

Stefano Caselli, MD, PhD, FASE, FESC

EUROPEAN CURRICULUM VITAE FORMAT



Personal Information:

Name Stefano Caselli
Nationality Italian
Occupational Field Cardiology
Expertise Echocardiography including advanced techniques.
Cardiomyopathies
Sports Cardiology

Clinical and Academic Experience

2016 January Elected 2016-2018 Nucleus Member of the EACPR “Sports Cardiology” Section.
2015 “Fellow of the European Society of Cardiology” (FESC)
2012 “Fellow of the American Society of Echocardiography” (FASE).
2012 – Present Lecturer for the University of Rome “Sapienza” for the “Echocardiography techniques” University Master.
2012 – Present Has started and is running a “Cardiomyopathy Clinic” at the “San Pietro FBF” Hospital in Rome.
2010 – Present Clinical Cardiologist at the Cardiology Department of “San Pietro FBF” Hospital in Rome, Italy, directed by Prof Roberto Serdoz.
2008 – Present Cardiology Consultant for the evaluation of Olympic athletes at the “Institute of Sports Medicine and Science” (Rome, Italy) working with Prof. Antonio Pelliccia.
2009 Research grant from the “Italian Olympic Committee” to perform the

clinical research: “Evaluation of left ventricular remodelling and mechanical function in elite athletes by three-dimensional echocardiography.” The study was performed at the Institute of Sports Medicine and Science in Rome and supervised by Prof. Antonio Pelliccia.

2008 Research grant from the “Italian Olympic Committee” to perform the clinical research: “Three-Dimensional Echocardiographic Evaluation of the sphericity, synchronicity and emptying of the left ventricle in elite athletes. The study was performed at the Institute of Sports Medicine and Science in Rome and supervised by Prof. Antonio Pelliccia.

2007 - 2010 Clinical cardiologist, at the “Dept. of Cardiovascular and Respiratory Sciences, Policlinico Umberto I, Sapienza University” directed by Prof. Francesco Fedele. He served in the Coronary Intensive Care Unit and Echocardiography laboratory

Education and qualification

2007 - 2010 **Ph.D. in Cardiovascular Pathophysiology** at the “Sapienza” University; thesis entitled: “Assessment of left ventricular systolic performance in elite athletes”.

2003-2007 **Fellowship in Cardiovascular Disease**, “Sapienza” University of Rome, Italy; vote 70/70 (cum laude) with thesis entitled: “Assessment of left ventricular geometry by 3-dimensional echocardiography”.

2003 **Graduation in Medicine and Surgery**, with vote 110/110 (cum laude) at “Sapienza” University of Rome, Italy with a thesis entitled: “Morphologic and Functional Evaluation of the Athlete’s heart by Live Three-Dimensional Echocardiography.”

Training

2012 Voluntary training in interventional cardiology at the “San Pietro FBF”

Hospital in Rome, Italy. During 1 year he performed as first operator 97 coronary angiograms and 47 percutaneous coronary interventions, supervised and trained by Prof Roberto Serdoz and Dr. Francesco Monti.

- 2003-2007 Training in clinical cardiology at the “Cardiovascular and Respiratory Sciences Department of “Sapienza University”, as a fellow in cardiology.
- 2005 Visiting Fellow at the TUFTS University (New England Medical Center, Boston MA, USA), training in echocardiography with Prof. Natesa G Pandian for 1 month (September).
- 2003 Visiting Fellow at the TUFTS University (New England Medical Center, Boston MA, USA), training in echocardiography with Prof. Natesa G Pandian, for 2 months (September-October).
- 2002 – 2008 Training at the Echocardiography laboratory of “Sapienza University” of Rome directed by Prof. Stefano De Castro.

Language

Mother tongue Italian
Other language: English:
Reading skills: excellent
Writing skills: very good
Verbal skills: very good

Manuscripts:

- 1) Biffi A, Pelliccia A, Verdile L, Fernando F, Spataro A, Caselli S, Santini M, Maron BJ. Long-Term Clinical Significance of Frequent and Complex Ventricular Tachyarrhythmias in Trained Athletes. J Am Coll Cardiol 2002;40:446-452.
- 2) Pelliccia A, Maron BJ, Di Paolo FM, Biffi A, Quattrini FM, Pisicchio C, Roselli A, Caselli S, Culasso F. Prevalence and Clinical Significance of Left Atrium Remodeling in

Competitive Athletes. *J Am Coll Cardiol* 2005;46:690-696.

- 3) De Castro S, Pelliccia A, Caselli S, Di Angelantonio E, Papetti F, Cavarretta E, Carbone I, Francone M, Passariello R, Pandian NG, Fedele F. Remodelling of the left ventricle in athlete's heart: a three dimensional echocardiographic and magnetic resonance imaging study. *Heart* 2006 Jul;92(7):975-976.
- 4) De Castro S, Caselli S, Papetti F, Ventriglia F, Giardina A, Cavarretta E, Di Angelantonio E, Marcantonio A, Igual Perez FD, Pandian NG, Marino B, Fedele F. Feasibility and clinical impact of live three-dimensional echocardiography in the management of congenital heart disease. *Echocardiography*. 2006 Aug;23(7):553-561.
- 5) De Castro S, Salandin V, Cavarretta E, Salvador L, Valfrè C, Caselli S, Di Michele S, Faletra F, Pandian NG. Epicardial real-time three-dimensional echocardiography in cardiac surgery: a preliminary experience. *Ann Thorac Surg*. 2006 Dec;82(6):2254-2259.
- 6) De Castro S, Caselli S, Maron M, Pelliccia A, Cavarretta E, Maddukuri P, Cartoni D, Di Angelantonio E, Kuvin JT, Patel AR, Pandian NG. Left Ventricular Remodelling Index (LVRI) in Various Pathophysiologic Conditions: A Real-time Three-Dimensional Echocardiographic Study. *Heart* 2007; 93:205-209
- 7) Caselli S, Passaseo I, Giannantoni P, Santini D, Marcantonio A, De Castro S. 2- and 3-dimensional Echocardiographic Analysis of an Unusual Transient Apical Ballooning. *J Am Soc Echocardiogr* 2008 May; 21(5):511.e1-511.e4
- 8) De Castro S, Cavarretta E, Milan A, Caselli S, Di Angelantonio E, Vizza CD, Lucchetti D, Patel A, Kuvin J, Pandian NG. Usefulness of Tricuspid Annular Velocity in Identifying Global RV Dysfunction in Patients with Primary Pulmonary Hypertension: A Comparison with 3D Echo-Derived Right Ventricular Ejection Fraction. *Echocardiography*. 2008 Mar;25(3):289-293.
- 9) De Castro S, Caselli S, Di Angelantonio E, Del Colle S, Mirabelli F, Marcantonio A, Puccio D, Santini D, Pandian NG. Relation of left atrial maximal volume measured by real-

- time 3D echocardiography to demographic, clinical and Doppler variables. *Am J Cardiol.* 2008 May 1;101(9):1347-1352.
- 10) De Castro S, Faletra F, Di Angelantonio E, Conca C, Marcantonio A, Francone M, Cartoni D, Mirabelli F, Gaudio C, Caselli S, Carbone I, Auricchio A, Pandian NG. Tomographic left ventricular volumetric emptying analysis by real-time 3D echocardiography: influence of left ventricular dysfunction with and without electrical dyssynchrony. *Circulation Imaging* 2008; 1:41-49.
 - 11) Caselli S, Pelliccia A, Maron M, Santini D, Puccio D, Marcantonio A, Pandian NG, De Castro S. Differentiation of Hypertrophic Cardiomyopathy from Other Forms of Left Ventricular Hypertrophy by Means of 3-Dimensional Echocardiography. *Am J Cardiol.* 2008 Sep 1;102(5):616-620
 - 12) De Castro S, Di Angelantonio E, Celotto A, Fiorelli M, Passaseo I, Papetti F, Caselli S, Marcantonio A, Cohen A, Pandian N. Short-term evolution (9 months) of aortic atheroma in patients with or without embolic events: a follow-up transoesophageal echocardiographic study. *Eur J Echocardiogr.* 2009 Jan;10(1):96-102.
 - 13) Giancaspro G, Suppa M, Genuini G, Caselli S, Fedele F. Syncope caused by Iatrogenic Hyperkalemia. *Journal of Cardiovascular Medicine.* 10(1):72-74, January 2009.
 - 14) Caselli S, Canali E, Foschi ML, Santini D, Di Angelantonio E, Pandian NG, De Castro S. Long-term prognostic significance of three-dimensional echocardiographic parameters of the left ventricle and left atrium. *Eur J Echocardiogr.* 2010 Apr;11(3):250-6.
 - 15) Caselli S, Martino A, Genuini I, Santini D, Carbone I, Agati L, Fedele F. Pathophysiology of dynamic left ventricular outflow tract obstruction in a critically ill patient. *Echocardiography.* 2010 Nov;27(10):E122-4.
 - 16) Caselli S, Mazzei G, Tritapepe L, Barretta A, Pandian NG, Agati L, Fedele F. 3D Echocardiographic delineation of mitral-aortic intervalvular fibrosa pseudoaneurysm caused by bicuspid aortic valve endocarditis. *Echocardiography.* 2011 Jan;28(1):E1-4.

- 17) Caselli S, Di Paolo FM, Pisicchio C, Di Pietro R, Quattrini FM, Di Giacinto B, Culasso F, Pelliccia A. Three-dimensional echocardiographic characteristics of Left Ventricular Remodelling in Olympic Athletes. *Am J Cardiol.* 2011 Jul 1;108(1):141-7.
- 18) Caselli S, Di Pietro R, Di Paolo FM, Pisicchio C, di Giacinto B, Guerra E, Culasso F, Pelliccia A. Left ventricular systolic performance is improved in elite athletes. *Eur J Echocardiogr.* 2011 Jul;12(7):514-9.
- 19) Rose D, D'Ascoli R, Caselli S, Miraldi F. Can cor triatriatum hide mitral valve pathology? *Eur Heart J.* 2012 Apr 33:927
- 20) Caselli S, Autore C, Serdoz A, Santini D, Musumeci MB, Pelliccia A, Agati L. Three-dimensional echocardiographic characterization of patients with left ventricular non compaction. *J Am Soc Echocardiogr* 2012; 25:203-9.
- 21) Caselli S, Serdoz A, Palumbo B, Todi F, Palma MD, Serdoz R. Pneumopericardium Secondary to Esophago-Pericardial Fistula. *Echocardiography.* 2013 Jul 27.
- 22) Caselli S, Serdoz A, Ramamurthi A, Pandian NG, De Paola D, Serdoz R. Doppler markers of elevated left atrial and ventricular filling pressure in a critically ill patient. *Echocardiography.* 2013 Aug;30(7):E192-4. doi: 10.1111/echo.12245. Epub 2013 May 11.
- 23) Caselli S, Maron MS, Urbano-Moral JA, Pandian NG, Maron BJ, Pelliccia A. Differentiating left ventricular hypertrophy in athletes from that in patients with hypertrophic cardiomyopathy. *Am J Cardiol.* 2014 Nov 1;114(9):1383-9. doi: 10.1016/j.amjcard.2014.07.070.
- 24) Caselli S, Di Paolo FM, Pisicchio C, Pandian NG, Pelliccia A. Patterns of Left Ventricular Diastolic Function in Olympic Athletes. *J Am Soc Echocardiogr.* 2014 Oct 18. pii: S0894-7317(14)00700-7. doi: 10.1016/j.echo.2014.09.013.
- 25) Caselli S, Montesanti D, Autore C, Di Paolo FM, Pisicchio C, Squeo MR, Musumeci B, Spataro A, Pandian NG, Pelliccia A. Patterns of Left Ventricular Longitudinal Strain and

Strain Rate in Olympic Athletes. *J Am Soc Echocardiogr*. 2014 Nov 20. pii: S0894-7317(14)00752-4. doi: 10.1016/j.echo.2014.10.010. [Epub ahead of print]

- 26) D'Ascenzi F, Caselli S, Solari M, Pelliccia A, Cameli M, Focardi M, Padeletti M, Corrado D, Bonifazi M, Mondillo S. Novel echocardiographic techniques for the evaluation of athletes' heart: A focus on speckle-tracking echocardiography. *Eur J Prev Cardiol*. 2015 May 19. pii: 2047487315586095
- 27) Caselli S; Attenhofer-Jost C; Jenni R; Pelliccia A. Left Ventricular Non Compaction Diagnosis and Management Relevant to Preparticipation Screening. *Am J Cardiol*. 2015 Sep 1;116(5):801-8.
- 28) D'Ascenzi F, Pisicchio C, Caselli S, Di Paolo FM, Spataro A, Pelliccia A. Right Ventricular Remodelling in Olympic Athletes. *JACC Cardiovasc Imaging*. 2016 Aug 11. pii: S1936-878X(16)30467-3. doi: 10.1016/j.jcmg.2016.03.017.
- 29) Pelliccia A, Quattrini F, Squeo MR, Caselli S, Culasso F, Link MS, Spataro A, Bernardi M. Cardiovascular diseases in Paralympic Athletes. *Br J Sports Med*. 2016 May 26. pii: bjsports-2015-095867.
- 30) Caselli S, Vaquer Seguì A, Quattrini F, Di Giacinto B, Milan A, Assorgi R, Verdile L, Spataro A, Pelliccia A. Upper Normal Values of Blood Pressure Response to Exercise in Olympic Athletes. *Am Heart J*. 2016 Jul;177:120-8. doi: 10.1016/j.ahj.2016.04.020. Epub 2016 Apr 30..
- 31) Cecconi M, Parodi IM; Formisano F, Spirito P, Autore C, Musumeci MB, Favale S, Forleo C, Rapezzi C, Davì S, Canepa E, Pennese L, Castagnetta M, Degiorgio D, Coviello DA, Collaborative Member Group (including Caselli S). Targeted next-generation sequencing helps to decipher the genetic and phenotypic heterogeneity of hypertrophic cardiomyopathy. *Int J Molecular Medicine*. In press 2016
- 32) Caselli S, Ferreira D, Kanawati E, Di Paolo F, Pisicchio C, Attenhofer Jost C, Spataro A, Jenni R, Pelliccia A. Prominent Left Ventricular Trabeculations in Competitive Athletes: a proposal for Risk Stratification and Management. *Int J Cardiol*. 2016 Aug 17;223:590-595. doi: 10.1016/j.ijcard.2016.08.272.

Books:

ESC Textbook of Sports Cardiology: (in press)

Chapter: Echocardiogram: morphologic and functional evaluation including new echocardiographic techniques.

Chapter: Structural and functional adaptations of the athlete's heart.

Chapter: Hypertension in athletes

Abstracts:

- 1) Pelliccia A, Di Paolo FM, Culasso F, Quattrini FM, Caselli S, Maron BJ. Upper limits and clinical significance of left atrium dilatation in trained athletes. *J Am Coll Cardiol* 2003, March 19; 41 (6): supplement A 169A
- 2) Carbone I, Francone M, Catalano C, Danti M, Lanciotti K, Caselli S, Mirabelli F, Pelliccia A, Passariello R. MR imaging in the evaluation of left ventricular (LV) mass and volume of endurance athlete's heart: a comparative study with 3D live ultrasound (3D US). *Eur Radiol* 2003 13:H16 (58)
- 3) Papetti F, Hammad F, Marcantonio A, Vitali A, Belmonte E, Caselli S, Ventriglia F, Cavarretta E, Marino B, Fedele F, De Castro S. Preliminary results of real-time 3D echocardiography (ECHO) in the assessment of congenital heart disease (CHD): comparison with 2D echo. *Ital Heart J* October 2003, Vol 4 Suppl 5.
- 4) Carbone I, Lanciotti K, Marcantonio A, Francone M, De Castro S, Cavarretta E, Caselli S, Fedele F, Passariello R. Assessment of Left ventricular volume and mass in endurance athlete's heart: comparison between MR imaging and Live 3D echocardiography. *La Radiologia Medica (SIRM National congress – Magnetic Resonance and Cardio-radiology session – Trieste, October, 2-4th, 2003)*.
- 5) Caselli S, Papetti F, Marcantonio A, Cavarretta E, Righi D, Pelliccia A, Fedele F, De Castro S. Left ventricle remodelling in top level athletes detected by Live 3D echocardiography. *Ital Heart J* Dec 2003, Vol 4 Suppl 6: 61S (C236)
- 6) Papetti F, Caselli S, Marcantonio A, Cavarretta E, Carbone I, Righi D, Di Angelantonio E, Passariello R, Fedele F, De Castro S. LV function detected by Live 3D echocardiography: a validation study. *Ital Heart J* Dec 2003, Vol 4 Suppl 6: 108 S (C423).
- 7) Beraldi M, Papetti F, Marcantonio A, Cavarretta E, Caselli S, Righi D, Carbone I, Francone M, Pelliccia A, Passariello R, Fedele F, De Castro S. Left Atrial Function

- Detected by Live 3D Echocardiography: an in-vivo validation study. *Ital Heart J* 2003 December; Vol 4 Suppl 6: 111S (C435).
- 8) Leggio M, Celotto A, Papetti F, Iovane E, Sgorbini L, Leggio F, Caselli S, Marcantonio A, Cavarretta E, Righi D, Fedele F, De Castro S. Progression of Aortic Atheroma in Patients with and without embolic events: A follow-up Transesophageal echocardiographic study. *Ital Heart J* Dec 2003, Vol 4 Suppl 6: 24S (C88)
 - 9) Papetti F, Di Angelantonio E, Fiorelli M, Toni D, Argentino C, Passaseo I, Caselli S, Marcantonio A, Fedele F, De Castro S. Usefulness of transesophageal echocardiography in early etiopathogenic classification of acute ischaemic stroke patients. *Ital Heart J* 2003 December; Vol 4 Suppl 6: 111S (C433).
 - 10) Fedele F, De Castro S, Papetti F, Carbone I, Marcantonio A, Bucciarelli Ducci C, Caselli S, Passaseo I, Proietti P, Passariello R, Pandian NG. Left ventricle morpho-function evaluation detected by live 3D echocardiography: an MRI validation study. *J Cardiovasc Magn Reson* 2004; 6(1):279 (398)
 - 11) De Castro S, Papetti F, Carbone I, Marcantonio A, Bucciarelli Dcci C, Beraldi M, Celotto A, Passaseo I, Passariello R, Pandian NG, Fedele F. Left atrial morpho-functional evaluation detected by live 3D echocardiography: an in-vivo validation study. *J Cardiovasc Magn Reson* 2004; 6(1):280 (399)
 - 12) Pandian NG, De Castro S, Nanda N, Papetti F, Caselli S, Kyung-Soon H, Brennecke H, Gheewala R, Blander J, Banerjee A, Nesser J, Soman P, Milan A. Live real-time three-dimensional echocardiography as the routine mode of echocardiographic imaging in daily clinical practice: experience in 700 patients. . *J Am Soc Echocardiography* 2004, May, 17(5):537 (P3-39).
 - 13) De Castro S, Beraldi M, Caselli S, Marcantonio A, Cavarretta E, Diangelantonio E, Carbone I, Pandian NG, Fedele F. Left atrial function detected by Live 3D echocardiography in vivo validation. *J Am Soc Echocardiography* 2004, May, 17(5):519 (P2-29).
 - 14) De Castro S, Caselli S, Pelliccia A, Carbone I, Cavarretta E, Marcantonio A, Di Angelantonio E, Righi D, Pandian NG, Fedele F. Live three dimensional echocardiography in the evaluation of the left ventricular function in top level athletes: a comparison with MRI. *J Am Soc Echocardiography* 2004, May, 17(5):537 (P3-37).
 - 15) De Castro S, Caselli S, Cavarretta E, Marcantonio A – Ecocardiografia 3D in real-time: quale contributo nello studio del rimodellamento ventricolare. *Cardiologia per*

immagini, Atti del Convegno, Roma 19-21 Ottobre 2004. Extended abstract, pag. 67-72.

- 16) Caselli S, Cavarretta E, Marcantonio A, Giardina A, Igual Perez FD, Diangelantonio E, Ventriglia F, Marino B, Pandian NG, De Castro S, Fedele F. Live 3D echocardiography in the evaluation of congenital heart disease. *Ital Heart J* 2004;5(9):24S.
- 17) Caselli S, Cavarretta E, Diangelantonio E, Marcantonio A, Giardina A, Igual Perez FD, Ventriglia F, Marino B, Pandian NG, De Castro S, Fedele F. Live 3D echocardiography in the assessment of atrial and ventricular septal defect: results on a population of 40 pediatric patients. *Ital Heart J* 2004;5(9):44S.
- 18) Cavarretta E, Milan A, Caselli S, Diangelantonio E, Lucchetti D, Marcantonio A, Celotto A, Pandian NG, De Castro S, Fedele F. How useful is tricuspid annular velocity in identifying global RV dysfunction? Comparison to 3D echo-derived right ventricular ejection fraction. *Ital Heart J* 2004;5(9):44S.
- 19) Rebecchi M, Belmonte E, Beraldi M, Cavarretta E, Caselli S, Marcantonio A, Lavalle C, Lanciotti K, Carbone I, Passariello R, De Castro S, Fedele F – Live 3D echocardiography for the assessment of left and right atrial function and shape in normals and in patients with atrial arrhythmias. *Ital Heart J* 2004;5(9):44S.
- 20) Cavarretta E, Milan A, Caselli S, Diangelantonio E, Beraldi M, Marcantonio A, Pandian NG, De Castro S, Fedele F. Real-time transthoracic Live 3D echocardiography provides accurate right ventricular volumes and ejection fraction in the clinical scenario. *Ital Heart J* 2004;5(9):45S.
- 21) De Luca L, Di Angelantonio E, Morelli A, Caselli S, Cavarretta E, Marcantonio A, Pandian NG, De Castro S, Fedele F. Accuracy of 2D and 3D transesophageal echocardiography in the evaluation of left ventricular function in critically ill patients: in-vivo validation by thermodilution method. *Ital Heart J* 2004;5(9):45S.
- 22) De Castro S, Cavarretta E, Caselli S, Picardi MN, Di Michele S, Marcantonio A, Fedele F. The echocardiographic armamentarium in acute myocardial infarction. Abstract book; Cardiopulmonary imaging: ischemic heart disease - 2nd International Congress (Rome- Italy) 2005, May 6th-7th
- 23) Cavarretta E, Milan A, Di Angelantonio E, Caselli S, Nesser HJ, De Castro S, Kuvin JT, Patel AR, Pandian NG. Real-time trans-thoracic live 3D echocardiography provides accurate right ventricular volumes and ejection fraction in the clinical scenario. *J Am Soc Echocardiogr* 2005; 18; 519 (P2-18)

- 24) Milan A, Cavarretta E, Di Angelantonio E, Caselli S, Nesser HJ, Fedele F, De Castro S, Kuvin JT, Patel AR, Pandian NG. How useful is tricuspid annular velocity in identifying global RV dysfunction? Comparison to 3D Echo-derived right ventricular ejection fraction. *J Am Soc Echocardiogr* 2005; 18; 535 (P3-23)
- 25) De Castro S, Caselli S, Giardina A, Ventriglia F, Marino B, Cavarretta E, Marcantonio A, Pandian NG. Live 3D Echocardiography provides clinically useful incremental information in the evaluation of congenital heart disease. *J Am Soc Echocardiogr* 2005; 18; 564 (P 5-22).
- 26) De Castro S, Rebecchi M, Caselli S, Cavarretta E, Marcantonio A, Picardi M, Pandian NG. Validation of real-time 3D echocardiography in measuring atrial volumes and its application in the study of left and right atrial remodeling and function in atrial fibrillation and atrial flutter. *J Am Soc Echocardiogr* 2005; 18; 518 (P 2-15).
- 27) Caselli S, Pelliccia A, Cavarretta E, Maron M, Maddukuri P, Pandian NG, De Castro S, Fedele F. Left ventricular remodeling index assessed by real-time three-dimensional echocardiography in various pathophysiologic conditions. *Ital Heart J* 2005, vol. 6, suppl 8: 59S (C228)
- 28) Caselli S, Giardina A, Cavarretta E, Badagliacca R, Poscia R, Crescenzi E, Sciomer S, Pandian NG, Vizza CD, De Castro S, Fedele F. Right ventricular mass assessed by real time three-dimensional echocardiography in the evaluation of patients with primary pulmonary hypertension. *Ital Heart J* 2005, vol. 6, suppl 8: 60S (C232)
- 29) Cavarretta E, Salandin V, Salvador L, Valfrè C, Caselli S, Faletra F, Pandian NG, De Castro S, Fedele F. Preliminary experience of intraoperative epicardial real time 3D echocardiography in patients undergoing cardiac surgery. *Ital Heart J* 2005, Vol. 6, suppl 8. 199S (P276)
- 30) De Castro S, Caselli S, Maron M, Pelliccia A, Maddukuri P, Cavarretta E, Fedele F, Pandian NG. Left ventricular remodeling index assessed by real time three-dimensional echocardiography in various pathophysiologic conditions. *J Am Coll Cardiol* 2006, February, 47 (4) (Supplement A); 146A 839-4
- 31) Santini D, Caselli S, De Castro S. Cardiac resynchronization therapy: rationale, evidencies, guidelines and selection criteria. *Mediterranean Journal of Pacing and Electrophysiology* 2006; Vol. 8, n. 3:95-97
- 32) Caselli S, Del Colle S, Di Angelantonio E, Mirabelli, Passaseo I, Santini D, Lombardo R, Pandian NG, De Castro S. Left atrial contraction assessed by real-time three

dimensional echocardiography (RT3DE) in healthy volunteers and in consecutive patients with various cardiovascular disorders. *G Ital Cardiol* 2006 Dec; Vol. 7 (Suppl.1-12):29s. (C80)

- 33) Del Colle S, Veglio F, Caselli S, Di Angelantonio E, Mirabelli F, Santini D, Bianchi M, Montano M, Pannarale G, De Castro S. Left atrial volume in essential hypertension. Evaluation with real-time three dimensional echocardiography (RT3DE). *G Ital Cardiol* 2006 Dec; Vol. 7 (Suppl.1-12):96s (C287).
- 34) Caselli S, Maron M, Santini D, Maddukuri P, Del Colle S, Cavarretta E, Pandian NG, De Castro S. Regional distribution of left ventricular mass in hypertrophic cardiomyopathy. A real-time three dimensional echocardiography study. *G Ital Cardiol* 2006 Dec; Vol. 7 (Suppl.1-12):107s (C318)
- 35) Passaseo I, Santini D, Di Angelantonio E, Caselli S, Cavarretta E, Fiorelli M, Prencipe M, Toni D, De Castro S. Early assessment of transesophageal echocardiography in the definition of ischemic stroke subtypes in emergency department: implications on clinical and therapeutic decision making. *G Ital Cardiol* 2006 Dec; Vol. 7 (Suppl.1-12):154s (C466)
- 36) Caselli S, Cavarretta E, Passaseo I, Ruzzolini M, Santini D, Galzerano D, Pandian NG, De Castro S. Normal parameters of left ventricular function and synchrony in a population of 120 healthy volunteers: a three-dimensional echocardiography study. *G Ital Cardiol* 2006 Dec; Vol. 7 (Suppl.1-12):184s (P64)
- 37) Caselli S, Del Colle S, Di Angelantonio E, Cavarretta E, Ruzzolini M, Bianchi M, Montano M, Pandian NG, De Castro S. Left atrial maximum volume, assessed by real-time 3 dimensional echocardiography in healthy volunteers and patient with various cardiovascular disorders. *G Ital Cardiol* 2006 Dec; Vol. 7 (Suppl.1-12):211s (P149).
- 38) Del Colle S, Caselli S, Di Angelantonio E, Mirabelli F, Bianchi M, Montano M, Passaseo I, Santini D, Milan A, Veglio F, De Castro S. Left atrial mechanical function in essential hypertension. *High Blood Press Cardiovasc Prev* 2006; 13 (3): 112.
- 39) De Castro S, Santini D, Di Angelantonio E, Passaseo I, Caselli S, Cavarretta E, Fiorelli M, Toni D. Early assessment of Trasesophageal echocardiography in the definition of ischemic stroke subtypes in emergency department: implication on clinical and therapeutic decision making. *J Am Coll Cardiol* 2007, March 6, Vol. 49 (9) (Supplement A); 123A, 903-223.
- 40) De Castro S, Caselli S, Del Colle S, Di Angelantonio E, Santini D, Lombardo R,

- Mirabelli F, Giardina A, Pandian NG. Left atrial contraction assessed by real time three-dimensional echocardiography (RT3DE) in healthy volunteers and in consecutive patients with various cardiovascular disorders. *J Am Coll Cardiol* 2007, March 6, Vol. 49 (9) (Supplement A); 156A, 912-224.
- 41) De Castro S, Caselli S, Del Colle S, Santini D, Di Angelantonio E, Cavarretta E, Pandian NG. Left atrial maximum volume, assessed by real time three-dimensional echocardiography in healthy volunteers and patients with various cardiovascular disorders. *J Am Coll Cardiol* 2007, March 6, Vol. 49 (9) (Supplement A); 170A, 916-224.
- 42) Caselli S, Puccio D, Marcantonio D, Santini D, Fedele F, Pandian NG, De Castro S. Left Ventricular Shape Analysis by a New Real-Time Three Dimensional Echocardiography Based Index of Geometrical Sphericity. *J Am Coll Cardiol* 2008. Vol 51. No 10 (Supplement A), 903-256, A117.
- 43) Puccio D, Mirabelli F, Caselli S, Marcantonio A, Lombardo R, Di Angelantonio E, Pandian NG, De Castro S. Effect of Age and Left Ventricular Diastolic Function on Left Atrial Mechanical Dynamics Derived by Real Time Three Dimensional Echocardiography in Healthy Subjects and in Patients With Various Cardiovascular Disorders. *J Am Coll Cardiol* 2008. Vol 51. No 10 (Supplement A), 903-252, A116.
- 44) Di Paolo FM, De Blasiis E, Guerra E, Pisicchio C, Quattrini FM, Di Giacinto B, Clardo R, Caselli S, Culasso F, Pelliccia A. Prevalence and long term clinical significance of aortic root dilatation in competitive athletes. *Circulation* 2008; 118: S_693
- 45) Evangelista A, Mukherjee J, Ordway L, Scali MC, Caselli S, Torromeo C, Gaudio C, De Castro S, DeNofrio D, Nesser HJ, Kuvin JT, Patel AR, Pandian NG. How reliable is left atrial volume in estimating left atrial pressure in advanced heart failure patients? Three dimensional echocardiographic and catheterization studies. *Circulation* 2008; 118:S_937-S_938
- 46) Caselli S, Canali E, Foschi ML, Lombardi U, Centurion C, Santini D, Pandian NG, Fedele F, De Castro S. Left atrial minimum volume is the most powerful predictor of adverse cardiovascular events. *Circulation* 2008; 118: S_851-S_852
- 47) Caselli S, Canali E, Foschi ML, Lombardi U, Centurion C, Paletta L, Pandian NG, De Castro S, Fedele F. Left atrial minimum volume is the most powerful predictor of adverse cardiovascular events. *G Ital Cardiol* 2008; Vol 9 (Suppl 1-12):3S (C1)
- 48) Puccio D, Di Angelantonio E, Caselli S, Mirabelli F, Marcantonio A, Lombardo RM,

- Pandian NG, De Castro S. Effect of Age and Left Ventricular Diastolic Function on Left Atrial Mechanical Dynamics Derived by Real Time Three Dimensional Echocardiography. *G Ital Cardiol* 2008; Vol 9 (Suppl 1-12):75S (C252)
- 49) Caselli S, De Castro S, Di Paolo F, Pisicchio C, Quattrini F, Di Giacinto B, Guerra E, Ciardo R, Fedele F, Pelliccia A. Left Ventricular Remodelling in Athletes is related to exercise capacity and does not convey mechanical dyssynchrony. *G Ital Cardiol* 2008; Vol 9 (Suppl 1-12):65S (C218)
- 50) Caselli S, De Castro S, Di Paolo FM, Pisicchio C, Quattrini FM, Di Giacinto B, De Blasiis E, Ciardo R, Pelliccia A. Left Ventricular Mechanical Systole is shortened in highly trained athletes. *J Am Coll Cardiol*. March 10, 2009; 53:A231-A304
- 51) Caselli S, Di Pietro R, Di Paolo FM, Pisicchio C, Quattrini FM, Foschi ML, Pagliaro M, De Blasiis E, Pelliccia A. Normal Values of Left Ventricular Parameters in elite athletes by 3D echocardiography. *Circulation* 2009; 120:S391
- 52) Caselli S, Di Paolo FM, Pisicchio C, Di Veroli F, Silvetti E, Guerra E, Di Giacinto B, Ciardo R, Pelliccia A. Left Ventricular Mechanical Systole in Elite Athletes assessed by 3D echocardiography. *Circulation* 2009; 120:S312
- 53) Caselli S, Di Pietro R, Di Paolo FM, Pisicchio C, Tung M, Di Giacinto B, Quattrini FM, Pelliccia A. Normal values of left ventricular diastolic parameters in elite athletes. *Circulation* 2009; 120:S364-S365
- 54) S. Caselli; C. Autore; D. Mutone; R. Di Pietro; D. Santini; A. Serdoz; A. Pelliccia; L. Agati. Three-dimensional echocardiographic assessment of left ventricular non-compaction *Eur J Echocardiogr* (2010) 11(suppl 2):
- 55) S.Caselli; C.Autore; A. Serdoz; D. Santini; B. Musumeci; A. Pelliccia; L. Agati. Three-dimensional echocardiographic assessment of left ventricular non-compaction. ESC meeting 2011
- 56) Melina G, Angeloni E, Roscitano A, Bianchini R, Serdoz R, Monti F, Boggi A, Colantonio R, Rotolo F, Caselli S, Capuano F, Comito C, Refice S, Danesi TH, Di Bartolomeo RD, Benedetto U, Sinatra R. SYNTAX Score and Clinical SYNTAX Score Predict Outcomes of Patients Undergoing Coronary Artery Bypass Grafting. *Circulation* 2012; 126, suppl 21; A16176-A16176
- 57) Caselli S, Di Giacinto B, Quattrini F, Di Paolo F, Assorgi R, Pisicchio C, Spataro A, Pelliccia A. Upper Limits And Clinical Correlates Of Blood Pressure Response To Exercise In Olympic Athletes. *Europrevent* 2014 accepted abstract.

- 58) Caselli S, Montesanti D, Di Paolo F, Pisicchio C, Verdile L, Musumeci B, Autore C, Spataro A, Pandian NG, Pelliccia A. Patterns of Systolic and Diastolic Left Ventricular Deformation in Olympic Athletes. Europrevent 2014 accepted abstract.
- 59) Caselli S, Maron MS, Urbano Moral JA, Pandian NG, Spataro A, Maron BJ, Pelliccia A. Left ventricular hypertrophy in athletes: the gray-zone revisited. Europrevent 2014 accepted abstract.
- 60) Caselli S, Di Paolo FM, Di Giacinto B, Pisicchio C, Quattrini F, Assorgi R, Spataro A, Pandian NG, Pelliccia A. Patterns of left ventricular diastolic function in Olympic athletes. Europrevent 2014 accepted abstract.
- 61) Caselli S, Di Giacinto B, Quattrini F, Di Paolo F, Assorgi R, Pisicchio C, Pelliccia A. Upper limits and clinical correlates of blood pressure response to exercise in olympic athletes. J Am Coll Cardiol. 2014; 63(12_S) doi: 10.1016/S0735-1097(14)61655-7
- 62) Caselli S, Di Paolo F, Di Giacinto B, Pisicchio C, Quattrini F, Assorgi R, Pandian NG, Pelliccia A. Patterns of left ventricular diastolic function in olympic athletes. J Am Coll Cardiol. 2014; 63(12_S) doi: 10.1016/S0735-1097(14)61171-2
- 63) Caselli S, Montesanti D, Di Paolo F, Pisicchio C, Di Giacinto B, Quattrini F, Musumeci B, Autore C, Pandian N, Antonio Pelliccia. Patterns of systolic and diastolic left ventricular deformation in olympic athletes. J Am Coll Cardiol. 2014; 63(12_S) doi: 10.1016/S0735-1097(14)61140-2
- 64) Caselli S, Maron MS, Urbano Moral JA, Pandian NG, Maron BJ, Pelliccia A. Left ventricular hypertrophy in athletes: the “gray-zone” revisited. J Am Coll Cardiol. 2014; 63(12_S) doi: 10.1016/S0735-1097(14)60842-1

Member of Scientific Societies

European Society of Cardiology (FESC)

American Society of Echocardiography (FASE)

ESC Working group of Myocardial and Pericardial Diseases

European Association of Cardiovascular Imaging

European Association of Cardiovascular Prevention and Rehabilitation

Reviewer for the following Scientific Journals

Echocardiography
American Journal of Cardiology
International Journal of Cardiology
Journal of Sports Medicine and Physical Fitness
Scandinavian Journal of Sports Medicine
JAMA Cardiology

Invited lectures

October 2005. Echocardiography course, “from basic to advanced echocardiography”. Sorrento, Italy. Clinical Case Studies on Ischemic Heart Disease, Trans-thoracic and Trans-esophageal echocardiography.

October 2005. Meeting: “Roma Cuore”. Rome, Italy. Lecture: “Diagnostica ecocardiografica nell’ictus: Casi clinici e soluzioni di problemi nella gestione del paziente con ictus cerebrale”

2006 January. 12th national meeting of trans-esophageal echocardiography (Italian Society of Echocardiography). Teramo, Italy. Lecture “Three-dimensional echocardiography for the evaluation of infective endocarditis”

September 2006- ANMCO 2006. “Sonographer” course. Caserta, Italy. Aula Magna Azienda Ospedaliera S. Sebastiano. Lecture: “New technologies in cardiovascular imaging: TDI, Strain and Strain Rate.

2006 October. Echocardiography course: “from basic to advanced technologies”. Siracusa, Italy. Lectures: “Anatomy and physiology of aortic and mitral valve.” “Clinical Case Studies.”

2006 October Meeting: “Heart failure and Atrial Fibrillation” Rome, Italy. Lecture: “Cardiac resynchronization therapy: from clinical evidence to guidelines”

2007 June. Echocardiography Today and Tomorrow 8th International Advanced Echocardiography Symposium; St. Wolfgang, Austria. Clinical cases on “Right Heart Disorders”, “Congenital Heart Disease in the adult” , “Mistakes”. Chair of the session: Echocardiography in the cath-lab

2007 October. Echocardiography course, “from basic to advanced echocardiography”. Sorrento, Italy. Lecture: “Acute myocardial infarction and its complications” and “Clinical case presentation”.

2007 November. Advanced course on clinical echocardiography. National Institute of Sports Medicine and Science, Rome, Italy. Lectures: Evaluation of diastolic function. Evaluation of left ventricular dyssynchrony

2008 January. 13th national meeting on transesophageal echocardiography. Teramo, Italy. Lecture: “3D trans-esophageal echocardiography for the evaluation of left ventricular function.

2008 February. 2nd Master in Cardiologic Imaging. Viareggio, Italy. Lecture: Multimodality imaging for the assessment of heart valve disease

2009 May. 7th meeting endorsed by SIEC- ANMCO on clinical echocardiography. "Il Cuore Destro: Bersaglio ed attore di pluripatologie." Senigallia, Italy. Lecture "Evaluation of the right ventricle by three-dimensional echocardiography".

2009 June. Echocardiography Today and Tomorrow, 9th International symposium; St. Wolfgang, Austria. Clinical Case presentation on: "Valvular Heart Disease: Endocarditis and Prosthetic Valves", "Increased wall Thickness and Heart Failure: Cases of Pseudohypertrophy and heart failure", "Masses, Clots, Tumors, PFO, Embolic Pathology". Chair of the session: Contrast echo for chamber pathology, perfusion and Doppler.

2010 February. Memorial "Stefano De Castro": Cardiovascular Imaging. (Policlinico Umberto I, Rome, Italy). Lecture: 3D echocardiography for the evaluation of left ventricular function.

2010 March. Journée de cardiologie pour le médecin spécialiste. Service de Cardiologie de l'UCL, Bruxelles, Belgium. Lecture: "Différencier l'hypertrophie normale et pathologique, le rôle de l'imagerie.

2011 April European Association of Cardiovascular Prevention and Rehabilitation Meeting; Geneva, Switzerland. Lecture: "Newer echocardiographic techniques for the assessment of the athletes heart: Strain, strain rate and 3d-echocardiography."

2011 June. Meeting: Prevention of sudden cardiac death in athletes. Rome, Italy. Lecture: Left ventricular non compaction.

2011 June. Echocardiography Today and Tomorrow, 10th International symposium; St. Wolfgang, Austria. Clinical cases presentation.

2011 November. Meeting: Advances in Cardiac Electrophysiology; Rome, Italy. Lecture: "Diagnosis of Left Ventricular Non Compaction by echocardiography."

2012 April. Meeting: Symposium on cardiovascular Prevention and Rehabilitation, Rome, Italy. Lecture: Diagnosis of Left Ventricular Non Compaction by Echocardiography"

2013 February. Meeting: XII Simposio Romano di Cardiologia Riabilitativa. Rome, Italy. Lecture: "Diagnosis of Left Ventricular Non Compaction.

2013 May. EuroCMR. Florence, Italy. Differential diagnosis between athlete's heart and arrhythmogenic right ventricular cardiomyopathy.

2013 June. Echocardiography Today and Tomorrow, 10th International symposium; St. Wolfgang, Austria 17-24th June 2013. Clinical cases.

2013 October. Lecturer for the 2nd IOC Course on Periodic Health Evaluation and Imaging Testing. Lausanne, Switzerland 19th October 2013.

2013 November. Cardiosanpietro 2013. Rome, Italy. Lecture: "Left Ventricular Non Compaction"

2013 November. Advances in Cardiovascular Electrophysiology. Rome, Italy. Lecture “Left Ventricular Non Compaction an overlapping phenotype or distinct pathology?”

2014 March. Symposium: “Update in Arrhythmogenic Cardiomyopathy and Sudden Cardiac Death in the Young: novel technologies in cardiology, genetics, and pathology” Aula Magna, University Palace, Padova. Lecture: “RV morpho-functional data in athletes and the 2010 TF criteria”.

2014 June. Lecturer for the 3rd IOC Course on Periodic Health Evaluation and Imaging Testing. Rome, Italy.

2014 September. SIEC Meeting. Pisa, Italy. Stefano De Castro Memorial Lecture.

2014 November. Corso di aggiornamento in cardiologia dello sport. Siena, Italy. Lecture: “Left Ventricular Non Compaction in athletes”

2014 November. Corso Nazionale SICSport. Rome, Italy. Lecture: “Myocarditis in athletes”

2014 November. Cardiosanpietro 2014. Rome, Italy. Scientific secretariat and lecture: “Left Ventricular Non Compaction”. Chair of the cardiomyopathy session.

2014 December. Euroecho Imaging 2014. Vienna, Austria. Lecture: “Athlete’s heart”

2015 June. Echocardiography today and tomorrow 12th international symposium. St Wolfgang, Austria. Clinical case presentation. Stefano De Castro Memorial Oration on “Athlete’s heart”.

2015 August. European Society of Cardiology Annual Meeting. London, UK. Chair of poster session on athlete’s heart.

2015 November. Turkish Society of Sports Medicine Annual Meeting. Ankara, Turkey. Lecture: “How to prevent sudden cardiac death in athletes”

2015 November. XXI World Congress of Echocardiography and Cardiology. Istanbul, Turkey. Lecture “Athlete’s heart”

2016 April. American College of Cardiology Meeting 2016. Chicago, USA. Lecture: Clinical and Imaging approach for an athletes with cardiac murmur.

2016 August. European Society of Cardiology annual meeting in Rome. Discussant for the session “Evaluating athletes for cardiovascular disease - Challenging cases explained by the experts”.

2016 September. 2nd EACPR course on Sports Cardiology. Rome, Italy. Invited lecturers on: Left Ventricular Non Compaction; Valvular Heart Disease in athletes

Data 06/11/2016

Stefano Caselli