

## **Publications List Dr. med. Stefano Caselli, PhD**

Updated Nov 2020

- 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 Seguí 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.
- 33) Caselli S, Di Renzi P, Serdoz A, Monti F, Serdoz R "A harmless Scimitar". Image focus. *Eur Heart J Cardiovasc Imaging.* 2016 Dec 27. pii: jew294. doi: 10.1093/ehjci/jew294.
- 34) Pelliccia A, Adami PE, Quattrini F, Squeo MR, Caselli S, Verdile L, Maestrini V, Di Paolo F, Pisicchio C, Ciardo R, Spataro A. Are Olympic athletes free from cardiovascular diseases? Systematic investigation in 2352 participants from Athens 2004 to Sochi 2014. *Br J Sports Med.* 2017 Feb;51(4):238-243. doi: 10.1136/bjsports-2016-096961.
- 35) Caselli S, Vaquer Seguí A, Lemme E, Quattrini F, Milan A, D'Ascenzi F, Spataro A, Pelliccia A. Prevalence and Management of Systemic Hypertension in Athletes. *Am J Cardiol* 2017. *Am J Cardiol.* 2017 May 15;119(10).
- 36) D'Ascenzi F, Pelliccia A, Solari M, Piu P, Loiacono F, Anselmi F, Caselli S, Focardi M, Bonifazi M, Mondillo S. Normative Reference Values of Right Heart in Competitive Athletes: A Systematic Review and Meta-Analysis. *J Am Soc Echocardiogr.* 2017 Sep;30(9):845-858.e2.
- 37) Pelliccia A, Caselli S, Sharma S, Basso C, Bax JJ, Corrado D, D'Andrea A, D'Ascenzi F, Di Paolo FM, Edvardsen T, Gati S, Galderisi M, Heidbuchel H, Nchimi A, Nieman K, Papadakis M, Pisicchio C, Schmied C, Popescu BA, Habib G, Grobbee D, Lancellotti P. European Association of Preventive Cardiology (EAPC) and European Association of Cardiovascular Imaging (EACVI) joint position statement: recommendations for the indication and interpretation of cardiovascular imaging in the evaluation of the athlete's heart. *Eur Heart J.* 2017 Sep 23. doi: 10.1093/eurheartj/ehx532.
- 38) Pelliccia A, Lemme E, Maestrini V, Di Paolo FM, Pisicchio C, Di Gioia G, Caselli S. Does sport participation worsen the clinical course of HCM? *Circulation.* 2018 Jan 30;137(5):531-533.
- 39) Caselli S, Mango F, Clark J, Pandian NG, Corrado D, Autore C, Pelliccia A. Prevalence and clinical outcome of athletes with mitral valve prolapse. *Circulation* 2018 May 8;137(19):2080-2082.

- 40) D'Andrea A, Radmilovic J, Caselli S, Carbone A, Scarafile R, Sperlongano S, Tocci G, Formisano T, Martone F, Liccardo B, D'Alto M, Bossone E, Galderisi M, Golino P. Left atrial myocardial dysfunction after chronic abuse of anabolic androgenic steroids: a speckle tracking echocardiography analysis. *Int J Cardiovasc Imaging*. 2018 May 22. doi: 10.1007/s10554-018-1370-9.
- 41) Caselli S, Pelliccia A. Interpretation of Left Ventricular Geometry in Athletes. *Int J Cardiol*. 2018 Sep 15;267:143-144. doi: 10.1016/j.ijcard.2018.05.115.
- 42) Caselli S, Pelliccia A. The electrocardiogram and the phenotypic expression of hypertrophic cardiomyopathy. *Eur Heart J*. 2018 Jul 13. doi: 10.1093/eurheartj/ehy403.
- 43) Borjesson M, Dellborg M, Niebauer J, LaGerche A, Schmied C, Solberg EE, Halle M, Adami E, Biffi A, Carré F, Caselli S, Papadakis M, Pressler A, Rasmussen H, Serratos L, Sharma S, van Buuren F, Pelliccia A. Recommendations for participation in leisure time or competitive sports in athletes-patients with coronary artery disease: a position statement from the Sports Cardiology Section of the European Association of Preventive Cardiology (EAPC). *Eur Heart J*. 2018 Jul 19.
- 44) Aengevaeren VL, Caselli S, Pisicchio C, Di Paolo FM, Hopman MTE, Spataro A, Eijsvogels TMH, Pelliccia A. Right Heart Remodeling in Olympic Athletes During 8 Years of Intensive Exercise Training. *J Am Coll Cardiol*. 2018 Aug 14;72(7):815-817.
- 45) Niebauer J, Börjesson M, Carre F, Caselli S, Palatini P, Quattrini F, Serratos L, Adami PE, Biffi A, Pressler A, Schmied C, van Buuren F, Panhuyzen-Goedkoop N, Solberg E, Halle M, La Gerche A, Papadakis M, Sharma S, Pelliccia A. Recommendations for participation in competitive sports of athletes with arterial hypertension: a position statement from the sports cardiology section of the European Association of Preventive Cardiology (EAPC). *Eur Heart J*. 2018 Aug 24. doi: 10.1093/eurheartj/ehy511.
- 46) D'Ascenzi F, Caselli S, Alvino F, Digiacinto B, Lemme E, Piepoli M, Pelliccia A. Cardiovascular risk profile in Olympic athletes: an unexpected and underestimated risk scenario. *Br J Sports Med*. 2018 Sep 14. pii: bjsports-2018-099530. doi: 10.1136/bjsports-2018-099530.
- 47) Pelliccia A, Solberg EE, Papadakis M, Adami PE, Biffi A, Caselli S, La Gerche A, Niebauer J, Pressler A, Schmied CM, Serratos L, Halle M, Van Buuren F, Borjesson M, Carré F, Panhuyzen-Goedkoop NM, Heidbuchel H, Olivotto I, Corrado D, Sinagra G, Sharma S. Recommendations for participation in competitive and leisure time sport in athletes with cardiomyopathies, myocarditis, and pericarditis: position statement of the Sport Cardiology Section of the European Association of Preventive Cardiology (EAPC). *Eur Heart J*. 2019 Jan 1;40(1):19-33. doi: 10.1093/eurheartj/ehy730.
- 48) Caselli S, Serdoz A, Mango F, Lemme E, Vaquer Seguí A, Milan A, Attenhofer Jost C, Schmied C, Spataro A, Pelliccia A. High blood pressure response to exercise predicts future development of hypertension in young athletes. *Eur Heart J*. 2019 Jan 1;40(1):62-68. doi: 10.1093/eurheartj/ehy810.
- 49) Niebauer J, Börjesson M, Carre F, Caselli S, Palatini P, Quattrini F, Serratos L, Adami PE, Biffi A, Pressler A, Rasmussen HK, Schmied C, van Buuren F, Panhuyzen-Goedkoop N, Solberg EE, Halle M, Gerche A, Papadakis M, Sharma S, Pelliccia A. Brief recommendations for participation in competitive sports of athletes with arterial hypertension: Summary of a Position Statement from the Sports Cardiology Section

- of the European Association of Preventive Cardiology (EAPC). *Eur J Prev Cardiol.* 2019 Sep;26(14):1549-1555.
- 50) D'Elia N, Caselli S, Kosmala W, Lancellotti P, Morris D, Muraru D, Takeuchi M, van den Bosch A, van Grootel RWJ, Villarraga H, Marwick TH. Normal Global Longitudinal Strain: An Individual Patient Meta-analysis. *JACC Cardiovasc Imaging.* 2019 Aug 26. pii: S1936-878X(19)30733-8. doi: 10.1016/j.jcmg.2019.07.020.
- 51) Borjesson M, Dellborg M, Niebauer J, LaGerche A, Schmied C, Solberg EE, Halle M, Adami PE, Biffi A, Carré F, Caselli S, Papadakis M, Pressler A, Rasmusen H, Serratosa L, Sharma S, van Buuren F, Pelliccia A. Brief recommendations for participation in leisure time or competitive sports in athletes-patients with coronary artery disease: Summary of a Position Statement from the Sports Cardiology Section of the European Association of Preventive Cardiology (EAPC). *Eur J Prev Cardiol.* 2020 May;27(7):770-776. doi: 10.1177/2047487319876186. Epub 2019 Sep 12.
- 52) Sanz-de la Garza M, Carro A, Caselli S. How to interpret right ventricular remodeling in athletes. *Clin Cardiol.* 2020 Mar 4. doi: 10.1002/clc.23350. [Epub ahead of print] Review.
- 53) Mango F, Caselli S, Luchetti A, Pelliccia A. Low QRS voltages in Olympic athletes: Prevalence and clinical correlates. *Eur J Prev Cardiol.* 2020 Mar 30:2047487320914758. doi: 10.1177/2047487320914758.
- 54) Reich B, Niederseer D, Loidl M, Fernandez La Puente de Batre MD, Rossi VA, Zagel B, Caselli S, Schmied C, Niebauer J. Effects of active commuting on cardiovascular risk factors: GISMO a randomized controlled feasibility study. *Scand J Med Sci Sports.* 2020 Apr 26. doi: 10.1111/sms.13697.
- 55) Carro A, Sanz-de la Garza M, Caselli S. Reply: Right ventricular remodeling in athletes and crista supraventricularis pattern. *Clin Cardiol.* 2020 May 22. doi: 10.1002/clc.23382.
- 56) D'Ascenzi F, Anselmi F, Mondillo S, Finocchiaro G, Caselli S, Garza MS, Schmied C, Adami PE, Galderisi M, Adler Y, Pantazis A, Niebauer J, Heidbuchel H, Papadakis M, Dendale P. The use of cardiac imaging in the evaluation of athletes in the clinical practice: A survey by the Sports Cardiology and Exercise Section of the European Association of Preventive Cardiology and University of Siena, in collaboration with the European Association of Cardiovascular Imaging, the European Heart Rhythm Association and the ESC Working Group on Myocardial and Pericardial Diseases. *Eur J Prev Cardiol.* 2020 Jun 12:2047487320932018. doi: 10.1177/2047487320932018.
- 57) Pelliccia A, Caselli S, Pelliccia M, Musumeci MB, Lemme E, Di Paolo FM, Maestrini V, Russo D, Limite L, Borrazzo C, Autore C. Clinical outcomes in adult athletes with hypertrophic cardiomyopathy: a 7-year follow-up study. *Br J Sports Med.* 2020 Aug;54(16):1008-1012.
- 58) Budts W, Pieles GE, Roos-Hesselink JW, Sanz de la Garza M, D'Ascenzi F, Giannakoulas G, Müller J, Oberhoffer R, Ehringer-Schetitska D, Herceg-Cavrak V, Gabriel H, Corrado D, van Buuren F, Niebauer J, Börjesson M, Caselli S, Fritsch P, Pelliccia A, Heidbuchel H, Sharma S, Stuart AG, Papadakis M. Recommendations for participation in competitive sport in adolescent and adult athletes with Congenital Heart Disease (CHD): position statement of the Sports Cardiology & Exercise Section of the European Association of Preventive Cardiology (EAPC), the European Society of Cardiology (ESC) Working Group on Adult Congenital Heart Disease and the Sports Cardiology, Physical Activity and Prevention Working Group of the Association for

- European Paediatric and Congenital Cardiology (AEPC). *Eur Heart J*. 2020 Aug 26:ehaa501. doi: 10.1093/eurheartj/ehaa501. Online ahead of print. PMID: 32845299
- 59) Pelliccia A, Sharma S, Gati S, Bäck M, Börjesson M, Caselli S, Collet JP, Corrado D, Drezner JA, Halle M, Hansen D, Heidbuchel H, Myers J, Niebauer J, Papadakis M, Piepoli MF, Prescott E, Roos-Hesselink JW, Graham Stuart A, Taylor RS, Thompson PD, Tiberi M, Vanhees L, Wilhelm M; ESC Scientific Document Group. 2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. *Eur Heart J*. 2020 Aug 29:ehaa605. doi: 10.1093/eurheartj/ehaa605. Online ahead of print.
- 60) Niederseer R, Rossi VA, Kissel C, Scherr J, Caselli S, Tanner FC, Bohm P, Schmied C. Role of echocardiography in screening and evaluation of athletes. *Heart* Nov 2020, heartjnl-2020-317996; DOI: 10.1136/heartjnl-2020-317996