen Ray Society)

2016-present ESR (European Society of Radiology)

2016-present ESCR (European Society of Cardiac Radiology) Young Club

2016-present ESC (European Society of Cardiology) - EACVI (European Association of Cardiovascular Imaging)

2016-present SCMR (Society for Cardiovascular Magnetic Resonance)

### Elected member

[ University of Messina, 2007 – 2010 ]

- Council of the School of Medicine in University of Messina
- Council of the Faculty of Medicine in University of Messina

## ACADEMIC SKILLS

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### Teaching

[ 2017 – Current ]

Oversaw and supervised medical students and residents in research projects, fellowships and theses.

### Peer-Reviewing

2015-present La Radiologia Medica

2016-present Academic Radiology

2018-present European Journal of Radiology

2018-present JACC:Cardiovascular Imaging

### Editorial Board Memberships

2020-present Heliyon (Associate Editor)

2021-present Journal of Clinical Ultrasound (Associate Editor)

2021-present European Radiology Experimental (Associate Editor)

## Publications

[ 2013 – Current ]

Co-author of 2 books, 3 book chapters and 75 scientific articles with H-index of 17 (Scopus).

### SCIENTIFIC ARTICLES:

1. Mazziotti S, D'Angelo T, Ascenti G, Blandino A. Facial abnormalities in Nablus mask-like facial syndrome: multidetector computed tomography findings. *J Oral Maxillofac Surg.* 2014 Aug;72(8):1579-84. doi: 10.1016/j.joms.2014.01.013. Epub 2014 Jan 23. PubMed PMID: 24815794.
2. Gaeta M, Benedetto C, Minutoli F, D'Angelo T, Amato E, Mazziotti S, Racchiusa S, Mormina E, Blandino A, Pergolizzi S. Use of diffusion-weighted, intravoxel incoherent motion, and dynamic contrast-enhanced MR imaging in the assessment of response to radiotherapy of lytic bone metastases from breast cancer. *Acad Radiol.* 2014 Oct;21(10):1286-93. doi: 10.1016/j.acra.2014.05.021. Epub 2014 Aug 1. PubMed PMID: 25088834.
3. Mazziotti S, Pandolfo I, D'Angelo T, Mileto A, Visalli C, Racchiusa S, Blandino A, Ascenti G. Diagnostic approach to retromolar trigone cancer by multiplanar computed tomography reconstructions. *Can Assoc Radiol J.* 2014 Nov;65(4):335-44. Doi: 10.1016/j.carj.2014.04.001. Epub 2014 Sep 26. Review. PubMed PMID: 25267376.
4. D'Angelo T, Blandino A, Ascenti G, Vinci S, Gaeta M, Mazziotti S. Solitary metastasis of renal cell carcinoma in infratemporal fossa. *Clin Imaging.* 2015 Jan-Feb;39(1):155-7. doi: 10.1016/j.clinimag.2014.07.013. Epub 2014 Aug 7. PubMed PMID: 25176195.
5. Mazziotti S, Blandino A, Gaeta M, Bottari A, Sofia C, D'Angelo T, Ascenti G. Postprocessing in Maxillofacial Multidetector Computed Tomography. *Can Assoc Radiol J.* 2015 Aug;66(3):212-22. doi: 10.1016/j.carj.2014.12.004. Epub 2015 May 20. Review. PubMed PMID: 26002181.
6. Costa C, Ascenti G, Scribano E, D'Angelo T, Gaeta M, Fenga C, Blandino A, Mazziotti S. CT patterns of pleuro-pulmonary damage caused by inhalation of pumice as a model of pneumoconiosis from non-fibrous amorphous silicates. *Radiol Med.* 2016 Jan;121(1):19-26. doi: 10.1007/s11547-015-0571-8. Epub 2015 Aug 1. PubMed PMID: 26231253
7. Mazziotti S, D'Angelo T, Racchiusa S, Salamone I, Blandino A, Ascenti G. Peritoneal inclusion cysts in patients affected by Crohn's disease: magnetic resonance enterography findings in a case series. *Clin Imaging.* 2016 Jan-Feb;40(1):152-5. doi: 10.1016/j.clinimag.2015.09.010. Epub 2015 Sep 18. PubMed PMID: 26456117.
8. Ascenti G, Sofia C, Mazziotti S, Silipigni S, D'Angelo T, Pergolizzi S, Scribano E. Dual-energy CT with iodine quantification in distinguishing between bland and neoplastic portal vein thrombosis in patients with hepatocellular carcinoma. *Clin Radiol.* 2016 Sep;71(9):938.e1-9. doi: 10.1016/j.crad.2016.05.002. Epub 2016 May 27. PubMed PMID: 27241866.
9. Booz C, Hofmann PC, Sedlmair M, Flohr TG, Schmidt B, D'Angelo T, Martin SS, Lenga L, Leithner D, Vogl TJ, Wichmann JL. Evaluation of bone mineral density of the lumbar spine using a novel phantomless dual-energy CT post-processing algorithm in comparison with dual-energy X-ray absorptiometry. *Eur Radiol Exp.* 2017;1(1):11. doi: 10.1186/s41747-017-0017-2. Epub 2017 Sep 20. PubMed PMID: 29708178; PubMed Central PMCID: PMC5909343.
10. D'Angelo T, Gallizzi R, Romano C, Cicero G, Mazziotti S. Magnetic Resonance Enterography Findings of Intestinal Behçet Disease in a Child. *Case Rep Radiol.* 2017;2017:8061648. doi: 10.1155/2017/8061648. Epub 2017 May 24. PubMed PMID: 28630777; PubMed Central PMCID: PMC5463125.
11. Cicero G, Blandino A, Ascenti G, D'Angelo T, Frosina L, Visalli C, Salamone I, Marino MA, Cavallaro M, Mazziotti S. Superinfection of a Dead Hepatic Echinococcal Cyst with a Cutaneous Fistulization. *Case Rep Radiol.* 2017;2017:9393462. doi: 10.1155/2017/9393462. Epub 2017 Oct 18. PubMed PMID: 29181218; PubMed Central PMCID: PMC5664247.
12. Mazziotti S, Cicero G, D'Angelo T, Marino MA, Visalli C, Salamone I, Ascenti G, Blandino A. Imaging and Management of Incidental Renal Lesions. *Biomed Res Int.* 2017;2017:1854027. doi: 10.1155/2017/1854027. Epub 2017 May 31. Review. PubMed PMID: 28642870; PubMed Central PMCID: PMC5470004.
13. D'Angelo T, Racchiusa S, Mazziotti S, Cicero G. Magnetic Resonance (MR) Cholangiopancreatography Demonstration of the Cystic Duct Entering the Right Hepatic Duct. *Am J Case Rep.* 2017 Mar 9;18:242-245. PubMed PMID: 28275221; PubMed Central PMCID: PMC5358839.

14. Lenga L, Albrecht MH, Othman AE, Martin SS, Leithner D, D'Angelo T, Arendt C, Scholtz JE, De Cecco CN, Schoepf UJ, Vogl TJ, Wichmann JL. Monoenergetic Dual-energy Computed Tomographic Imaging: Cardiothoracic Applications. *J Thorac Imaging*. 2017 May;32(3):151-158. doi: 10.1097/RTI.0000000000000259. Review. PubMed PMID: 28198752.
15. D'Angelo T, Mazziotti S, Ascenti G, Wichmann JL. Miscellaneous and Emerging Applications of Dual-Energy Computed Tomography for the Evaluation of Pathologies in the Head and Neck. *Neuroimaging Clin N Am*. 2017 Aug;27(3):469-482. doi: 10.1016/j.nic.2017.04.008. Epub 2017 Jun 7. Review. PubMed PMID: 28711206.
16. Martin SS, Wichmann JL, Scholtz JE, Leithner D, D'Angelo T, Weyer H, Booz C, Lenga L, Vogl TJ, Albrecht MH. Noise-Optimized Virtual Monoenergetic Dual-Energy CT Improves Diagnostic Accuracy for the Detection of Active Arterial Bleeding of the Abdomen. *J Vasc Interv Radiol*. 2017 Sep;28(9):1257-1266. doi: 10.1016/j.jvir.2017.06.011. Epub 2017 Jul 19. PubMed PMID: 28734847.
17. Martin SS, Wichmann JL, Weyer H, Albrecht MH, D'Angelo T, Leithner D, Lenga L, Booz C, Scholtz JE, Bodelle B, Vogl TJ, Hammerstingl R. Dual-energy computed tomography in patients with cutaneous malignant melanoma: Comparison of noise-optimized and traditional virtual monoenergetic imaging. *Eur J Radiol*. 2017 Oct;95:1-8. doi: 10.1016/j.ejrad.2017.07.017. Epub 2017 Jul 21. PubMed PMID: 28987652.
18. D'Angelo T, Nagel E. Overcoming the difficulties to adequately detect myocardial ischaemia in women. *Eur Heart J Cardiovasc Imaging*. 2017 Oct 1;18(10):1107-1108. doi: 10.1093/ehjci/jex195. PubMed PMID: 28984892.
19. D'Angelo T, Grigoratos C, Mazziotti S, Bratis K, Pathan F, Blandino A, Elen E, Puntmann VO, Nagel E. High-throughput gadobutrol-enhanced CMR: a time and dose optimization study. *J Cardiovasc Magn Reson*. 2017 Nov 6;19(1):83. doi:10.1186/s12968-017-0400-4. PubMed PMID: 29110679; PubMed Central PMCID: PMC5674223.
20. Martin SS, Wichmann JL, Pfeifer S, Leithner D, Lenga L, Reynolds MA, D'Angelo T, Hammerstingl R, Gruber-Rouh T, Vogl TJ, Albrecht MH. Impact of noise-optimized virtual monoenergetic dual-energy computed tomography on image quality in patients with renal cell carcinoma. *Eur J Radiol*. 2017 Dec;97:1-7. doi: 10.1016/j.ejrad.2017.10.008. Epub 2017 Oct 6. PubMed PMID: 29153358.
21. Leithner D, Mahmoudi S, Wichmann JL, Martin SS, Lenga L, Albrecht MH, Booz C, Arendt CT, Beeres M, D'Angelo T, Bodelle B, Vogl TJ, Scholtz JE. Evaluation of virtual monoenergetic imaging algorithms for dual-energy carotid and intracerebral CT angiography: Effects on image quality, artefacts and diagnostic performance for the detection of stenosis. *Eur J Radiol*. 2018 Feb;99:111-117. doi: 10.1016/j.ejrad.2017.12.024. Epub 2017 Dec 30. PubMed PMID: 29362140.
22. Puntmann VO, Carr-White G, Jabbour A, Yu CY, Gebker R, Kelle S, Rolf A, Zitzmann S, Peker E, D'Angelo T, Pathan F, Elen, Valbuena S, Hinojar R, Arendt C, Narula J, Herrmann E, Zeiher AM, Nagel E; International T1 Multicentre CMR Outcome Study. Native T1 and ECV of Noninfarcted Myocardium and Outcome in Patients With Coronary Artery Disease. *J Am Coll Cardiol*. 2018 Feb 20;71(7):766-778. doi: 10.1016/j.jacc.2017.12.020. PubMed PMID: 29447739.
23. D'Angelo T, Vogl TJ, Wichmann JL. From low-dose to no-dose: thin-section magnetic resonance imaging for evaluation of pulmonary nodules. *J Thorac Dis*. 2018 Apr;10(Suppl 9):S1055-S1057. doi: 10.21037/jtd.2018.04.65. PubMed PMID: 29850184; PubMed Central PMCID: PMC5949426.
24. D'Angelo T, Bucher AM, Lenga L, Arendt CT, Peterke JL, Caruso D, Mazziotti S, Blandino A, Ascenti G, Othman AE, Martin SS, Leithner D, Vogl TJ, Wichmann JL. Optimisation of window settings for traditional and noise-optimised virtual monoenergetic imaging in dual-energy computed tomography pulmonary angiography. *Eur Radiol*. 2018 Apr;28(4):1393-1401. doi: 10.1007/s00330-017-5059-6. Epub 2017 Oct 10. PubMed PMID: 29018926.
25. Cicero G, D'Angelo T, Bottari A, Costantino G, Visalli C, Racchiusa S, Marino MA, Cavallaro M, Frosina L, Blandino A, Mazziotti S. Superior Mesenteric Artery Syndrome in Patients with Crohn's Disease: A Description of 2 Cases Studied with a Novel Magnetic Resonance Enterography (MRE) Procedure. *Am J Case Rep*. 2018 Apr 12;19:431-437. PubMed PMID: 29643328; PubMed Central PMCID: PMC5912011.
26. Cicero G, D'angelo T, Racchiusa S, Salamone I, Visalli C, Bottari A, Blandino A, Mazziotti S. Cross-sectional Imaging of Parotid Gland Nodules: A Brief Practical Guide. *J Clin Imaging Sci*. 2018 Apr 16;8:14. doi: 10.4103/jcis.JCIS\_8\_18. eCollection 2018. Review. PubMed PMID: 29770262; PubMed Central PMCID: PMC5939036.
27. Frellesen C, Azadegan M, Martin SS, Otani K, D'Angelo T, Booz C, Eichler K, Panahi B, Kaup M, Bauer RW, Vogl TJ, Wichmann JL. Dual-Energy Computed Tomography-Based Display of Bone Marrow Edema in Incidental

- Vertebral Compression Fractures: Diagnostic Accuracy and Characterization in Oncological Patients Undergoing Routine Staging Computed Tomography. *Invest Radiol.* 2018 Jul;53(7):409-416. doi: 10.1097/RLI.0000000000000458. PubMed PMID: 29489560.
28. Cicero G, Blandino A, D'Angelo T, Bottari A, Cavallaro M, Ascenti G, Mazziotti S. Magnetic resonance enterography appraisal of lupus enteritis: A case report. *Radiol Case Rep.* 2018 Jul 11;13(5):915-919. doi: 10.1016/j.radcr.2018.06.008. eCollection 2018 Oct. PubMed PMID: 30069281; PubMed Central PMCID: PMC6068334.
29. Kaltenbach B, Wichmann JL, Pfeifer S, Albrecht MH, Booz C, Lenga L, Hammerstingl R, D'Angelo T, Vogl TJ, Martin SS. Iodine quantification to distinguish hepatic neuroendocrine tumor metastasis from hepatocellular carcinoma at dual-source dual-energy liver CT. *Eur J Radiol.* 2018 Aug;105:20-24. doi: 10.1016/j.ejrad.2018.05.019. Epub 2018 May 19. PubMed PMID: 30017280.
30. Lenga L, Czwikla R, Wichmann JL, Leithner D, Albrecht MH, Booz C, Arendt CT, Yel I, D'Angelo T, Vogl TJ, Martin SS. Dual-energy CT in patients with colorectal cancer: Improved assessment of hypoattenuating liver metastases using noise-optimized virtual monoenergetic imaging. *Eur J Radiol.* 2018 Sep;106:184-191. doi: 10.1016/j.ejrad.2018.07.027. Epub 2018 Jul 31. PubMed PMID: 30150043.
31. Lenga L, Czwikla R, Wichmann JL, Leithner D, Albrecht MH, D'Angelo T, Arendt CT, Booz C, Hammerstingl R, Vogl TJ, Martin SS. Dual-energy CT in patients with abdominal malignant lymphoma: impact of noise-optimised virtual monoenergetic imaging on objective and subjective image quality. *Clin Radiol.* 2018 Sep;73(9):833.e19-833.e27. doi: 10.1016/j.crad.2018.04.015. Epub 2018 Jun 5. PubMed PMID: 29884524.
32. Arendt CT, Leithner D, Lenga L, Wichmann JL, Albrecht MH, Czwikla R, Varga-Szemes A, D'Angelo T, Martin SS, Thalhammer A, Nagel E, Vogl TJ, Gruber-Rouh T. Multi-observer comparison study between unenhanced quiescent-interval single-shot magnetic resonance angiography and invasive carbon dioxide angiography in patients with peripheral arterial disease and chronic renal insufficiency. *Eur J Radiol.* 2018 Nov;108:140-146. doi: 10.1016/j.ejrad.2018.09.029. Epub 2018 Sep 28. PubMed PMID: 30396647.
33. Martin SS, Trapp F, Wichmann JL, Albrecht MH, Lenga L, Durden J, Booz C, Vogl TJ, D'Angelo T. Dual-energy CT in early acute pancreatitis: improved detection using iodine quantification. *Eur Radiol.* 2018 Nov 28. doi: 10.1007/s00330-018-5844-x. [Epub ahead of print] PubMed PMID: 30488112.
34. Haslbauer JD, Lindner S, Valbuena-Lopez S, Zainal H, Zhou H, D'Angelo T, Pathan F, Arendt CA, Bug G, Serve H, Vogl TJ, Zeiher AM, Carr-White G, Nagel E, Puntmann VO. CMR imaging biosignature of cardiac involvement due to cancer-related treatment by T1 and T2 mapping. *Int J Cardiol.* 2019 Jan 15;275:179-186. doi: 10.1016/j.ijcard.2018.10.023. Epub 2018 Oct 11. PubMed PMID: 30360992.
35. Lenga L, Trapp F, Albrecht MH, Wichmann JL, Johnson AA, Yel I, D'Angelo T, Booz C, Vogl TJ, Martin SS. Single- and dual-energy CT pulmonary angiography using second- and third-generation dual-source CT systems: comparison of radiation dose and image quality. *Eur Radiol.* 2019 Jan 21. doi: 10.1007/s00330-018-5982-1. [Epub ahead of print] PubMed PMID: 30666446.
36. Lenga L, Leithner D, Peterke JL, Albrecht MH, Gudauskas T, D'Angelo T, Booz C, Hammerstingl R, Vogl TJ, Martin SS, Wichmann JL. Comparison of Radiation Dose and Image Quality of Contrast-Enhanced Dual-Source CT of the Chest: Single-Versus Dual-Energy and Second-Versus Third-Generation Technology. *AJR Am J Roentgenol.* 2019 Jan 30;1-7. doi: 10.2214/AJR.18.20065. [Epub ahead of print] PubMed PMID: 30699006.
37. Booz C, Nöske J, Martin SS, Albrecht MH, Yel I, Lenga L, Gruber-Rouh T, Eichler K, D'Angelo T, Vogl TJ, Wichmann JL. Virtual Noncalcium Dual-Energy CT: Detection of Lumbar Disk Herniation in Comparison with Standard Gray-scale CT. *Radiology.* 2019 Feb;290(2):446-455. doi: 10.1148/radiol.2018181286. Epub 2018 Dec 4. PubMed PMID: 30615548.
38. D'Angelo T, Cicero G, Mazziotti S, Ascenti G, Albrecht MH, Martin SS, Othman AE, Vogl TJ, Wichmann JL. Dual-Energy Computed Tomography Virtual Monoenergetic Imaging: Technique and Clinical Applications. *Br J Radiol.* 2019 Apr 9. doi: 10.1259/bjr.20180546. PubMed PMID: 30919651.
39. Elen E, D'Angelo T, Tjubandi A, Raharjo SB. A rare case of superior vena cava lipoma: its presentation from non-invasive examination. *Eur Heart J Cardiovasc Imaging.* 2019 Apr 25; pii:jex085. doi: 10.1093/ehjci/jez085. PubMed PMID: 31329824.

40. D'Angelo T, Mazziotti S, Inserra MC, De Luca F, Agati S, Magliolo E, Pathan F, Blandino A, Romeo P. Cardiac Inflammatory Myofibroblastic Tumor. *Circ Cardiovasc Imaging*. 2019 Sep 10; doi: 10.1161/CIRCIMAGING.119.009443. PubMed PMID: 31500449.
41. Lenga L, Lange M, Arendt CT, Booz C, Yel I, Bodelle B, D'Angelo T, Hammerstingl RM, Huizinga NA, Vogl TJ, Martin SS, Albrecht MH. Measurement Reliability and Diagnostic Accuracy of Virtual Monoenergetic Dual-Energy CT in Patients with Colorectal Liver Metastases. *Acad Radiol*. 2019 Nov 11. pii: S1076-6332(19)30453-2. doi: 10.1016/j.acra.2019.09.020. PubMed PMID: 31727567.
42. Heinke R, Pathan F, Le M, D'Angelo T, Winau L, Arendt C, Vogl TJ, Zeiher A, Nagel E, Puntmann VO. Towards standardized postprocessing of global longitudinal strain by feature tracking - OptiStrain CMR-FT study. *BMC Cardiovasc Disord*. 2019 Nov 27;19(1):267. doi: 10.1186/s12872-019-1255-4. PubMed PMID: 31775656.
43. Arendt CT, Czwikla R, Lenga L, Wichmann JL, Albrecht MH, Booz C, Martin SS, Leithner D, Tischendorf P, Blandino A, Vogl TJ, D'Angelo T. Improved coronary artery contrast enhancement using noise-optimised virtual monoenergetic imaging from dual-source dual-energy computed tomography. *Eur J Radiol*. 2019 Sep 14;122:108666. doi: 10.1016/j.ejrad.2019.108666. PubMed PMID: 31786506
44. Cicero G, Mondello S, Wichmann JL, Albrecht MH, Vogl TJ, Cavallaro M, Frosina L, D'Angelo T, Mazziotti S. Fast Magnetic Resonance Enterography Protocol for the Evaluation of Patients with Crohn's Disease: A Pilot Study. *J Clin Imaging Sci*. 2020 May 2;10:25. doi: 10.25259/JCIS\_18\_2020. PMID: 32363087; PMCID: PMC7193210.
45. Le MTP, Zarinabad N, D'Angelo T, Mia I, Heinke R, Vogl TJ, Zeiher A, Nagel E, Puntmann VO. Sub-segmental quantification of single (stress)-pass perfusion CMR improves the diagnostic accuracy for detection of obstructive coronary artery disease. *J Cardiovasc Magn Reson*. 2020 Feb 6;22(1):14. doi: 10.1186/s12968-020-0600-1. PMID: 32028980; PMCID: PMC7006214.
46. Booz C, Yel I, Wichmann JL, Boettger S, Al Kamali A, Albrecht MH, Martin SS, Lenga L, Huizinga NA, D'Angelo T, Cavallaro M, Vogl TJ, Bodelle B. Artificial intelligence in bone age assessment: accuracy and efficiency of a novel fully automated algorithm compared to the Greulich-Pyle method. *Eur Radiol Exp*. 2020 Jan 28;4(1):6. doi: 10.1186/s41747-019-0139-9. PMID: 31993795; PMCID: PMC6987270.
47. Cicero G, Ascenti G, Albrecht MH, Blandino A, Cavallaro M, D'Angelo T, Carerj ML, Vogl TJ, Mazziotti S. Extra-abdominal dual-energy CT applications: a comprehensive overview. *Radiol Med*. 2020 Apr;125(4):384-397. doi: 10.1007/s11547-019-01126-5. Epub 2020 Jan 10. PMID: 31925704.
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51. Mia I, Le M, Arendt C, Brand D, Bremekamp S, D'Angelo T, Puntmann VO, Nagel E. Quantitative perfusion-CMR is significantly influenced by the placement of the arterial input function. *Int J Cardiovasc Imaging*. 2021 Mar;37(3):1023-1031. doi: 10.1007/s10554-020-02049-3. Epub 2020 Oct 12. PMID: 33047177; PMCID: PMC7969553.
52. Cicero G, Ascenti G, Blandino A, Pallio S, Abate C, D'Angelo T, Mazziotti S. Magnetic Resonance Imaging of the Anal Region: Clinical Applications. *J Clin Imaging Sci*. 2020 Nov 21;10:76. doi: 10.25259/JCIS\_180\_2020. PMID: 33274120; PMCID: PMC7708963.
53. Booz C, Vogl TJ, Joseph Schoepf U, Caruso D, Inserra MC, Yel I, Martin SS, Bucher AM, Lenga L, Caudo D, Schreckenbach T, Schoell N, Huegel C, Stratmann J, Vasa-Nicotera M, Rachovitsky-Duarte DE, Laghi A, De Santis D, Mazziotti S, D'Angelo T, Albrecht MH. Value of minimum intensity projections for chest CT in COVID-19 patients. *Eur J Radiol*. 2021 Feb;135:109478. doi: 10.1016/j.ejrad.2020.109478. Epub 2020 Dec 14. PMID: 33360269; PMCID: PMC7831963.

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#### SCIENTIFIC MEETINGS (*moderations, oral presentations, abstracts, posters*):

1. **D'Angelo T.** Imaging nella stipsi. Stipsi – Corso di Formazione SIGM: Corretta diagnosi e trattamento 2014, Messina, ITALY – **oral presentation**
2. **D'Angelo T.** Nablus-mask-like Facial Syndrome. Convegno Nazionale della Sezione di Radiologia Odontostomatologica e Capo-Collo SIRM 2015, Bologna, ITALY – **oral presentation**
3. **D'Angelo T.** Sindrome della maschera facciale di Nablus-simile. 41° Congresso Regionale SIRM Sicilia 2015, Siracusa, ITALY – **oral presentation**
4. Silipigni S, Tessitore A, D'Angelo T, et al. Calcolo Del Centrality Index Mediante L'utilizzo Di Immagini 3d Volume Rendering In Pazienti Con Una Massa Renale. 47° Congresso Nazionale SIRM 2016. Napoli, ITALY
5. Sofia C, D'Angelo T, Cinquegrani A, et al. La quantificazione dello iodio con TC Dual-Energy nella distinzione tra trombosi blanda e neoplastica della vena porta nei pazienti con carcinoma epatocellulare. 47° Congresso Nazionale SIRM 2016, Napoli, ITALY
6. D'Angelo T, Cicero G, Visalli C, et al. Ruolo Dell'entero-Rm Nello Studio delle Complicanze Extraintestinali Della Malattia di Crohn. 47° Congresso Nazionale SIRM 2016, Napoli, ITALY
7. Blandino A, Cinquegrani A, Garufi A, Magnano S, Lio V, Marino MA, D'Angelo T. Vie urinarie e Vescica. In: *Corso monotematico* Imaging nel Post-Operatorio. 47° Congresso Nazionale SIRM 2016, Napoli, ITALY
8. Cilona S, Trecroci I, D'Angelo T, et al. Post-processing nello studio TC del massiccio facciale. 47° Congresso Nazionale SIRM 2016, Napoli, ITALY
9. D'Angelo T, Mazziotti S, Pathan F, et al. CMR Cine-Imaging before and after contrast administration? Excellence Cluster Cardio-pulmonary System Symposium (June 7<sup>th</sup>-8<sup>th</sup>) 2017, Bad Nauheim, GERMANY
10. **D'Angelo T, Mazziotti S, Blandino A, et al.** What Is the Optimal Dose Of Gadobutrol For Late Gadolinium Enhancement Imaging: A Dose And Time Optimization Study. European Congress of Cardiovascular Magnetic Resonance (EuroCMR) 2017, Prague, CZECH REPUBLIC – **oral presentation**
11. **D'Angelo T, Mazziotti S, Blandino A, et al.** Cardiovascular MR Cine-Imaging before or after contrast administration. European Congress of Cardiovascular Magnetic Resonance (EuroCMR) 2017, Prague, CZECH REPUBLIC – **oral presentation**
12. Winau L, Hinojar R, D'Angelo T, et al. Association between aortic stiffness and myocardial native T1 is stronger in the presence of active myocardial inflammation. European Society of Cardiology (ESC) Congress 2017, Barcelona, SPAIN
13. **D'Angelo T, Blandino A, Mazziotti S, et al.** Assessment of Left Ventricular Volumes and Function: Can We accurately do it after Contrast Administration? European Society of Cardiovascular Radiology (ESCR) Congress 2017, Milan, ITALY – **oral presentation**
14. **D'Angelo T, Mazziotti S, Ascenti G, et al.** Delayed Myocardial Enhancement using Gadobutrol: A Time and Dose Optimization Study. European Society of Cardiovascular Radiology (ESCR) Congress 2017, Milan, ITALY – **oral presentation**
15. **D'Angelo T, Cicero G, Donato R, Blandino A, Mazziotti S, Puntmann V, Nagel E.** Calcolo dei volumi e della funzione ventricolare. È possibile eseguire le sequenze “cine” dopo somministrazione di Gadolinio? Convegno Nazionale Sezione di Cardioradiologia SIRM 2017, Roma, ITALY – **oral presentation**
16. **D'Angelo T, Elen E, Mazziotti S, Blandino A, Pathan F, Wichmann JL, Arendt CT, Mia I, Winau L, Puntmann V, Nagel E.** Splenic T2 mapping – A novel method for the assessment of splenic blood flow. Joint EuroCMR/SCMR meeting 2018, Barcelona, SPAIN – **oral presentation**
17. **D'Angelo T, Erath JW, Chavakis E, Grünewaldt A, Hügel C, Hohnloser S, Puntmann V, Nagel E.** Syncope on Exertion in a young male. Joint EuroCMR/SCMR meeting 2018, Barcelona, SPAIN – **oral presentation**
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23. D'Angelo T, Donato R, Aquaro GD. Principi fisici e indicazioni della RM cardiaca. In: Cosa bisogna sapere della Risonanza Magnetica Cardiaca – dai casi clinici alla gestione diagnostica terapeutica – Università degli Studi di Messina & Istituto di Fisiologia Clinica CNR Pisa (May 11<sup>th</sup>-12<sup>th</sup>) 2018 Messina, ITALY – **moderation**
24. **D'Angelo T**, Wichmann JL, Elen E, Arendt C, Mazziotti S, Blandino A, Cicero G, Puntmann V, Nagel E. A new method for predicting splenic "switchoff" sign: Splenic T2mapping. 10.25649/ESCR.2018. Joint ESTI/ESCR meeting (May 24<sup>th</sup>-26<sup>th</sup>) 2018, Geneva, SWITZERLAND – **oral presentation**
25. Cavallaro M, Mazziotti S, Cicero G, Wichmann JL, Ascenti G, **D'Angelo T**. Ottimizzazione della finestra di visualizzazione delle ricostruzioni monoenergetiche tradizionali e ottimizzate in studi di angio-TC dual-energy del circolo carotideo e cerebrale. 48° Congresso Nazionale SIRM 2018, Genova, ITALY– **oral presentation**
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27. D'Angelo T, Mazziotti S, Puntmann V, Cicero G, Blandino A, Nagel E. Imaging d'impregnazione tardiva in cardio-RMN: ottimizzazione della dose e dei tempi di acquisizione mediante utilizzo di gadobutrolo. 48° Congresso Nazionale SIRM 2018, Genova, ITALY
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29. D'Angelo T, Mazziotti S, Carerj L, Puntmann V, Blandino A, Nagel E. Utilizzo delle sequenze T2 mapping per pronosticare il segno dello "Splenic switch-off" in cardio-RM. 48° Congresso Nazionale SIRM 2018, Genova, ITALY
30. Blandino A, Cinquegrani A, Cicero G, D'Angelo T, Mazziotti S. Gestione radiologica diagnostica e terapeutica dei traumi dell'apparato urinario. In: *Corso monotematico* Gestione Radiologica Diagnostica e Terapeutica delle Urgenze addomino-pelviche. 48° Congresso Nazionale SIRM 2018, Genova, ITALY
31. D'Angelo T, Barretta ML. Comunicazioni Orali – Diagnostica per Immagini in Oncologia. 48° Congresso Nazionale SIRM 2018, Genova, ITALY – **moderation**
32. D'Angelo T, Sofia C. Comunicazioni Orali – Tomografia Computerizzata. Dual Energy e CT-PET. 48° Congresso Nazionale SIRM 2018, Genova, ITALY – **moderation**
33. D'Angelo T, Maksimović R. Bene fits of cardiac MR mapping for myocardial characterization (SS 303). European Congress of Radiology (ECR) 2019, Wien, AUSTRIA – **moderation**
34. D'Angelo T. Spectral Imaging: Cardiovascular Applications. Cardio-X - Italian Congress of Cardiovascular Radiology Convegno Nazionale Sezione di Cardioradiologia SIRM 2021. Turin, ITALY - **invited presentation**
35. D'Angelo T. Dual-Energy CT Applications in the Cardiovascular System. European Congress of Radiology Overture (ECR) 2022, Wien, AUSTRIA – **invited presentation**