

## GENERAL INFORMATION

Valentina Volpato

Citizenship: Italian

Date of Birth: May 27<sup>th</sup> 1986

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## PRESENTATION

I'm a cardiologist with extensive experience in the field of cardiovascular imaging, mainly echocardiography, and with strong experience in the clinical field.

During my career I acquired an in-deep knowledge in the full range of echocardiographic techniques, including transthoracic, transesophageal, stress and exercise echocardiography, and I specialized in structural echocardiography, working side by side with interventional cardiologists and heart surgeons.

At the same time, I've developed and consolidated my knowledge of cardiac magnetic resonance imaging for the evaluation of heart diseases in adults. During my career I've performed about 10.000 transthoracic echo examinations, 900 transesophageal echo, 1500 stress/exercise echo and 500 cardiac magnetic resonance studies.

I've gained seven years of significant experience as clinical cardiologist working as Consultant Cardiologist in three major hospitals in Milan (Milan - Italy), focusing mostly on patients with heart failure, valvular disease and cardiomyopathies.

From September 2022 to June 2025, I served as Echo Lab director at the Galeazzi-Sant' Ambrogio Hospital in Milan (Milan – Italy). Since July 2025, I've been working as consultant Cardiologist and Echo Lab director at Sheikh Khalifa Medical City (Abu Dhabi).

Over the years, I've broadened my interest in scientific activity as the first author or co-author of some scientific papers. During my research fellowship in cardiac imaging in the U.S.A., I also had the opportunity to collaborate in the development of software for echocardiographic analysis for a worldwide leading company, with which I still work together to carry out training courses in Italy and Europe.

One of the most important aspect of my job is the possibility to integrate cardiac imaging and clinical activity in order to guarantee every patient the most appropriate diagnostic and therapeutic advancements.

## PROFESSIONAL TRAINING

- Degree in Medicine and Surgery at the San Raffaele University (Milan, Italy) with 110/110 and cum laude et menzione ad honorem in July 2011.
- Registration to the Order of the Physicians in February 2012.
- Fellowship and specialization in Cardiovascular Diseases at the Cardiological Center Monzino IRCCS (University of Milan, Italy) with 70/70 cum laude from August 2013 to September 2018.  
During the fellowship I deepened the knowledge of echocardiography, cardiac CT and cardiac MRI at the Imaging Dept. of Cardiological Center Monzino directed by Dr. Mauro Pepi under the guidance of Prof. Daniele Andreini.
- Research Fellowship in Cardiovascular Imaging and three-dimensional echocardiography at the Imaging Dept. of the University of Chicago (U.S.A.) directed by Prof. R.M. Lang from May 2017 to June 2018.  
During the fellowship I continued learning and empowering my skills on advanced echocardiography and structural echocardiography as well as on cardiac MRI.
- EACVI Board in transthoracic echocardiography in September 2017.
- EACVI Board in transesophageal echocardiography in November 2025.
- Abbot MitraClip physician training license in September 2022.
- Abbot TriClip physician training license in October 2022.

## SPOKEN LANGUAGES

Italian: mother language

English: very good

## EMPLOYMENT HISTORY

- **October 2018 – December 2020.** Cardiologist and cardiac imaging consultant; Cardiac Imaging Dept. of the Cardiac Center Monzino IRCCS (Milan, Italy) directed by Dr. Mauro Pepi.
- **January 2021 – July 2022.** Cardiologist and cardiac imaging consultant; Cardiac Imaging Dept. of the Auxologico Hospital IRCCS (Milan, Italy) directed by Prof. Luigi P. Badano.
- **September 2022 – June 2025.** Cardiologist consultant and Echo Lab director; Cardiology Dept. of the Galeazzi-Sant’Ambrogio Hospital IRCCS (Milan, Italy) directed by Prof. Daniele Andreini.

## EMPLOYMENT STATUS

Consultant Cardiologist and Echo Lab director in the Cardiology Department directed by Dr. Rizwan Ahmed at Sheikh Khalifa Medical City (Abu Dhabi) since July 2025.

As a cardiologist, I carry out clinical activities both in the outpatient clinic and in the cardiology ward. I also serve as the director of the Echocardiography Laboratory, where I perform first- and second-level studies, including exercise/stress echocardiogram and transesophageal examinations.

## SPEAKER AT NATIONAL/INTERNATIONAL CONGRESS

1. Valentina Volpato, Noreen Nazir, Neha Goyal, Keigo Kawaji, Luis Landeras, Kohei Matsumoto, John E. A. Blair, Victor Mor-Avi, Roberto M. Lang, Amit R. Patel. *Should Left Ventricular Global Longitudinal Strain Replace Ejection Fraction as the Preferred Measurement to Quantify Left Ventricular Systolic Function?* SCMR 2018 (Barcelona).
2. Valentina Volpato, Megan Yamat, Federico Veronesi, Lynn Weinert, Gloria Tamborini, Manuela Muratori, Laura Fusini, Mauro Pepi, Victor Mor-Avi, Roberto M. Lang, Karima Addetia. *Echocardiographic Assessment of the Tricuspid Annulus: Does Measurement Methodology Matter?* ASE 2018 (Nashville).
3. Valentina Volpato, Roberto M. Lang, Francesco Maffessanti, Amit R. Patel, Victor Mor-Avi, Karima Addetia. *Is 3D Analysis of Longitudinal Strain Useful for the Assessment of Apical Sparing in Cardiac Amyloidosis?* EuroEcho 2018 (Milan).
4. Valentina Volpato, Megan Yamat, Federico Veronesi, Lynn Weinert, Gloria Tamborini, Manuela Muratori, Laura Fusini, Mauro Pepi, Victor Mor-Avi, Roberto M. Lang, Karima Addetia. *Assessment of the Tricuspid Annulus in sinus rhythm and atrial fibrillation: does measurement methodology matter?* EuroEcho 2018 (Milan).
5. Valentina Volpato, Victor Mor-Avi, Federico Veronesi, Karima Addetia, Lynn Weinert, Megan Yamat, Gloria Tamborini, Mauro Pepi, Roberto M. Lang. *Three-Dimensional Echocardiography: The Mechanisms of Tricuspid Annular Dilatation.* EuroEcho 2018 (Milan).
6. Valentina Volpato, Akhil Narang, Neha Goyal, David Prater, Nita Kumari, Gloria Tamborini, Laura Fusini, Manuela Muratori, Mauro Pepi, Karima Addetia, Amit R. Patel, Victor Mor-Avi, Roberto M. Lang. *3D Echocardiographic Automated Quantification of Left Ventricular and Left Atrial Time-volume Curves: Comparison with MRI.* ASE 2018 (Nashville).
7. Valentina Volpato, Valentina Mantegazza, Paola Gripari, Laura Manfredonia, Laura Fusini, Gloria Tamborini, Mauro Pepi. *Is 3D Analysis of Longitudinal Strain Useful to Predict Cardiac Events in Patients Undergoing Mitral Valve Repair?* EuroEcho 2019 (Vienna).

8. Valentina Volpato, Valentina Mantegazza, Paola Gripari, Laura Manfredonia, Laura Fusini, Gloria Tamborini, Mauro Pepi. *Long term follow-up after early mitral valve surgery. Role of 3D echocardiographic right chambers evaluation in predicting tricuspid regurgitation development.* EuroEcho 2019 (Vienna).
9. VA. Sassi, M. Mapelli, E. Salvioni, I. Mattavelli, V. Mantegazza, V. Volpato, C. Vignati, F. De Martino, S. Paolillo, L. Fusini, M. Muratori, M. Pepi, PG. Agostoni. *Early cardiac reverse remodeling in a large cohort of patients with HFrEF treated with Sacubitril/Valsartan.* EuroEcho 2019 (Vienna).
10. Valentina Volpato, Valentina Mantegazza, Gloria Tamborini, Paola Gripari, Manuela Muratori, Laura Fusini, Mauro Pepi. *Is 3D analysis of longitudinal strain useful to predict long-term cardiac events in patients undergoing early mitral valve surgery?.* ESC 2020, web presentation.

#### **TEACHER AT NATIONAL/INTERNATIONAL COURSES**

1. *Machine-learning algorithm for the evaluation of left chambers;* speaker for Philips at the MtE session, EuroEcho 2018 (Milan)
2. *How can echo help in the comprehensive assessment of the left ventricle? Clinical cases to understand the value of a 3D transthoracic A.I. driven tool;* speaker for Philips at the MtE session, ESC 2019 (Paris)
3. *Right-ventricle-the forgotten heart chamber? Clinical cases to understand the value of a 3D transthoracic A.I. driven tool;* speaker for Philips at the MtE session, ESC 2019( Paris)
4. *Revealing new insights of structural valve disease. Clinical cases where transillumination has changed our clinical perspective;* speaker for Philips at the MtE session, ESC 2019 (Paris)
5. *How can echo help in the comprehensive assessment of the left ventricle;* teacher for Philips at the Tutorial session, ESC 2019 (Paris)
6. *Right-ventricle-the forgotten heart chamber? When and how should we analyze it ;* teacher for Philips at the Tutorial session, ESC 2019 (Paris)
7. *How can echo help in the comprehensive assessment of the left ventricle;* teacher for Philips at the Tutorial session, EuroEcho 2019 (Vienna)
8. *Right-ventricle-the forgotten heart chamber? When and how should we analyze it ;* teacher for Philips at the Tutorial session, EuroEcho 2019 (Vienna)
9. *Right-ventricle-the forgotten heart chamber? When and how should we analyze it;* teacher for Philips at the Tutorial session, ESC 2020, Web presentation.
10. *The role of advanced echocardiography to assess the pathophysiology and severity of functional MR;* speaker at Innovation in patient-centered multimodality cardiac imaging 2021, Web presentation.
11. *The assessment of myocardial damage. Perspectives from echocardiography and magnetic resonance imaging;* speaker at Innovation in patient-centered multimodality cardiac imaging 2021, Web presentation.

12. *Comprehensive assessment of right heart failure*; teacher for Philips at the hands-on session ESC 2022, Barcelona (Spain).
13. *Left heart strain -why and how-*; teacher for Philips at the hands-on session ESC 2022, Barcelona (Spain).
14. *Comprehensive assessment of Right Heart Failure, a Multimodality Approach*; teacher for the TomTec Accademy, Web presentation.
15. *HFpEF and HFpEF like disease. A multimodality imaging approach*; teacher for Philips at the hands-on session EACVI 2023, Barcelona (Spain).
16. *Teacher at the ESC transesophageal course in Prague in October 2022.*
17. *Multimodality assessment of the right ventricle*; teacher for Philips SIECVI 2024, Milan (Italy).

## PEER-REVIEW PUBLICATIONS

1. Volpato V, Melotti E. 'Ecocardiografia', Manuale pratico di Malattie dell'Apparato Cardiovascolare. Editors Andreini D, Carugo S. Chapter 20. Edizioni Minerva Medica. *To be printed.*
2. Marchetti D, Di Lenarda F, Novembre ML, Paolisso P, Schillaci M, Melotti E, Doldi M, Terzi R, Gallazzi M, Conte E, Volpato V, Bartorelli A, Andreini D. Contemporary Echocardiographic Evaluation of Mitral Regurgitation and Guidance for Percutaneous Mitral Valve Repair. *J Clin Med.* 2023 Nov 15;12(22):7121.
3. Muscogiuri G, Volpato V, Cau R, Chiesa M, Saba L, Guglielmo M, Senatieri A, Chierchia G, Pontone G, Dell'Aversana S, Schoepf UJ, Andrews MG, Basile P, Guaricci AI, Marra P, Muraru D, Badano LP, Sironi S. Application of AI in cardiovascular multimodality imaging. *Heliyon.* 2022 Oct 5;8(10):e10872.
4. Volpato V, Ciampi P, Johnson R, Hipke K, Tomaselli M, Oliverio G, Muraru D, Badano LP, Lang RM. Feasibility and Time Analysis of Three-Dimensional and Myocardial Deformation versus Conventional Two-Dimensional Echocardiography to Assess Cardiac Chambers. *J Am Soc Echocardiogr.* 2022 Oct;35(10):1102-1105.
5. Muscogiuri G, Guaricci AI, Cau R, Saba L, Senatieri A, Chierchia G, Pontone G, Volpato V, Palmisano A, Esposito A, Basile P, Marra P, D'angelo T, Booz C, Rabbat M, Sironi S. Multimodality imaging in acute myocarditis. *J Clin Ultrasound.* 2022 Oct;50(8):1097-1109.
6. Muscogiuri G, Guglielmo M, Serra A, Gatti M, Volpato V, Schoepf UJ, Saba L, Cau R, Faletti R, McGill LJ, De Cecco CN, Pontone G, Dell'Aversana S, Sironi S. Multimodality Imaging in Ischemic Chronic Cardiomyopathy. *J Imaging.* 2022 Feb 1;8(2):35.
7. Florescu DR, Muraru D, Volpato V, Gavazzoni M, Caravita S, Tomaselli M, Ciampi P, Florescu C, Bălșeanu TA, Parati G, Badano LP. Atrial Functional Tricuspid Regurgitation as a Distinct Pathophysiological and Clinical Entity: No Idiopathic Tricuspid Regurgitation Anymore. *J Clin Med.* 2022 Jan 13;11(2):382.

8. Mapelli M, Mattavelli I, Salvioni E, Banfi C, Ghilardi S, De Martino F, Gugliandolo P, Mantegazza V, Volpato V, Basile C, Branco Pires MIF, Sassi V, Nusca B, Vignati C, Contini M, Sforza C, Biondi ML, Perrone Filardi P, Agostoni P. Impact of Sacubitril/Valsartan on surfactant binding proteins, central sleep apneas, lung function tests and heart failure biomarkers: Hemodynamic or pleiotropism? *Front Cardiovasc Med*. 2022 Sep 15;9:971108.
9. Torlasco C, Castelletti S, Soranna D, Volpato V, Figliozzi S, Menacho Medina K, Cernigliaro F, Zambon A, Kellman P, Moon J, Badano LP, Parati G. The EFFECTIVE Study: development and application of a question-driven, time-effective cardiac magnetic resonance scanning protocol. *J Am Heart Assoc*. 2022 Jan 4;11(1):e022605.
10. van Wijngaarden AL, Mantegazza V, Hiemstra YL, Volpato V, van der Bijl P, Pepi M, Palmen M, Delgado V, Ajmone Marsan N, Tamborini G, Bax JJ. Prognostic Impact of Extra-Mitral Valve Cardiac Involvement in Patients With Primary Mitral Regurgitation. *JACC Cardiovasc Imaging*. 2022 Jan 11:S1936-878X(21)00837-8.
11. Mantegazza V, Volpato V, Mapelli M, Sassi V, Salvioni E, Mattavelli I, Tamborini G, Agostoni P, Pepi M. Cardiac Reverse Remodelling by 2D and 3D Echocardiography in Heart Failure Patients Treated with Sacubitril/Valsartan. *Diagnostics (Basel)*. 2021 Oct 6;11(10):1845.
12. Caravita S, Figliozzi S, Florescu DR, Volpato V, Oliverio G, Tomaselli M, Torlasco C, Muscogiuri G, Cernigliaro F, Parati G, Badano L, Muraru D. Recent advances in multimodality imaging of the tricuspid valve. *Expert Rev Med Devices*. 2021 Nov;18(11):1069-1081.
13. Mantegazza V, Volpato V, Gripari P, Ghulam Ali S, Fusini L, Italiano G, Muratori M, Pontone G, Tamborini G, Pepi M. Response to: 'Size of the Shadow'. *Heart*. 2021 Jan 28;heartjnl-2020-318919.
14. Mantegazza V, Volpato V, Gripari P, Ghulam Ali S, Fusini L, Italiano G, Muratori M, Pontone G, Tamborini G, Pepi M. Multimodality imaging assessment of mitral annular disjunction in mitral valve prolapse. *Heart*. 2021 Jan;107(1):25-32.
15. Volpato V, Badano LP, Figliozzi S, Florescu DR, Parati G, Muraru D. Multimodality cardiac imaging and new display options to broaden our understanding of the tricuspid valve. *Curr Opin Cardiol*. 2021 Sep 1;36(5):513-524.
16. Florescu DR, Badano LP, Tomaselli M, Torlasco C, Târtea GC, Bălșeanu TA, Volpato V, Parati G, Muraru D. Automated left atrial volume measurement by two-dimensional speckle-tracking echocardiography: feasibility, accuracy, and reproducibility. *Eur Heart J Cardiovasc Imaging*. 2021 Oct. doi: 10.1093/ehjci/jeab199.
17. Volpato V, Mantegazza V, Tamborini G, Gripari P, Muratori M, Fusini L, Zanobini M, Alamanni F, Pepi M. Tricuspid annular dilation in patients undergoing early mitral valve surgery: is it an old story? *Int J Cardiovasc Imaging*. 2021 Aug;37(8):2439-2446.
18. Florescu DR, Muraru D, Florescu C, Volpato V, Caravita S, Perger E, Bălșeanu TA, Parati G, Badano LP. Right heart chambers geometry and function in patients with the atrial and the ventricular phenotypes of

- functional tricuspid regurgitation. *Eur Heart J Cardiovasc Imaging*. 2021 Nov 8;jeab211. doi: 10.1093/ehjci/jeab211.
19. Mantegazza V, Volpato V, Gripari P, Ghulam Ali S, Fusini L, Italiano G, Muratori M, Pontone G, Tamborini G, Pepi M. Response to : 'Size of the shadow'. *Heart*. 2021, doi: 10.1136/heartjnl-2020- 318919.
  20. Tamborini G, Mantegazza V, Penso M, Muratori M, Fusini L, Ali SG, Cefalù C, Italiano G, Volpato V, Gripari P, Caiani EG, Zanobini M, Pepi M. Predictive Value of Pre-Operative 2D and 3D Transthoracic Echocardiography in Patients Undergoing Mitral Valve Repair: Long Term Follow Up of Mitral Valve Regurgitation Recurrence and Heart Chamber Remodeling. *J Cardiovasc Dev Dis*. 2020 Oct 20;7(4):46.
  21. Volpato V, Mantegazza V, Tamborini G, Muratori M, Gripari P, Andreini D, Fusini L, Ghulam Ali S, Cefalù C, Italiano G, Pepi M. Diagnostic Accuracy of Transillumination in Mitral Valve Prolapse: Side-by-Side Comparison of Standard Transthoracic Three- Dimensional Echocardiography against Surgical Findings. *J Am Soc Echocardiogr*. 2020 Oct 6:S0894-7317(20)30549-6.
  22. Goyal N, Mor-Avi V, Volpato V, Narang A, Wang S, Salerno M, Lang RM, Patel AR. Machine learning based quantification of ejection and filling parameters by fully automated dynamic measurement of left ventricular volumes from cardiac magnetic resonance images *Magn Reson Imaging*. 2019 Dec 12; 67:28-32.
  23. Volpato V, Mor-Avi V, Veronesi F, Addetia K, Yamat M, Weinert L, Genovese D, Tamborini G, Pepi M, Lang RM. Three-dimensional echocardiography investigation of the mechanisms of tricuspid annular dilatation. *Int J Cardiovasc Imaging*. 2019 Aug 20.
  24. Mantegazza V, Tamborini G, Muratori M, Gripari P, Fusini L, Italiano G, Volpato V, Sassi V, Pepi M. Mitral Annular Disjunction in a Large Cohort of Patients With Mitral Valve Prolapse and Significant Regurgitation. *JACC Cardiovasc Imaging*. 2019 Aug 8.
  25. Genovese D, Mor-Avi V, Palermo C, Muraru D, Volpato V, Kruse E, Yamat M, Aruta P, Addetia K, Badano LP, Lang RM. Comparison Between Four-Chamber and Right Ventricular-Focused Views for the Quantitative Evaluation of Right Ventricular Size and Function. *J Am Soc Echocardiogr*. 2019 Apr;32(4):484-494.
  26. Volpato V, Mor-Avi V, Narang A, Prater D, Gonçalves A, Tamborini G, Fusini L, Pepi M, Patel AR, Lang RM. Automated, machine learningbased, 3D echocardiographic quantification of left ventricular mass. *Echocardiography* 2018, Feb;36(2):312-319.
  27. Volpato V, Lang RM, Yamat M, Veronesi F, Weinert L, Tamborini G, Muratori M, Fusini L, Pepi M, Genovese D, Mor-Avi V, Addetia K. Echocardiographic Assessment of the Tricuspid Annulus: The Effects of the Third Dimension and Measurement Methodology. *J Am Soc Echocardiogr*. 2018.
  28. Narang A, Mor-Avi V, Prado A, Volpato V, Prater D, Tamborini G, Fusini L, Pepi M, Goyal N, Addetia K, Gonçalves A, Patel AR, Lang RM. Machine learning based automated dynamic quantification of left heart chamber volumes. *Eur Heart J Cardiovasc Imaging*. 2018.
  29. Genovese D, Singh A, Volpato V, Kruse E, Weinert L, Yamat M, Mor-Avi V, Addetia K, Lang RM. Load Dependency of Left Atrial Strain in Normal Subjects. *J Am Soc Echocardiogr*. 2018 Nov; 31(11):1221-1228.

30. Medvedofsky D, Lang RM, Kruse E, Guile B, Weinert L, Ciszek B, Jacobson Z, Negron J, Volpato V, Prado A, Patel AR, Mor-Avi V. Feasibility of Left Ventricular Global Longitudinal Strain Measurements from Contrast-Enhanced Echocardiographic Images. *J Am Soc Echocardiogr.* 2018 Mar;31(3):297-303.
31. Andreini D, Pontone G, Mushtaq S, Mancini ME, Conte E, Guglielmo M, Volpato V, Annoni A, Baggiano A, Formenti A, Ditali V, Perchinunno M, Fiorentini C, Bartorelli AL, Pepi M. Image quality and radiation dose of coronary CT angiography performed with whole-heart coverage CT scanner with intra-cycle motion correction algorithm in patients with atrial fibrillation. *Eur Radiol.* 2018 Apr;28(4):1383-1392.
32. Medvedofsky D, Mor-Avi V, Kruse E, Guile B, Ciszek B, Weinert L, Yamat M, Volpato V, Addetia K, Patel AR, Lang RM. Quantification of Right Ventricular Size and Function from Contrast-Enhanced Three-Dimensional Echocardiographic Images. *J Am Soc Echocardiogr.* 2017 Dec;30(12):1193-1202.
33. Andreini D, Pontone G, Mushtaq S, Conte E, Perchinunno M, Guglielmo M, Volpato V, Annoni A, Baggiano A, Formenti A, Mancini ME, Beltrama V, Ditali V, Campari A, Fiorentini C, Bartorelli AL, Pepi M. Atrial Fibrillation: Diagnostic Accuracy of Coronary CT Angiography Performed with a Whole-Heart 230- $\mu$ m Spatial Resolution CT Scanner. *Radiology.* 2017 Sep;284(3):676-684.
34. Lee SE, Chang HJ, Rizvi A, Hadamitzky M, Kim YJ, Conte E, Andreini D, Pontone G, Volpato V, Budoff MJ, Gottlieb I, Lee BK, Chun EJ, Cademartiri F, Maffei E, Marques H, Leipsic JA, Shin S, Choi JH, Chung N, Min JK. Rationale and design of the Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography Imaging (PARADIGM) registry: A comprehensive exploration of plaque progression and its impact on clinical outcomes from a multicenter serial coronary computed tomographic angiography study. *Am Heart J.* 2016 Dec;182:72-79.
35. Mushtaq S, Andreini D, Farina S, Salvioni E, Pontone G, Sciomer S, Volpato V, Agostoni P. Levosimendan improves exercise performance in patients with advanced chronic heart failure. *ESC Heart Fail.* 2015 Sep;2(3):133-141.
36. Conte E, Annoni A, Pontone G, Mushtaq S, Guglielmo M, Baggiano A, Volpato V, Agalbato C, Bonomi A, Veglia F, Formenti A, Fiorentini C, Bartorelli AL, Pepi M, Andreini D. Evaluation of coronary plaque characteristics with coronary computed tomography angiography in patients with non-obstructive coronary artery disease: a long-term follow-up study. *Eur Heart J Cardiovasc Imaging.* 2017 Oct 1;18(10):1170-1178.
37. Andreini D, Mushtaq S, Conte E, Segurini C, Guglielmo M, Petullà M, Volpato V, Annoni A, Baggiano A, Formenti A, Bartorelli AL, Fiorentini C, Pepi M. Coronary CT angiography with 80 kV tube voltage and low iodine concentration contrast agent in patients with low body weight. *J Cardiovasc Comput Tomogr.* 2016 Jul-Aug;10(4):322-6.
38. Andreini D, Pontone G, Mushtaq S, Bertella E, Conte E, Segurini C, Giovannardi M, Baggiano A, Annoni A, Formenti A, Petullà M, Beltrama V, Volpato V, Bartorelli AL, Trabattoni D, Fiorentini C, Pepi M. Diagnostic Accuracy of Rapid Kilovolt Peak-Switching Dual-Energy CT Coronary Angiography in Patients With a High Calcium Score. *JACC Cardiovasc Imaging.* 2015 Jun;8(6):746-8.