

## *Curriculum Vitae et Studiorum*

### Francesco Secchi

#### Studies, Training and Careers

- 1996-2001 Diploma of Classical High School Giuseppe Parini, Milan, rating 78/100.
- 2001-2007 Degree with honors in Medicine from the University of Milan (105/110) with a thesis entitled: *Vitalità miocardica in risonanza magnetica: ottimizzazione della dose e del regime di somministrazione di un mezzo di contrasto paramagnetico ad alta rilassività*, published: Secchi F, et al. Optimizing dose and administration regimen of a high-relaxivity agent for myocardial MRI late gadolinium enhancement. Eur J Radiol 2011; 80:96-102.
- 2008-2012 Resident in Radiology at the University of Milan. Supervisor: Prof. Francesco Sardanelli. Degree with honors in Diagnostic Imaging at University of Milan (70/70 cum laude) with thesis entitled: *Risonanza magnetica cardiaca (RMC) prima e dopo impianto percutaneo di stent valvolato in arteria polmonare in pazienti con cardiopatie congenite*.
- 2011  
(Jan-Jun) Clinical fellow at CMR unit, Royal Brompton Hospital, London, UK. Director: Prof. Dudley Pennell (reporting more than 200 cardiac magnetic resonance).
- 2012 (Jan) Visiting resident at Medical University of South Carolina, Radiology Department, Cardiovascular imaging, Charleston, SC, USA. Director: Prof. J.U. Schoepf.
- 2014-2016 PhD course in integrated biomedical research at University of Milan with thesis entitled: *Cardiovascular computed tomography and magnetic resonance imaging in congenital heart disease*. Director: Prof. Chiarella Sforza.
- 2012-today Consultant radiologist at Department of Diagnostic Imaging, IRCCS Policlinico San Donato. Chief: Prof. Francesco Sardanelli, M.D.
- 2017 National Scientific Habilitation to the role of Associate Professor SSD MED/36
- 2018-2020 Board member of AIRMM (Associazione italiana risonanza magnetica in medicina)
- 2019-today Associate Professor of Radiology at the University of Milan.

#### Educational activities

- September 2003 Internship at the Diabetes Research Institute (DRI) in Miami, FL, USA.
- 2006 - 2012 Frequency student (graduate intern), following doctor and resident and radiology at the Department of Diagnostic Imaging, IRCCS Policlinico San Donato, San Donato Milanese, Milan Italy, directed by Prof. Francesco Sardanelli

#### Membership

1. Radiologic Society of North America (RSNA)

2. Società Italiana di Radiologia Medica (SIRM) [Italian Society of Radiology] Study section of cardiac radiology.
3. European Society of Radiology (ESR)
4. European Society of Cardiac Radiology (ESCR)
5. International Society for Magnetic Resonance in Medicine (ISMRM)

Participation in courses and conferences

1. 2007. European Society of Cardiac Radiology (ESCR), Rome, Italy
2. 2007. Five Days in Milan: Cardiac day. IRCCS Monzino Cardiology Center, Milan, Italy
3. 2007. Radiological Society of North America (RSNA), Chicago, USA
4. 2008. European Society of Cardiac Radiology (ESCR), Porto, Portugal
5. 2008. National Congress of the Italian Society of Medical Radiology (SIRM), Rome, Italy.
6. 2008. Comparative healthcare Systems and HP treatments, Milan, Italy
7. 2008. Cardiovascular CT: from aorta to coronary arteries, Milan, Italy
8. 2008. University of Milan. The five days of Milan: CT, MRI, PET competition or cooperation?  
Milan, Italy
9. 2008. Second Residential Course on Cardiac CT. Parma. Italy. Director: Dr. F Cademartiri.
10. 2008. RSNA Chicago, Illinois, USA
11. 2009. European Congress of Radiology (ECR), Vienna, Austria
12. 2009. Workshop & IPC ISHAC 2009, Milan, Italy
13. 2009. Medtronic Melody Implanters Meeting in Frankfurt
14. 2009. Corso Itinerante di Cardioradiologia. IRCCS Ospedale San Raffaele. Milano. Italy.  
Director: Dr Francesco De Cobelli.
15. 2009. ESCR, Leipzig, Germany.
16. 2009. SIRM, Section of Cardiac Radiology, Riva del Garda, Trento, Italy
17. 2009. CT and MR: A match race on cardiac imaging, Riva del Garda, Trento, Italy.
18. 2009. RSNA, Chicago, Illinois, USA.
19. 2010. Medtronic Melody Implanters Meeting, London, UK.
20. 2010. La Cardio RM nella pratica clinica. Pisa. Italy. Director: Dr. Massimo Lombardi.
21. 2010. ECR, Vienna, Austria.
22. 2010. National Congress SIRM 2010, Verona, Italy.
23. 2010. RSNA, Chicago, Illinois, USA.
24. 2011. ECR, Vienna, Austria.
25. 2011. Aggiornamenti in patologia cardiovascolare. Focus in aritmologia. Disfunzione ventricolare sinistra e rischio aritmico. (Official speaker)

26. 2011. Pacemaker e RM: il presente e il futuro - Biotronik. (Official speaker)
27. 2011. SIRM, Section of Cardiac Radiology (Imaging After), Maratea, Potenza, Italy
28. 2011. ESCR, Amsterdam, Holland.
29. 2011. RSNA, Chicago, Illinois, USA.
30. 2012. IV Arca Imaging. Monastier di Treviso (Official speaker).
31. 2012. ECR, Vienna, Austria.
32. 2012. National Congress SIRM 2012, Torino, Italy
33. 2012. ESCR, Barcellona, Spain.
34. 2012. RSNA, Chicago, Illinois, USA.
35. 2013. ECR, Vienna, Austria.
36. 2013. Workshop avanzato di cardio-RM. OSR, Milan, Italy
37. 2013. I mercoledì della cardiologia, San Donato Milanese (Official speaker).
38. 2013. SIRM, Section of Cardiac Radiology, Bologna, Italy
39. 2013. ESCR, London, UK.
40. 2013. RSNA. Chicago, Illinois, USA.
41. 2014. ECR, Vienna, Austria.
42. 2014. Stato dell'arte dell'ecografia in reumatologia. (Official speaker)
43. 2014. Euro CMR, Vienna, Austria.
44. 2014. National Congress SIRM, Firenze, Italy (Official speaker)
45. 2014. ESC, Barcellona, Spain.
46. 2014. VI Arca Imaging. Napoli (Official speaker).
47. 2014. ESCR, Paris, France.
48. 2014. La diagnostica cardiologica e le tecniche di imaging, San Donato Milanese (Official speaker)
49. 2014. RSNA. Chicago, Illinois, USA.
50. 2014. SIC. Rome, Italy.
51. 2015. ECR, Vienna, Austria.
52. 2015. Valve therapy, San Donato Milanese, Italy (official speaker)
53. 2015. La diagnostica cardiologica e le tecniche di imaging, San Donato Milanese (Official speaker)
54. 2015. Somatom Definition AS user meeting, Baveno, Italy (Official speaker)
55. 2015. Giornata dei giovani ricercatori in campo cardiovascolare, San Donato Milanese, Italy (official speaker)
56. 2015. ESCR, Vienna, Austria
57. 2015. 10 minutes answer. RM nella diagnosi differenziale dell'infarto e della miocardite.

- (official speaker). Roma. Italy
58. 2015. SIRM, Section of Cardiac Radiology, Catania, Italy. Dilatazione del VD (Official speaker)
  59. 2015. RSNA. Chicago, Illinois, USA.
  60. 2015. X Regional Group Lombardia congress. “I giovani radiologi lombardi a confronto con i Maestri”. RM vs TC a bassa dose nelle cardiopatie congenite. Milano, Italy (Official speaker)
  61. 2016. Gore Advanced Thoracic Workshop. Imaging dinamico delle malattie dell’aorta toracica. Milano. Italy. (Official speaker)
  62. 2016. Milan Cardiac Imaging 2016. CMR in CHD. (Official speaker)
  63. 2016. ECR, Vienna, Austria.
  64. 2016. National Congress SIRM, Napoli, Italy (Official speaker)
  65. 2016. ESCR, Cracovia, Poland
  66. 2016. RSNA. Chicago, Illinois, USA.
  67. 2017. ECR, Vienna, Austria
  68. 2017. Radiology in Venice, Italy (Official speaker)
  69. 2017. EuroCMR, Praga, Repubblica Ceca
  70. 2017. Cardiac course, Section of Cardiac Radiology. Torino (Official speaker)
  71. 2017. ESCR, Milan, Italy (Official speaker)
  72. 2017. RSNA. Chicago, Illinois, USA.
  73. 2017. SIRM, Section of Cardiac Radiology, Rome, Italy. Case session (Official speaker)
  74. 2018. ESMIT Winter School, Bergamo, Italy. (Official speaker)
  75. 2018. ECR, Vienna, Austria. (Official moderator)
  76. 2018. OSR Retreat, Baveno, Italy
  77. 2018. Milan Cardiac Imaging 2018. (Official speaker)
  78. 2018. ISMR Italia Chapter, Padova, Italy
  79. 2018. Radiology in Como, Italy (Official speaker)
  80. 2018. National Congress SIRM, Genova, Italy (Official speaker)
  81. 2018. RSNA. Chicago, Illinois, USA.
  82. 2019. ECR, Vienna, Austria.
  83. 2019. ISMR Italia Chapter, Milan, Italy (Official moderator and organize committee)
  84. 2019 Corso di risonanza magnetica cardiaca. Ospedale Bambino Gesù. Roma (Official speaker)
  85. 2019 Corso ABC cardio, Sezione cardioradiologia SIRM. Brescia (Official speaker)

**Publications**

**Scopus: H-index: 12, overall citations: 397**

*Articles in journals with impact factor (total IF = 71.518)*

1. Iozzelli A, D'Orta G, Aliprandi A, **Secchi F**, Di Leo G, Sardanelli F. The value of true-FISP sequence added to conventional gadolinium-enhanced MRA of abdominal aorta and its major branches. *Eur J Radiol* 2009;72:489-93. **(IF = 2.645)**
2. **Secchi F**, Iozzelli A, Papini GD, Aliprandi A, Di Leo G, Sardanelli F. MR imaging of aortic coarctation. *Radiol Med* 2009;114:524-37. **(IF = 1.454)**
3. Papini GDE, Tritella S, **Secchi F**, Aliprandi A, Di Leo G, Sardanelli F. Myocardial delayed enhancement using a single (0.1 mmol/kg) dose of gadobenate dimeglumine: contrast resolution versus intraventricular blood and viable myocardium. *Radiol Med* 2010;115:693-701. **(IF = 1.618)**
4. Malavazos AE, Di Leo G, **Secchi F**, Lupo EN, Coman C, Morricone L, Corsi MM, Sardanelli F, Iacobellis G. Relation of echocardiographic epicardial fat thickness and myocardial fat. *Am J Cardiol* 2010;105:1831-5. **(IF = 3.680)**
5. **Secchi F**, Di Leo G, Papini G, Giacomazzi F, Di Donato M, Sardanelli F. Optimizing dose and administration regimen of a high-relaxivity agent for myocardial MRI late gadolinium enhancement. *Eur J Radiol*. 2011; 80:96-102. **(IF = 2.606)**
6. **Secchi F**, Di Leo G, Papini G, Nardella VG, Negura D, Carminati M, Sardanelli F. Cardiac magnetic resonance (CMR): impact on diagnosis and management of patients with congenital cardiovascular disease. *Clin Radiol* 2011;66:720-5. **(IF = 1.952)**
7. **Secchi F**, Nardella V, Giardino A, Di Leo G, Castelvechio S, Menicanti L, Sardanelli F. Atypical myocardial delayed enhancement after surgical ventricle restoration. *Eur J Radiol* 2012;81:e292-7. **(IF = 2.512)**
8. Resta EC, **Secchi F**, Giardino A, Nardella VG, Di Leo G, Flor N, Sardanelli F. Non-contrast MR imaging for detecting endoleak after abdominal endovascular aortic repair. *Int J Cardiovasc Imaging* 2013;29:229-35. **(IF = 2.322)**
9. Tricarico F, Hlavacek AM, Schoepf UJ, Ebersberger U, Nance JW Jr, Vliegenthart R, Cho YJ, Spears JR, **Secchi F**, Savino G, Marano R, Schoenberg SO, Bonomo L, Apfaltrer P. Cardiovascular CT angiography in neonates and children: Image quality and potential for radiation dose reduction with iterative image reconstruction techniques. *Eur Radiol* 2013;23:1306-15. **(IF = 4.338)**
10. **Secchi F**, Lanza E, Cannà PM, Petrini M, Sconfienza LM, Sardanelli F. Noncardiac findings in clinical cardiac magnetic resonance: Prevalence in 300 examinations after blind reassessment. *J Comput Assist Tomogr* 2013;37:382-6. **(IF = 1.602)**
11. Francone M, Di Cesare E, Cademartiri F, Pontone G, Lovato L, Matta G, **Secchi F**, Maffei E et al. Italian registry of cardiac magnetic resonance. *Eur J Radiol* 2014;83:e15-22 **(IF = 2.369)**
12. **Secchi F**, Resta EC, Piazza L, Butera G, Di Leo G, Carminati M, Sardanelli F. Cardiac magnetic resonance before and after percutaneous pulmonary valve implantation. *Radiol Med* 2014;119:400-7. **(IF = 1.343)**
13. **Secchi F**, Resta EC, G Di Leo, M Petrini, C Messina, M Carminati, F Sardanelli, Segmentation of cardiac magnetic resonance cine images of single ventricle: including or excluding the accessory ventricle? *Int J Cardiovasc Imaging* 2014;30:1117-24 **(IF = 1.810)**
14. Auricchio F, Conti M, Lefieux A, Morganti S, Reali A, Sardanelli F, **Secchi F**, Trimarchi S, Veneziani A. Patient-specific analysis of post-operative aortic hemodynamics a focus on

- Thoracic Endovascular Repair (TEVAR). *Comput Mech.* 2014. **(IF = 2.525)**
15. **Secchi F**, De Cecco CN, Silverman J, Ebersberger U, Sardanelli F, Schoepf UJ. Monoenergetic extrapolation of cardiac dual energy CT for artifact reduction. *Acta Radiol* 2015;56:413-8. **(IF = 1.603)**
  16. **Secchi F**, Resta EC, Giardino A, Di Leo G, Bandera F, Guazzi M, Sardanelli F. A geometric index to differentiate abnormal from normal septal wall motion on cardiac MR imaging. *Acta Radiol* 2015;56:545-51. **(IF = 1.603)**
  17. Bandera F, Generati G, Pellegrino M, **Secchi F**, Menicanti L, Guazzi M. Exercise gas exchange analysis in obstructive hypertrophic cardiomyopathy before and after myectomy (cardiopulmonary exercise test combined with exercise-echocardiography in HCM). *Int J Cardiol* 2014;178C:282-3. **(IF = 4.036)**
  18. **Secchi F**, Petrini M, Di Leo G, Bandera F, Castelvechio S, Guazzi M, Menicanti L, Sardanelli F. Recoupling of right and left ventricle pump function after surgical ventricle restoration: a cardiac magnetic resonance study. *Int J Cardiovasc Imaging* 2015;31(4):813-20. **(IF = 1.810)**
  19. Cannaò PM, Schoepf UJ, Muscogiuri G, Wichmann JL, Fuller SR, **Secchi F**, Varga-Szemes A, De Cecco CN. Technical prerequisites and imaging protocols for dynamic and dual energy myocardial perfusion imaging. *Eur J Radiol* 2015; 84:2401-10. **(IF = 2.369)**
  20. **Secchi F**, Resta EC, Cannaò PM, Tresoldi S, Butera G, Carminati M, Sardanelli F. Four-year cardiac magnetic resonance (CMR) follow-up of patients treated with percutaneous pulmonary valve stent implantation. *Eur Radiol* 2015; 25:3606-13. **(IF = 4.014)**
  21. Tresoldi S, Munari A, Di Leo G, Pompili G, Magistrelli P, **Secchi F**, La Briola F, Canevini MP, Cornalba G, Sardanelli F. Myocardial fatty foci in adult patients with tuberous sclerosis complex: association with gene mutation and multi-organ involvement. *Radiology* 2015; 277:398-405 **(IF = 6.867)**
  22. Mattiuz C, **Secchi F**, Mauri G. Regarding "Multiple overlapping uncovered stents as an alternative flow-diverting strategy in the management of peripheral and visceral aneurysms". *J Vasc Surg* 2015;62:269. **(IF = 3.021)**
  23. Messina C, Banfi G, Aliprandi A, Mauri G, **Secchi F**, Sardanelli F, Sconfienza LM. Ultrasound guidance to perform intra-articular injection of gadolinium-based contrast material for magnetic resonance arthrography as an alternative to fluoroscopy: the time is now. *Eur Radiol* 2016; 26:1221-5. **(IF = 4.014)**
  24. Cademartiri F, Di Cesare E, Francone M, Ballerini G, Ligabue G, Maffei E, Romagnoli A, Argiolas GM, Russo V, Buffa V, Marano R, Guzzetta M, Belgrano M, Carbone I, Macarini L, Borghi C, Di Renzi P, Barile V, Patriarca L, CCT Italian Registry Group (Donato R, Zerboni Z, Tresoldi S, Tessa C, Rengo M, Manglaviti G, Danti M, Crusco F, Carotti L, Beomonte Zobel B, Bernardini A, Scardapane A, Banderali S, Acquafresca M, Carusi LM, Negro U, Priotto R, De Cobelli F, Quarenghi M, Paganoni S, **Secchi F**, Sforza N, Lumia D, De Rosa R, Bissoli E, Olivotti L, Barbiero G, Centonze M, Leurini R, Malagò R, Pinto D. Italian Registry of Cardiac Computed Tomography. *Radiol Med.* 2015; 120:919-29. **(IF = 1.343)**
  25. Messina C, Mauri G, **Secchi F**, Sconfienza F. Ultrasound-guided Interventional Procedures around the Shoulder. *BJR* 2016; 89:20150372. **(IF = 2.026)**
  26. Cannaò PM, Altabella L, Petrini M, Ali M, **Secchi F**, Sardanelli F. Novel CMR biomarkers: native T1 and extracellular volume myocardial mapping. *Eur Heart J Suppl* (2016) 18 (suppl E): E64-E71. **(IF=1.000)**

27. Bandera F, Generati G, Pellegrino M, Tufaro V, **Secchi F**, Sugimoto T, Lombardi M, Sardanelli F, Guazzi M. Paradoxical Low Flow/Low Gradient Aortic Stenosis: Can Cardiopulmonary Exercise Test Help in Identifying it? *Int j Cardiology* 2016; 15;203:37-9.
28. **Secchi F**, Ali M, Faggiano E, Cannaò PM, Fedele M, Tresoldi S, Di Leo G, Auricchio F, Sardanelli F. Fractional flow reserve based on computed tomography: An overview. *Eur Heart J Suppl* (2016) 18 (suppl E): E49-E56. **(IF=1.000)**
29. Di Leo G, Fiscì E, **Secchi F**, Ali M, Ambrogi F, Sconfienza LM, Sardanelli F. Diagnostic accuracy of magnetic resonance angiography for detection of coronary artery disease: a systematic review and meta-analysis. *Eur Radiol.* 2016; 26:3706-18. **(IF = 4.014)**
30. Lombardi M, **Secchi F**, Pluchinotta FR, Castelvechio S, Montericcio V, Camporeale A, Bandera F. Multimodality cardiac imaging at IRCCS Policlinico San Donato: a new interdisciplinary vision. *Eur Heart J Suppl* (2016) 18 (suppl E): E27-E30. **(IF=1.000)**
31. Sconfienza, Mauri, Messina, **Secchi**, Aliprandi, Sardanelli. "Ultrasound-guided Percutaneous Tenotomy of Biceps Tendon: Technical Feasibility on Cadavers" has been received by *Ultrasound in Medicine and Biology*. *Ultrasound Med Biol.* 2016; 42:2513-7. **(IF=2.214)**
32. Dozio E, Briganti S, Delnevo A, Vianello E, Ermetici F, **Secchi F**, Sardanelli F, Morricone L, Malavazos AE, Corsi Romanelli MM. Relationship between soluble receptor for advanced glycation end products (sRAGE), body composition and fat distribution in healthy women. *Eur J Nutr.* 2017;56:2557-2564. **(IF=3.239)**
33. Di Leo G, D'Angelo ID, Ali M, Cannaò P, Mauri G, **Secchi F**, Sardanelli F. Intra- and inter-reader reproducibility of blood flow measurements on the ascending aorta and pulmonary artery using cardiac magnetic resonance. *Rad Med* 2017 Mar;122(3):179-185. **(IF = 1.343)**
34. Marrocco-Trischitta MM, de Beaufort HW, **Secchi F**, van Bakel TM, Ranucci M, van Herwaarden JA, Moll FL, Trimarchi S. A geometrical reappraisal of proximal landing zones for thoracic endovascular aortic repair according to aortic arch types. *JVS* 2017; 65:1584-1590. **(IF = 3.454)**
35. Di Leo G, Spadavecchia C, Zanardo M, **Secchi F**, Veronese I, Cantone MC, Sardanelli F. Should the automatic exposure control system of CT be disabled when scanning patients with endoaortic stents or mechanical heart valves? A phantom study. *Eur Rad* 2016; 27:2989-2994 **(IF = 4.014)**
36. **Secchi F**, Di Leo G, Petrini M, Spairani R, Ali M, Guazzi M, Sardanelli F. 1H- and 31P-myocardial magnetic resonance spectroscopy in non-obstructive hypertrophic cardiomyopathy patients and competitive athletes. *Rad Med* 2017 Apr;122(4):265-272. **(IF = 1.343)**
37. **Secchi F**, Resta EC, Cannaò PM, Pluchinotta FR, Piazza L, Butera M, Carminati M, Sardanelli F. Biventricular Heart Remodeling After Percutaneous or Surgical Pulmonary Valve Implantation: Evaluation by Cardiac Magnetic Resonance. *J Thorac Imaging* 2017; 32:358-364. **(IF = 1.723)**
38. Castelvechio S, Careri G, Ambrogi F, Camporeale A, Menicanti L, **Secchi F**, Lombardi M. Myocardial scar location as detected by cardiac magnetic resonance is associated with the outcome in heart failure patients undergoing surgical ventricular reconstruction. *Eur J Cardiothorac Surg.* 2018 53:143-149 **(IF = 3.759)**
39. **Secchi F**, Di Leo G, Zanardo M, Ali M, Cannaò PM, Sardanelli F. Detection of Incidental Cardiac Findings in Non-cardiac Chest Computed Tomography. *Medicine*. *Medicine* (Baltimore). 2017; 96(29):e7531. **(IF = 5.723)**
40. Codari M, Scarabello M, **Secchi F**, Sforza C, Baselli G, Sardanelli F. Fully Automated

- Contour Detection of the Ascending Aorta in Cardiac 2D Phase-Contrast MRI. *Magn Reson Imaging*. 2017; 47:77-82 (**IF = 2.225**)
41. Scarabello M, Codari M, **Secchi F**, Cannà PM, Ali M, Di Leo G, Sardanelli F. Strain of ascending aorta on cardiac magnetic resonance in 1,027 patients: Relation with age, gender, and cardiovascular disease. *Eur J Radiol*. 2018 99:34-39. (**IF = 2.462**)
  42. Lupo P, Cappato R, Di Leo G, **Secchi F**, Papini GDE, Foresti S, Ali H, De Ambroggi GMG, Sorgente A, Epicoco G, Cannà PM, Sardanelli F. An eight-year prospective controlled study about safety and diagnostic value of cardiac and non-cardiac 1.5T-MR imaging in patients with a conventional pacemaker (cPM) or a conventional implantable cardioverter defibrillator (cICD). *Eur Radiol*. 2018;28:2406-2416.
  43. Cannà P, **Secchi F**, Sardanelli F. High-quality low-dose cardiovascular computed tomography (CCT) in pediatric patients using a 64-slice scanner. *Acta Radiol*. 2018; 59:1247-1253. (**IF = 2.011**)
  44. **Secchi F**, Ali M, Petrini M, Pluchinotta FR, Cozzi A, Carminati M, Sardanelli F. Semi-Automated Blood-threshold CMR Volume Analysis of Functional Univentricular Heart. *Radiol Med*. 2018;123:331-337. (**IF = 1.343**)
  45. Marcon S, Lanzarone E, van Bogerijen GHW, Conti M, **Secchi F**, Trimarchi S, Auricchio F. A compliant aortic model for in vitro simulations: design and manufacturing process. *Med Eng Phys*. 2018 Sep;59:21-29
  46. Codari M, Papini GDE, Melazzini L, Pluchinotta FR, **Secchi F**, Carminati M, Frigiola A, Chessa M, Sardanelli F. Does Tetralogy of Fallot affect brain aging? A proof-of-concept study. *PLoS One*. 2018 Aug 21;13(8):e0202496
  47. Caimi A, Sturla F, Pluchinotta FR, Giugno L, **Secchi F**, Votta E, Carminati M, Redaelli A. Prediction of stenting related adverse events through patient-specific finite element modelling. *J Biomech*. 2018 Oct 5;79:135-146.
  48. Tresoldi S, Ravelli A, Sbaraini S, Khouri Chalouhi C, **Secchi F**, Cornalba G, Carrafiello G, Sardanelli F. Computed tomography coronary angiography in patients without known coronary artery disease can demonstrate possible non-cardiovascular causes of non-acute retrosternal chest pain. *Insights Imaging*. 2018;9:687-694.
  49. Petrini M, Ali M, Cannà PM, Zambelli D, Cozzi A, Codari M, Malavazos AE, **Secchi F**, Sardanelli F. Epicardial adipose tissue volume in patients with coronary artery disease or non-ischemic dilated cardiomyopathy: evaluation with cardiac magnetic resonance. *Clin Radiol*. 2019. 74:81.e1-81.e7.
  50. Marrocco-Trischitta MM, Romarowski RM, de Beaufort HW, Conti M, Vitale R, **Secchi F**, Auricchio F, Trimarchi S. The Modified Arch Landing Areas Nomenclature identifies hostile zones for endograft deployment: a confirmatory biomechanical study in patients treated by thoracic endovascular aortic repair. *Eur J Cardiothorac Surg*. 2018 Dec 7. doi: 10.1093/ejcts/ezy409. [Epub ahead of print]
  51. **Secchi F**, Chessa M, Petrini M, Monti CB, Ali M, Cannà PM, Di Leo G, Sardanelli F. Pulmonary insufficiency: advantage of pulmonary regurgitation volume versus pulmonary regurgitation fraction in a congenital heart disease mixed population. *J Thorac Imaging*. 2019 Mar 11. doi: 10.1097/RTI.0000000000000400.
  52. Marrocco-Trischitta MM, Rylski B, Schofer F, **Secchi F**, Piffaretti G, de Beaufort H, Belvroy V, Bismuth J, Czerny M, Trimarchi S. Prevalence of Type III Arch configuration in patients with Type B aortic dissection. *Eur J Cardiothorac Surg*. 2019 Apr 30. pii: ezz137. doi:



10.1093/ejcts/ezz137.

53. Sardanelli F, Schiaffino S, Zanardo M, **Secchi F**, Cannaò PM, Ambrogi F, Di Leo G. Point estimate and reference normality interval of MRI-derived myocardial extracellular volume in healthy subjects: a systematic review and meta-analysis. *Eur Radiol*. 2019 May 2. doi: 10.1007/s00330-019-06185-w.
54. Percutaneous Pulmonary Valve Implantation in Patients with Right Ventricular Outflow Tract Dysfunction. *Therapeutic Advances in Chronic Disease* 2019.

*Articles in journals without impact factor*

1. Sardanelli F, Quarenghi N, Papini G, **Secchi F**, Di Leo G. Evoluzione tecnologica della tomografia computerizzata e applicazioni cliniche in cardiologia. *Hospital & Public Health* 2007;1:6-13
2. **Secchi F**, Giardino A, Nardella V.G, Sardanelli F. MRI and CT in the evaluation of congenital heart diseases. *Ped. Med. Chir. (Med. Surg. Ped.)* 2010;32:260-9.
3. **Secchi F**, Giardino A, Fabiano S, Fesslova V, Sardanelli F. Visualization of a small ventricular septal defect at first-pass contrast-enhanced cardiac MR imaging. *J Clin Imaging Sci* 2013; 3:59
4. van Bogerijen GHW, Tolenaar JL, Conti M, Auricchio F, **Secchi F**, Sardanelli F, Moll FL, van Herwaarden JA, Rampoldi V, Trimarchi S. Contemporary role of computational analysis in endovascular treatment for thoracic aortic disease. *Aorta* 2013;1:171-81.
5. Asti E, Bonavina L, Lombardi M, Bandera F, **Secchi F**, Guazzi M. Reversibility of cardiopulmonary impairment after laparoscopic repair of large hiatal ernia. *Int J Surg Case Rep* 2015;14:33-35.
6. Sconfienza LM, Mauri G, Muzzupappa C, Poloni A, Bandirali M, Esseridou A, Tritella S, **Secchi F**, Di Leo G, Sardanelli F. Relevant incidental findings at abdominal multi-detector contrast-enhanced computed tomography: A collateral screening? *World Journal of Radiology* 2015
7. van Bakel TM, Romarowski RM, Morganti S, van Herwaarden JA, Moll FL, de Beaufort HW, Marrocco-Trischitta MM, **Secchi F**, Conti M, Auricchio F, Trimarchi S. Blood flow after endovascular repair in the arch: a computational analysis. *Aorta (Stamford)*. 2018 Jun;6(3):81-87.

*Abstracts at International Congress*

1. Sardanelli F, Quarenghi M, Papini G, Tritella S, **Secchi F**, Di Leo G. Contrast resolution between myocardial delayed enhancement and intraventricular blood using a single (0.1 mmol/kg) dose of a high relaxivity contrast agent (Gd-BOPTA). (P):683(#3586). Joint Meeting ISMRM-ESMRMB 2007
2. Quarenghi M, Lupo P, **Secchi F**, Papini GDE, Cappato R, Sardanelli F. Safety and efficacy of MRI at 1.5 T in patients with pacemakers and defibrillators: Preliminary results. *Eur Radiol* 2007; 10: 2720. ESCR 2007
3. Quarenghi M, Papini GDE, **Secchi F**, Tritella S, Sardanelli F. Contrast resolution between myocardial delayed enhancement (DE) and intraventricular blood using a single dose (0.1 mmol/kg) of a high-relaxivity contrast agent (gd-BOPTA). *Eur Radiol* 2007; 10:2751. ESCR 2007
4. Quarenghi M, Iozzelli A, Papini GDE, **Secchi F**. MR technical procedures and clinical interpretation of aortic coarctation. *Eur Radiol* 2007; 10:2751. ESCR 2007

5. Quarenghi M, Tritella S, Papini GDE, **Secchi F**, Sardanelli F. Ejection fraction of left ventricle (LVEF) and right ventricle (RVEF) on cine-MR imaging in patients with post-ischemic dilatative cardiomyopathy before and after surgical restoration of the left ventricle (SVR): preliminary results. *Eur Radiol* 2007; 10:2752. ESCR 2007
6. Quarenghi M, **Secchi F**, Papini GDE, Sardanelli F. Clinical impact of magnetic resonance in diagnosis and management of congenital heart diseases: preliminary and latest results. *Eur Radiol* 2007; 10:2752. ESCR 2007
7. **Secchi F**, Quarenghi M, papini GDE, Giacomazzi F, Di Leo G, Sardanelli F. Myocardial delayed enhancement using Gd-BOPTA: an intraindividual study on dose and regimen of administration. *Eur Radiol* 2007; 10:2753. ESCR 2007
8. Quarenghi M, Lupo P, **Secchi F**, Papini G, Cappato R, Sardanelli F. Safety and efficacy of MRI at 1.5 T in patients with pacemakers and defibrillators: Preliminary results. (P):284. *RSNA* 2007
9. Sardanelli F, Quarenghi M, **Secchi F**, Giacomazzi F, Di Leo G, Di Donato M, et al. Myocardial delayed enhancement (DE) using gadobenate dimeglumine (Gd-BOPTA): An intra-individual study on dose and regimen of administration. (P):284. *RSNA* 2007 (**Oral presentation**)
10. **Secchi F**, Quarenghi M, Giacomazzi F, Papini G, Di Leo G, Sardanelli F. Myocardial delayed enhancement (DE): Time course of contrast-to-noise ratio (CNR) of infarcted myocardium (IM) to non-infarcted myocardium (NIM) and to left ventricle cavity (LVC) after a fractionated single dose (FSD) of Gd-BOPTA. (P):713. *RSNA* 2007
11. Papini GDE, **Secchi F**, Lupo P, Cappato R, Tiralongo S, Sardanelli F. Safety and efficacy of MR imaging at 1.5 T in patients with pacemakers and defibrillators. *Eur Radiol* 2008; 18(Suppl 1):190. *ECR* 2008
12. **Secchi F**, Papini GDE, Di Leo G, Sardanelli F, Cornalba GP. Myocardial delayed enhancement (DE): Time course of contrast-to-noise ratio (CNR) of infarcted myocardium (IM) to non-infarcted myocardium (NIM) and left ventricle cavity (LVC) after fractionated double dose (FDD) of gadobenate dimeglumine (Gd-BOPTA). *Eur Radiol* 2008; 18(Suppl 1):404. *ECR* 2008
13. **Secchi F**, Papini GDE, Di Leo G, Sardanelli F. Reproducibility of segmentation of cardiac MR (CMR) images of the right ventricle (RV) in adult patients with previously treated Fallot tetralogy (PTFT). *Eur Radiol* 2008; 18 (Suppl 3): C3-C4. ESCR 2008 (**Oral presentation**)
14. Di Leo G, **Secchi F**, Papini GDE, Sardanelli F. Reproducibility of segmentation of cardiac MR (CMR) images of the right ventricle (RV) in patients with coronary artery disease (CAD). *Eur Radiol* 2008; 18 (Suppl 3): C31. ESCR 2008
15. **Secchi F**, Papini GDE, Di Leo G, Arcidiacono C, Carminati M, Sardanelli F. Signal void in magnetic resonance imaging (MRI) induced by a pulmonary transcatheter valve: in vitro evaluation. *Eur Radiol* 2008; 18 (Suppl 3): C38-C39. ESCR 2008
16. Ottonello C, Papini GDE, Turchetti C, **Secchi F**, Ciancio A, Fracasso A, Sardanelli F. Magnetic resonance (MR) evaluation of myocardial T2\* relaxation time and left ventricle ejection fraction (LVEF) in patients with thalassemia major (TM). *Eur Radiol* 2008; 18 (Suppl 3):C40-C41. ESCR 2008
17. Papini GDE, Di Leo G, **Secchi F**, Sardanelli F. Comparison between oblique dedicated projection (ODP) and standard short axis (SSA) for segmenting cine-MR images of the right ventricle (RV). *Eur Radiol* 2008; 18 (Suppl 3):C42. ESCR 2008

18. Cuccarini V, Papini GDE, **Secchi F**, Di Leo G, Sardanelli F, Cornalba G. Abdominal aorta aneurism (AAA) diagnosed during echography in asymptomatic subjects. *Eur Radiol* 2008; 18 (Suppl 3):C56. ESCR 2008
19. Papini GDE, Lupo P, **Secchi F**, Di Leo G, Sardanelli F, Cornalba G. Safety and efficacy of 1.5-T magnetic resonance imaging (MRI) in patients with pacemakers (PMs) or implantable cardioverter defibrillators (ICDs): preliminary results. *Eur Radiol* 2008; 18 (Suppl 3):C73-74. ESCR 2008
20. Papini GDE, Lupo P, **Secchi F** Di Leo G, Sardanelli F, Cornalba G. Safety and efficacy of 1.5-T MRI in patients with pacemakers and defibrillators. (P): 770. RSNA 2008
21. Ottonello C, **Secchi F**, Papini GDE, Giardino A, Turchetti C, Ciancio A, Fracasso A, Aliprandi A, Sardanelli F. MR evaluation of myocardial iron storage and left ventricular ejection fraction in patients with thalassemia major. *Eur Radiol* 2009; 19 (Suppl 1): S195-S196. ECR 2009 (**Oral presentation**)
22. **Secchi F**, Papini G, Di Leo G, Carminati M, Sardanelli F, Diagnostic Value of Cardiac Magnetic Resonance (CMR) before and after Pulmonary Transcatheter Valve Implantation: Preliminary Results. ESCR 2009
23. **Secchi F**, Di Leo G, sardella V, Giardino A, Di Donato M, Sardanelli F. Atypical Pattern of Myocardial Delayed Enhancement (DE) after Surgical Ventricle Restoration (SVR). ESCR 2009
24. **Secchi F**, Di Leo G, Giardino A, Nardella V, Di Donato M, Sardanelli F. Atypical pattern of myocardial delayed enhancement after surgical ventricle restoration. (P): 395-396 RSNA 2009 (**Oral presentation**)
25. **Secchi F**, Papini GD, Di Leo G, Carminati M, Sardanelli F. Diagnostic value of cardiac magnetic resonance (CMR) before and after pulmonary transcatheter valve implantation: preliminary results. (P): 765. RSNA 2009
26. Di Leo G, Papini GDE, **Secchi F** Sconfienza L, Esseridou A, Sardanelli F. The ace in the hole in MR imaging: balanced steady state free precession (SSFP), true fast imaging with steady precession (true-FISP), or fast imaging employing steady state acquisition (FIESTA): three names for the same multi-purpose pulse sequence. (P): 951. RSNA 2009
27. **Secchi F**, Papini GDE, Di Leo G, Carminati M, Sardanelli F. Diagnostic value of cardiac magnetic resonance (CMR) before and after pulmonary transcatheter valve implantation: preliminary results. *JCMR* 2010, 12(Suppl1):P20. SCMR 2010.
28. Di Leo G, Papini G, **Secchi F**, Magaldi A, Lupo EN, Cotticelli B, Sardanelli F. Screening for renal function in patients scheduled for gadolinium-enhanced MR imaging and diagnostic value of alternative unenhanced protocols ECR 2010
29. **Secchi F**, Papini GDE, Di Leo G, Carminati M, Sardanelli F. In vitro evaluation of a pulmonary transcatheter valve (Melody) with different MR sequences. ECR 2010
30. **Secchi F** Papini GDE, Di Leo G, Carminati M, Sardanelli F. Diagnostic value of cardiac magnetic resonance (CMR) before and after pulmonary transcatheter valve implantation: preliminary results. ECR 2010
31. Di Leo G, **Secchi F** Papini GDE, Giardino A, Nardella V, Sardanelli F. Quantitative cine-MR imaging of the right ventricle (RV): comparison between pure axial plane (PAP) and standard short-axis plane (SSAP). ECR 2010
32. **Secchi F**, Papini GDE, Giardino A, Nardella V, Di Leo G, Sardanelli F. Quantitative cine-MR imaging of the right ventricle (RV): comparison between an oblique dedicated plane (ODP)

and standard short-axis plane (SSAP). ECR 2010

33. **Secchi F**, Giardino A, Nardella V, Di Leo G, Sardanelli F. A Quantitative Geometric Index to Define Paradoxical Septum on Cardiac MRI. RSNA 2010 (**Oral presentation**)
34. **Secchi F**, MD, Papini G, Di Leo G, Carminati M, Sardanelli F. Diagnostic Value of Cardiac Magnetic Resonance (CMR) before and Four-months after Pulmonary Transcatheter Valve Implantation. RSNA 2010 (**Oral presentation**)
35. Ottonello C, Giardino A, Turchetti C, **Secchi F**, Di Leo G, Sardanelli F. Magnetic Resonance (MR) Evaluation of Myocardial T2\* Relaxation Time and of Left Ventricle Ejection Fraction (LVEF) in Thalassemic Patients. RSNA 2010
36. **Secchi F**, Sconfienza L, Papini G, Giardino A, Di Leo G, Sardanelli F. How to Use Bernoulli's Equation for Calculating Pressure Gradient ( $\Delta P$ ) with Doppler US or MR Phase Imaging: From Theory to Practice. RSNA 2010 (Education Exhibit)
37. **Secchi F**, Giardino A, Nardella VG, Carminati M, Di Leo G, Sardanelli F. Diagnostic value of cardiac magnetic resonance (CMR) in estimation of pulmonary pressure gradient before and four-months after transcatheter valve implantation Insights into Imaging 2011 Book of Abstract, volume 2 (Suppl 2), S182 (B-828). ECR 2011 (**Oral presentation**)
38. **Secchi F**, Nardella VG, Giardino A, Di Leo G, Sardanelli F. Single ventricle on MRI. Poster C-0414. ECR 2011.
39. **Secchi F**, Giardino A, Nardella VG, Di Leo G, Sardanelli F. A Comprehensive MR study of endoleak after endovascular treatment of abdominal aortic aneurysm. Poster C-0746. ECR 2011.
40. Gulati A, Khwaja J, Guha K, Raza S, Morarji K, Ismail T, Di Pietro E, **Secchi F**, Brown T, Davendralingham N, Banya W, Daryani Y, Jabbour A, Pennell D, Prasad S. Midwall Late Gadolinium Enhancement Predicts Mortality in Non-Ischemic Dilated Cardiomyopathy. AHA 2011.
41. **Secchi F**, Nardella VG, Giardino A, Di Leo G, Sardanelli F. Segmentation of Cardiac MR Cine Images of the Single Ventricle Malformation: Including or Excluding the Small Accessorial Ventricle? ESCR 2011.
42. **Secchi F**, Giardino A, Bandera F, Di Leo G, Menicanti L, Sardanelli F. Right Ventricle (RV) Pump Function after Surgical Ventricle Restoration (SVR) on Cardiac Magnetic Resonance (CMR). ESCR 2011.
43. **Secchi F**, Nardella VG, Giardino A, Di Leo G, Sardanelli F. Segmentation of Cardiac MR Cine Images of the Single Ventricle Malformation: Including or Excluding the Small Accessorial Ventricle? RSNA 2011 (**Oral presentation**)
44. **Secchi F**, Giardino A, Bandera F, Di Leo G, Menicanti L, Sardanelli F. Right Ventricle (RV) Pump Function after Surgical Ventricle Restoration (SVR) on Cardiac Magnetic Resonance (CMR). RSNA 2011 (**Oral presentation**)
45. **Secchi F**, Giardino A, Resta EC, Malavazos A, Di Leo G, Sardanelli F. Cardiac Magnetic Resonance (CMR) in Patients with Ischemic Heart Disease (IHD): Epicardial Adipose Tissue for Outcome Prediction after Surgical Ventricle Restoration (SVR). RSNA 2011 (**Oral presentation**)
46. **Secchi F**, Jabbour A, Sardanelli F, Pennell D, Mohiaddin R. Increased late gadolinium enhancement of the left atrium by cardiovascular magnetic resonance in cardiac amyloidosis. Insights into Imaging 2012 Book of Abstract, volume 3 (Suppl 1), S266 (B-576). ECR 2012. (**Oral presentation**)

47. Nardella VG, **Secchi F** Giardino A, Resta EC, Di Leo G, Sardanelli F. Symmetry of atherosclerotic lesions at the lower extremities arteries on magnetic resonance angiography (MRA). Insights into Imaging 2012 Book of Abstract, volume 3 (Suppl 1), S299 (B-717). ECR 2012
48. **Secchi F**, Resta EC, Petrini M, Di Leo G, Carminati M, Sardanelli F. Two-years Follow-up by Cardiac Magnetic Resonance (CMR) After Percutaneous Pulmonary Valve Implantation (PPVI). ESCR 2012. **(Oral presentation)**
49. **Secchi F**, Petrini M, Nardella VG, Resta EC, Sardanelli F. Extra-cardiac Incidental Findings (ECIFs) on Clinical Cardiac Magnetic Resonance (CMR). ESCR 2012.
50. **Secchi F**, Resta EC, Petrini M, Nardella V, Carminati M, Sardanelli F. Two-years Follow-up by Cardiac Magnetic Resonance (CMR) After Percutaneous Pulmonary Valve Implantation (PPVI). RSNA 2012. **(Oral presentation)**
51. **Secchi F** Ebersberger U, P Blanke P, Rowe G, Sardanelli F, Schoepf UJ. Monoenergetic Extrapolation of Cardiac Dual Energy CT for Artifact Reduction. RSNA 2012. **(Oral presentation)**
52. Resta EC, **Secchi F**, Giardino A, Di Leo G, Bandera F, Guazzi M, Sardanelli F. A geometric index to differentiate abnormal from normal septal wall motion on cardiac MR imaging. EPOS, ECR 2013
53. **Secchi F**, Petrini M, Cannaò P, Di Leo G, Sardanelli F. Unenhanced ECG-trigger sequence in the evaluation of pulmonary arteries: comparison between HASTE and MR-angiography. EPOS, ECR 2013
54. **Secchi F**, Petrini M, Di Leo G, Menicanti L, Guazzi M, Sardanelli F. Right ventricle pump function after surgical ventricle restoration on cardiac magnetic resonance. EPOS, ECR 2013
55. **Secchi F**, Lanza E, Petrini M, Flor N, Sconfienza LM, Sardanelli F. Non-cardiac findings in clinical cardiac magnetic resonance: prevalence in three-hundred examinations after blind reassessment. EPOS, ECR 2013
56. Resta EC, **Secchi F**, Nardella VG, Di Leo G, Sardanelli F. Radiation dose in coronary 64-slice CT angiography (CCTA) in routine clinical practice. EPOS, ECR 2013
57. Cannaò P, **Secchi F**, Del Nevo A, Di Leo G, Sardanelli F. Cardiac findings in thoracic CT: did you notice? EPOS, ECR 2013
58. Resta EC, **Secchi F**, Petrini M, Di Leo G, Sardanelli F. Segmentation of Cardiac MR Cine Images of the Single Ventricle Malformation: Including or Excluding the Small Accessorial Ventricle? ESCR 2013
59. **Secchi F**, Petrini M, Di Leo G, Menicanti L, Guazzi M, Sardanelli F. Right ventricle pump function after surgical ventricle restoration on cardiac magnetic resonance. ESCR 2013
60. **Secchi F**, Petrini M, Cannaò P, Di Leo G, Sardanelli F. Measurement of the caliber of pulmonary arteries: accuracy of unenhanced MRI with MR angiography as reference standard. ESCR 2013
61. **Secchi F**, Belmonte M, Petrini M, Cannaò PM, Di Leo G, Sardanelli F. Myocardial MR Spectroscopy (MRS) as Early Indicator of Athlete's Heart and Hypertrophic Cardiomyopathy RSNA 2013. **(Oral presentation)**
62. Resta EC, **Secchi F**, Cannaò PM, Di Leo G, Carminati M, Sardanelli F. Percutaneous Pulmonary Valve Implantation: Long-Term Follow-up with Cardiac Magnetic Resonance. RSNA 2013.
63. **Secchi F**, Spairani R, Petrini M, Cartia F, Di Leo G, Sardanelli F. Myocardial MR

Spectroscopy (MRS) as Early Indicator of Athlete's Heart and Hypertrophic Cardiomyopathy ECR 2014. **(Oral presentation)**

64. Resta EC, **Secchi F**, Di Leo G, Bandera F, Guazzi M, Sardanelli F. A geometric index to differentiate abnormal from normal septal wall motion on cardiac MR imaging. EPOS, ECR 2014.
65. Petrini M, **Secchi F**, Spairani R, Messina C, Menicanti L, Guazzi M, Sardanelli F. Recoupling of cardiac ventricle pump function after surgical ventricle restoration: a cardiac magnetic resonance study. EPOS, ECR 2014.
66. Lanza E, **Secchi F**, Sardanelli F, Resta EC, Cannaò P, Nardella VG, Sconfienza LM. Cine-MRI of the heart for right ventricle volume assessments using long axis, axial and short axis planes: a comparative study. EPOS, ECR 2014.
67. **Secchi F**, Spairani R, Petrini M, Di Leo G, Sardanelli F. M Lombardi. Myocardial MR Spectroscopy (MRS) as Early Indicator of Athlete's Heart and Hypertrophic Cardiomyopathy Euro CMR 2014. **(Oral presentation)**
68. **Secchi F**, Cannaò PM, Pluchinotta FR, Butera G, Carminati M, Sardanelli F, Lombardi M. CMR Long-Term Follow-up of Patients Treated by Percutaneous Pulmonary Valve Implantation. Euro CMR 2014.
69. Pluchinotta F, **Secchi F**, Butera G, Carminati M, Sardanelli F, Lombardi M. Biventricular heart remodeling after percutaneous and surgical pulmonary valve implantation: a CMR study. Euro CMR 2014.
70. **Secchi F**, Spairani R, Petrini M, Di Leo G, Sardanelli F. M Lombardi. Myocardial MR Spectroscopy (MRS) as Early Indicator of Athlete's Heart and Hypertrophic Cardiomyopathy ESC 2014. **(Oral presentation)**
71. Resta EC, **Secchi F**, Cannaò PM, Di Leo G, Carminati M, Sardanelli F. Percutaneous Pulmonary Valve Implantation: Long-Term Follow-up with Cardiac Magnetic Resonance. ESCR 2014.
72. **Secchi F**, Resta E, Pluchinotta F, Butera G, Carminati M, Lombardi M, Sardanelli F. Biventricular heart remodeling after percutaneous and surgical pulmonary valve implantation: a CMR study. ESCR 2014.
73. **Secchi F**, Cannaò PM, Resta EC, Lombardi M, Sardanelli F. Low dose cardiac CT in children with congenital heart disease: radiation dose and diagnostic capability with a standard 64 slice CT. ESCR 2014.
74. **Secchi F**, Pluchinotta F, Resta E, Cannaò PM, Butera G, Carminati M, Lombardi M, Sardanelli F. Biventricular heart remodeling after percutaneous and surgical pulmonary valve implantation: a cardiac MR study. RSNA 2014. **(Oral presentation)**
75. **Secchi F**, Pluchinotta F, Resta E, Cannaò PM, Butera G, Carminati M, Lombardi M, Sardanelli F. Biventricular heart remodeling after percutaneous and surgical pulmonary valve implantation: a cardiac MR study. ECR 2015. **(Oral presentation)**
76. Resta EC, **Secchi F**, Cannaò PM, Di Leo G, Carminati M, Sardanelli F. Percutaneous Pulmonary Valve Implantation: Long-Term Follow-up with Cardiac Magnetic Resonance. ECR 2015.
77. **Secchi F**, Scarabello M, Damiani F, Petrini M, Di Leo G, Sardanelli F. Evaluation of aortic strain with MR imaging in different pathologic conditions: a retrospective study ECR 2015.
78. Petrini M, **Secchi F**, Pluchinotta FR, Carminati M, Chessa M, Sardanelli F. Assessment of pulmonary insufficiency by cardiac magnetic resonance using regurgitation fraction or

absolute value of reverse volume ECR 2015.

79. **Secchi F**, Resta EC, Cannao PM, Petrini M, Di Leo G, Sardanelli F. Prognostic value of late enhancement at cardiac magnetic resonance in patients with dilated cardiomyopathy: systematic review and meta-analysis. ECR 2015. (**Oral presentation**)
80. Merli I, Messina C, **Secchi F**, Di Leo G, Sconfienza LM, Sardanelli F. Magnetic Resonance Imaging Versus Chest Radiography in the Study of Lung Parenchyma: Preliminary Results. ECR 2015.
81. Pluchinotta FR, Butera G, **Secchi F**, Sardanelli F, Carminati M, Lombardi M. Right ventriculo-arterial coupling in repaired Fallot patients with pulmonary valve regurgitation before and after pulmonary valve implantation: A CMR study. Euro SCMR 2015
82. Ali M, Resta EC, Cannao PM, Petrini M, Di Leo G, **Secchi F**, Sardanelli F. Prognostic value of late enhancement at cardiac magnetic resonance in patients with dilated cardiomyopathy: systematic review and meta-analysis. ESCR 2015.
83. Scarabello M, Damiani F, Petrini M, Di Leo G, **Secchi F**, Sardanelli F. Evaluation of aortic strain with MR imaging in different pathologic conditions: a retrospective study ESCR 2015.
84. Cannao PM, Resta EC, Di Leo G, Carminati M, **Secchi F**, Sardanelli F. Percutaneous Pulmonary Valve Implantation: Long-Term Follow-up with Cardiac Magnetic Resonance. ESCR 2015.
85. **Secchi F**, Petrini M, Cozzi A, Cannao PM, Di Leo G, Sardanelli F. Validation of cardiac magnetic resonance (CMR) volume analysis in single ventricle patients. ESCR 2015. (**Oral presentation**)
86. **Secchi F**, Zambelli, Cozzi, Petrini, Cannao, Sardanelli. Epicardial adipose tissue evaluated with cardiac magnetic resonance in normal, ischemic and dilated heart. ESCR 2015.
87. Cannao PM, Petrini M, Scarabello M, **Secchi F**, Sardanelli F. Correlation between left ventricular insertion points delayed enhancement and right ventricular dilation with cardiac magnetic resonance in patients with congenital heart disease. ESCR 2015
88. **Secchi F**, Petrini M, Cannao PM, Carminati M, Chessa M, Sardanelli F. Assessment of pulmonary insufficiency by cardiac magnetic resonance using regurgitation fraction or absolute value of reverse volume RSNA 2015. (**Oral presentation**)
89. P.M. Cannao, E. C. Resta, **Secchi F**, A. Camporeale, M. Petrini, F. Sardanelli L. Menicanti, M. Lombardi, Surgical ventricular restoration (SVR): have an impact on right ventricular remodelling? ECR 2016.
90. **Secchi F**, Petrini M, Cozzi A, Cannao PM, Di Leo G, Sardanelli F. Validation of cardiac magnetic resonance (CMR) volume analysis in single ventricle patients. ECR 2016. (**Oral presentation**)
91. Cannao PM, Petrini M, Scarabello M, **Secchi F**, Sardanelli F. Correlation between left ventricular insertion points delayed enhancement and right ventricular dilation with cardiac magnetic resonance in patients with congenital heart disease. ECR 2016
92. **Secchi**, Cannao, Petrini, Perucchini, Ali, Sardanelli. Right ventricle native T1 mapping and pulmonary regurgitation in patients with congenital heart diseases. ESCR 2016 (**Oral presentation**)
93. **Secchi F**, Cannao PM, Petrini M, Scarabello M, Sardanelli F. Correlation between left ventricular insertion points delayed enhancement and right ventricular dilation with cardiac magnetic resonance in patients with congenital heart disease. RSNA 2016 (**Oral presentation**)

94. **Secchi**, Cannao, Petrini, Ali, Sardanelli, Lombardi. Right ventricle native T1 mapping and pulmonary regurgitation in patients with congenital heart diseases. EuroCMR 2017 (**Oral presentation**)
95. **Secchi** Cardiac magnetic resonance (CMR) feature tracking derived myocardial strain, delayed enhancement and edema in myocarditis. ESCR 2017 (**Oral presentation**)
96. Cannao...**Secchi** et al. Quantification and prognostic value of late gadolinium enhancement in non-ischemic dilated cardiomyopathy ESCR 2017
97. Petrini...**Secchi** et al. Epicardial Adipose Tissue Volume in Patients with Coronary Artery Disease or Non-ischemic dilated Cardiomyopathy: Evaluation with Cardiac Magnetic Resonance ESCR 2017
98. Trimboli...**Secchi** et al. Intra- and inter-operator variability of semi-automatic segmentation of breast arterial calcifications (BAC) on digital mammograms ESCR 2017
99. Codari...**Secchi** et al. Ascending aorta in 2D phase contrast CMR: Automatic identification and lumen segmentation ESCR 2017
100. Scarabello...**Secchi** et al. Impact of age, gender and cardiovascular disease on the ascending aortic strain measured on CMR ESCR 2017
101. Cannao...**Secchi** et al. Cardiac Magnetic Resonance Feature Tracking Derived Myocardial Strain, Delayed Enhancement and Edema in Myocarditis. RSNA 2017
102. Di Leo...**Secchi** et al. Safety of MRI in Patients with Conditional or Non-Conditional Pacemaker or Other Implantable Cardiac Electronic Devices (ICED): A Systematic Review. RSNA 2017
103. Schiaffino ...**Secchi** et al. Cardiac MR-derived Extracellular Volume (ECV) in Healthy Subjects: A Systematic Review and Meta-analysis. RSNA 2017
104. **Secchi** et al. Right Ventricle Native T1 Mapping and Pulmonary Regurgitation in Patients with Congenital Heart Diseases: Preliminary Data. RSNA 2017
105. Scarabello...**Secchi** et al. Strain of Ascending Aorta on Cardiac Magnetic Resonance in 1,027 Patients: Relation with Age, Gender, and Cardiovascular Disease. RSNA 2017
106. M. Codari, M. Scarabello, **F. Secchi**, C. Sforza, G. Baselli, F. Sardanelli. Fully automated segmentation of ascending aorta on phase-contrast cardiac MR images: application in healthy and aneurysmatic patients. ECR 2018
107. P. M. Cannao', F. Secchi, M. Scarabello, M. Ali, F. Sardanelli. The prognostic value of late gadolinium enhancement in non-ischaemic dilated cardiomyopathy. ECR 2018
108. M. Codari, C. De Angelis, M. Scarabello, F. Secchi, F. Sardanelli. Computer-aided semi-automatic quantification of epicardial fat volume on angio-CT images. ECR 2018
109. Monti...**Secchi** et al. Cardiac Magnetic Resonance Feature Tracking Derived Myocardial Strain, Delayed Enhancement and Edema in Myocarditis. RSNA 2018
110. Lastella...**Secchi** et al. Safe Follow-up after EndoVascular Aortic Repair (EVAR) with Non-contrast magnetic resonance imaging (NCMRI): the SAFEVAR Study (Preliminary Data). RSNA 2018
111. Monti C...**Secchi** F et al. Late gadolinium enhancement in cardiac magnetic resonance with different doses of contrast material in patients with chronic myocardial infarction. ECR 2019 (**Oral presentation**)



Abstracts in National Congress

1. **Secchi F**, Papini G, Giacomazzi F, Di Leo G, Sardanelli F, Cornalba G. Delayed enhancement miocardico: andamento temporale del CNR tra miocardio infartuato (MI) e miocardio sano (MS) e tra MI e cavità ventricolare sinistra (CVS) dopo singola dose frazionata di Gd-BOPTA. Radiol Med 2008; 113 (Suppl): 373. SIRM 2008.
2. **Secchi F**, Papini G, Giacomazzi F, Di Leo G, Sardanelli F, Cornalba G. Delayed enhancement miocardico: andamento temporale del CNR tra miocardio infartuato (MI) e miocardio sano (MS) e tra MI e cavità ventricolare sinistra (CVS) dopo doppia dose frazionata di Gd-BOPTA. Radiol Med 2008; 113 (Suppl): 373-374. SIRM 2008.
3. Papini G, **Secchi F**, Esseridou A, Quarenghi M, Sardanelli F, Cornalba G. Sicurezza ed efficacia della RM a 1.5 T in pazienti portatori di pacemaker e defibrillatori: risultati preliminari. Radiol Med 2008; 113 (Suppl): 188. SIRM 2008
4. **Secchi F**. Il ruolo della RM: cinetica ventricolare e perfusione. Imaging integrato nella diagnosi della coronaropatia ischemica cronica 2009
5. **Secchi F**, Giardino A, Di Terlizzi F, Tramarin M, Nano G, Sardanelli F, Cornalba GP. Studio RM morfologico, dinamico e flussimetrico degli endoleak dopo trattamento endovascolare di aneurisma dell'aorta addominale. ICEP 2009.
6. **Secchi F**, Di Leo G, Nardella V, Giardino A, Di Donato M, Menicanti L, Sardanelli F. Pattern atipico del delayed enhancement miocardico dopo rimodellamento ventricolare chirurgico. Convegno della Sezione di Cardioradiologia SIRM 2009 (**Oral presentation**).
7. **Secchi F**, Di Leo G, Nardella V, Giardino A, Di Donato M, Sardanelli F. Atypical Pattern of Myocardial Delayed Enhancement after Surgical Ventricle Restoration. ISMRM Italian Chapter 2010 (**Oral presentation**).
8. Di Leo G, **Secchi F**, malavazos A, Morricone L, Iacobellis G, Sardanelli F. Associazione tra lo spessore del tessuto adiposo epicardico e il contenuto di grasso miocardico. Radiol Med 115(Suppl 1):183. SIRM 2010
9. Giardino A, **Secchi F**, Turchetti C, Nardella A, Ciancio A, Sardanelli F. valutazione dell'accumulo di ferro miocardico e della frazione d'eiezione del ventricolo sinistro mediante RM in pazienti con thalassemia major. 44° Congresso SIRM. Radiol Med 115(Suppl 1):199
10. **Secchi F**, Papini G, Di Leo G, Piazza L, Carminati F, Sardanelli F. RM cardiaca prima e dopo impianto percutaneo di valvola polmonare. Radiol Med 115(Suppl 1):200. SIRM 2010 (**Oral presentation**).
11. **Secchi F**, Tresova D, Giardino A, Nardella V, Di Leo G, Sardanelli F. Imaging quantitativo cine -RM del ventricolo destro: confronto tra un piano obliquo dedicato e il piano asse-corto. Radiol Med 115(Suppl 1):362. SIRM 2010
12. **Secchi F**, Papini G, Di Leo G, Sardanelli F. Riproducibilità della segmentazione cardiaca di immagini cine-RM del ventricolo destro in pazienti con tetralogia di Fallot operata. Radiol Med 115(Suppl 1):362. SIRM 2010
13. **Secchi F**, Papini G, Nardella V, Giardino A, Di Leo G, Sardanelli F. Impatto clinico della RM cardiaca sulla diagnosi e la gestione delle patologie congenite cardio-aortiche: confronto tra risultati preliminari e recenti. Radiol Med 115(Suppl 1):362-363. SIRM 2010.
14. **Secchi F**, Nardella V, Papini G, Di Leo G, Carminati M, Sardanelli F. Valutazione in vitro di valvola polmonare transcateretere (Melody) mediante differenti sequenze RM. Radiol Med 115(Suppl 1):364. SIRM 2010

15. Di Leo G, Sconfienza L, Papini G, **Secchi F**, Flor N, Sardanelli F. Conformità al protocollo degli studi di accuratezza diagnostica: riproducibilità interosservatore. Radiol Med 115(Suppl 1):382-383. SIRM 2010
16. **Secchi F**, Giardino A, Resta EC, Bandera F, Di Leo G, Menicanti L, Sardanelli F. Funzione del VD dopo ventricoloplastica (VP) in risonanza magnetica cardiaca (RMC). Imaging After. Convegno della sezione di Cardioradiologia SIRM 2011 (**Oral presentation**).
17. **Secchi F**, Petrini M, Resta EC, Giardino A, Di Leo G, Sardanelli F. Reperti collaterali extra-cardiaci in risonanza magnetica cardiaca. Riassunti CO-01/44 (p.192). SIRM 2012 (**Oral presentation**)
18. Secchi F, Jabbour A, Pennell D, Mohiaddin R, Sardanelli F. Delayed enhancement dell'atrio sinistro alla RM cardiaca in pazienti con amiloidosi. Riassunti CO-01/32 (p.187). SIRM 2012 (**Oral presentation**).
19. **Secchi F**. Risonanza magnetica cardiaca prima e dopo ventricoloplastica. SIRM Raduno Lombardia 2012. Palazzo delle Stelline. (**Oral presentation**).
20. **Secchi F**, Resta EC, Cartia F, Giardino A, Di Leo G, Sardanelli F. Quantificazione del movimento del setto interventricolare con un indice geometrico in RM cardiaca. SIRM Sezione di cardioradiologia 2014 (**Oral presentation**).
21. **Secchi F**, Resta EC, Cannaò PM, Di Leo G, Carminati M, Sardanelli F. Valore diagnostico della risonanza magnetica cardiaca (RMC) nella valutazione del gradiente pressorio polmonare prima e quattro mesi dopo l'impianto di stent valvolato transcateretere. SIRM Sezione di cardioradiologia 2014 (**Oral presentation**).
22. **Secchi F**, Spairani R, Petrini M, Messina C, Di Leo G, Sardanelli F. Studio del metabolismo miocardico con spettroscopia a risonanza magnetica: cardiomiopatia ipertrofica (CMI) versus cuore d'atleta. SIRM 2014 (**Oral presentation**).
23. **Secchi F**, Togni M, Messina C, Di Leo G, Sardanelli F. Valore prognostico del late enhancement nella cardiomiopatia dilatativa non ischemica in RM cardiaca: revisione sistematica e meta analisi. SIRM 2014 (**Oral presentation**).
24. Fisci E, **Secchi F**, Di Leo G, Sardanelli F. Accuratezza diagnostica della risonanza magnetica coronarica nella valutazione della patologia aterosclerotica: revisione sistematica e meta-analisi. SIRM 2014
25. Butera G; Pluchinotta FR; **Secchi F**; Sardanelli F; Carminati M; Lombardi L. Patients with pulmonary valve regurgitation before and after pulmonary valve implantation: a cmr study. SICPED 2014
26. **Secchi F**, Spairani R, Petrini M, Di Leo G, Sardanelli F, Lombardi M. Studio del metabolismo miocardico con spettroscopia a risonanza magnetica: cardiomiopatia ipertrofica (CMI) versus cuore d'atleta. SIC 2014 (**Oral presentation**).
27. **Secchi F**, Resta EC, Pulchinotta FR, Carminati M, Sardanelli F, Lombardi M. RM cardiaca prima e dopo impianto percutaneo di valvola polmonare. SIC 2014 (**Oral presentation**)
28. **Secchi F**, Petrini M, Cozzi A, Cannaò PM, Di Leo G, Sardanelli F. Validation of cardiac magnetic resonance (CMR) volume analysis in single ventricle patients. SIRM Sezione di cardioradiologia 2016. (**Oral presentation**)
29. Petrini M, **Secchi F**, Zambelli, Cozzi, , Cannaò, Sardanelli. Epicardial adipose tissue evaluated with cardiac magnetic resonance in normal, ischemic and dilated heart. SIRM Sezione di cardioradiologia 2016.
30. Resta E, **Secchi F**, Pluchinotta F, Cannaò PM, Butera G, Carminati M, Lombardi M, Sardanelli

F. Biventricular heart remodeling after percutaneous and surgical pulmonary valve implantation: a cardiac MR study. SIRM Sezione di cardiologia 2016.

31. Petrini M, **Secchi F**, Scarabello M, Damiani F, Di Leo G, Sardanelli F. Evaluation of aortic strain with MR imaging in different pathologic conditions: a retrospective study. SIRM Sezione di cardiologia 2016.

#### Author book chapters

1. **Secchi F**, Giardino A, Sardanelli F. Coronaro-RM, In: De Cobelli F. Natale L, eds. Risonanza magnetica cardiaca. Milano: Springer-Verlag Italia, 2010: 103-119. ISBN 978-88-470-1649-1.
2. Sconfienza, Mauri, **Secchi**. Ultrasound System Set Up and General Semeiology In: Francesco Prada, Luigi Solbiati, Alberto Martegani, Francesco DiMeco eds. Intraoperative Ultrasound (IOUS) in Neurosurgery. Springer-Verlag, 2015: 21-28 ISBN: 978-3-319-25266-7.
3. CRL Rodrigues, **F Secchi**, M Lombardi, C Bucciarelli-Ducci, F Pugliese. Extracardiac Findings in: the EACVI/ESC textbook of cardiovascular magnetic resonance. 2018

#### Teaching activity

1. Elective course in cardiac MR and CT for medical student. University of Milan, School of Medicine (2009, 2010, 2012, 2013, 2014, 2015, 2017, 2018, 2019)
2. Tutor during “Imaging e metodologia della ricerca at IRCCS Policlinico San Donato” congress, Milan, Italy (2012)
3. Coordinator of a week session of lessons of cardiovascular radiology for residents in radiology. University of Milan (2012, 2014, 2015, 2018, 2019)
4. Assistant lecturer in cardiac CT for technician’s students (Course title: Clinical application of CT). University of Milan (01-2013)
5. Mentor for the final thesis discussion of medical school. Thesis entitled: “Studio del metabolismo miocardico con spettroscopia a risonanza magnetica: cardiomiopatia ipertrofica versus cuore d’atleta” (2013).
6. Assistant lecturer in cardiovascular CT and MRI for technician’s students (Course title: Clinical application of CT and MRI). University of Milan (2013, 2015)
7. Mentor for the final thesis discussion of medical school. Thesis entitled: “Evaluation of aortic strain with MR imaging in different pathologic conditions: a retrospective study.” (2014).
8. Tutor of internship course in cardiac MR and CT for medical student (2015)
9. Mentor for the final thesis discussion of medical school. Thesis entitled: “Sicurezza e performance diagnostica della RM in pazienti portatori di pacemaker o defibrillatori non RM-compatibili: studio prospettico.” (2015).
10. Mentor for the final thesis discussion of medical school. Thesis entitled: “Cardiac findings in thoracic CT: did you notice?” (2016).
11. Assistant lecturer in cardiovascular MRI for technician’s students (Course title: Clinical application MRI). University of Milan (2016, 2017, 2018)
12. Mentor for the final thesis discussion of medical school. Thesis entitled: “Signs Of Pulmonary Hypertension on Cardiac CT Scans?” (2016).
13. Mentor for the final thesis discussion of medical school. Thesis entitled: “Diagnostic accuracy of fast thoracic non-contrast MRI versus chest radiography for cardiac and non-cardiac findings?” (2016).
14. Mentor for the final thesis discussion of medical school. Thesis entitled: “Chronotropic effect

- of sedation for cardiac CT in pediatric patients: impact on image quality” (2017).
15. Mentor for the final thesis discussion of medical school. Thesis entitled: “Prognostic value of late gadolinium enhancement in non-ischemic dilated cardiomyopathy” (2017).
  16. Mentor for the final thesis discussion of medical school. Thesis entitled: “il ruolo dello strain miocardico alla cardio-rm nelle miocarditi” (2017).
  17. Mentor for the final thesis discussion of medical school. Thesis entitled: “studio di cardio-risonanza magnetica delle miocarditi: edema miocardico e late gadolinium enhancement” (2017).
  18. Mentor for the final thesis discussion of medical school. Thesis entitled: “Image quality of a 1-Tesla open MRI scanner for evaluation of cardiac disease” (2017).
  19. Assistant lecturer in vascular MRI and CT or vascular surgeon resident (Course title: Advanced imaging in vascular applications) University of Milan (2017, 2018, 2019)
  20. Mentor for the final thesis discussion of medical school. Thesis entitled: “reproducibility of myocardial strain by cardiac magnetic resonance” (2018)
  21. Mentor for the final thesis discussion of medical school. Thesis entitled: “Semi-Automated Blood-threshold CMR Volume Analysis of Functional Univentricular Heart” (2018)
  22. Mentor for the final thesis discussion of medical school. Thesis entitled: “Assessment of pulmonary insufficiency by cardiac magnetic resonance using regurgitation fraction or absolute value of reverse volume” (2018)
  23. Mentor for the final thesis discussion of medical school. Thesis entitled: “aortic annulus deformation and aortic valve calcifications in patients referred for transcatheter aortic valve implantation: a dynamic ct study” (2018)
  24. Mentor for the final thesis discussion of medical school. Thesis entitled: “late gadolinium enhancement in cardiac magnetic resonance with different doses of contrast material in patients with chronic myocardial infarction” (2018)
  25. Mentor for the final thesis discussion of residency in radiology. Thesis entitled: “Assessment of pulmonary insufficiency by cardiac magnetic resonance using regurgitation fraction or absolute value of reverse volume” (2018)
  26. Mentor for the final thesis discussion of medical school. Thesis entitled: “Cine cardiac magnetic resonance volume analysis with two different approaches: a reproducibility study” (2019)

Peer Review Activity for:

- 2012 – today: Invited reviewer for *Acta Radiologica*  
2012 – today: Invited reviewer for *Journal of Clinical Imaging Science*  
2013 – today: Invited reviewer for *Journal of Cardiovascular Medicine*  
2013 – today: Invited reviewer for *European Journal of Radiology*  
2014 – today: Invited reviewer for *European Radiology*  
2016 – today: Invited reviewer for *BioMed Research International*  
2017 – today: Invited reviewer for *European Radiology Experimental*  
2017 – today: Invited reviewer for *Cardiology in the Young*  
2018 – today: Invited reviewer for *Journal of Thoracic Imaging*  
2018 – today: Invited reviewer for *European Journal of Cardio-Thoracic Surgery*

Editorial Board Member for:

- 2019 – today: The General Surgeon Journal