

**Curriculum Vitae**

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**Massimiliano Mariani, M.D.**

**Consultant. Adult Cardiology Department.**

**“G.Pasquinucci” Hospital,**

**Fondazione Toscana “Gabriele Monasterio”**

**Massa, Italy**

**First name:** Massimiliano

**Family name:** Mariani

**Education:**

2001: Medical Degree, University of Pisa Medical School, summa cum laude.

2007: National Boarding in Cardiac Surgery, University of Chieti, summa cum laude.

2006: Echocardiography accreditation, Italian Society of Echocardiography.

2009: Transthoracic echocardiography accreditation, EAE

2012: National Boarding in Cardiology University of Chieti

2015: Transoesophageal echocardiography accreditation, EACVI

**Languages spoken:** Italian, English (spoken and written), French (written).

**Internship and residencies:**

2001-2006: Attending cardiac surgeon, Cardiac Surgery Department and Interventional Cardiology Department, CNR Institute of Clinical Physiology, Massa, Italy.

2004-2006: Attending echocardiographer, Echocardiography laboratory, Cardiac Surgery Department and Interventional Cardiology Department, CNR Institute of Clinical Physiology, Massa, Italy

**Working positions:**

2006-2007: Assistant researcher. National Council of Research, Institute of Clinical Physiology. Pisa

from april 2007: Consultant. Adult Cardiology and Cardiac Surgery Department. Fondazione Toscana "G.Monasterio". Ospedale del cuore. Massa.

Cohordinator of Structural Heart Disease program at Fondazione Monasterio Massa, managing screening, intraoperative and post-operative echo activities

Proctor and Trainer for interventional echocardiography in Pascal and Cardioband Mitral and tricuspid repair for Edwards Lifesciences.

**TOE and Echocardiography experiences:**

First echo operator in more than 150 mitral repair with CardioBand, MitraClip, Pascal, Amend, and 20 procedure of tricuspid valve repair with Pascal, TriClip e Cardioband and several Mitral and Tricuspid percutaneous replacement with Tendyne, Tyara, CardioValve and 10 Mitral Valve in Valve replacement.

2006 until now involved in daily activity of perioperative TOE at Cardiac surgery department and preoperative screening for surgical and interventional procedure.

- 22) "How should I treat a severely symptomatic, high-risk female patient with degenerated mitral (Carpentier-Edwards porcine) and aortic (Sorin Mitroflow) bioprostheses?" Berti S, Cerillo AG, Murzi M, Mariani M, Marchi F, Schifer U, Attia R, Bapat V, Himbert D, Brochet E, Depoix JP, Nataf P, Vahanian A. *EuroIntervention*. 2014
- 23) Cerillo AG, Amoretti F, Mariani M, Chiappino D. Sutureless Valve Thrombosis: The Role of Stent Geometry. *Ann Thorac Surg*. 2018 Mar;105(3):986-988
- 24) Cerillo AG, Amoretti F, Mariani M, Cigala E, Murzi M, Gasbarri T, Solinas M, Chiappino D. Increased Gradients After Aortic Valve Replacement With the Perceval Valve: The Role of Oversizing. *Ann Thorac Surg*. 2018 Jul;106(1):121-128.
- 25) Rocchiccioli S, Cecchetti A, Panesi P, Farneti PA, Mariani M, Ucciferri N, Citti L, Andreassi MG, Foffa I. Hypothesis-free secretome analysis of thoracic aortic aneurysm reinforces the central role of TGF- $\beta$  cascade in patients with bicuspid aortic valve. *J Cardiol*. 2017 Mar;69(3):570-576.
- 26) Marchi F, Cerillo AG, Rizza A, Mariani M, De Caterina AR, Palmieri C, Maffei S, Berti S. Large Abdominal Aortic Aneurysm in a High-Risk Surgical Patient: Combined Percutaneous Transfemoral TAVI and EVAR Procedure. *J Heart Valve Dis*. 2015 May;24(3):310-2.
- 27) Tognarelli A, Palmieri C, Rizza A, Troiani R, Vaghetti M, Mariani M, Murzi M, Trianni G, Berti S, de Donato G, Setacci F, Galzerano G, Setacci C, Stabile E, Esposito G. How should I treat a massive pulmonary haemorrhage secondary to a TEVAR procedure in a patient with a thoracic aortic aneurysm and a type B aortic dissection? *EuroIntervention*. 2015 Dec;11(8):963-6.
- 28) Berti S, Cerillo AG, Murzi M, Mariani M, Marchi F, Schäfer U, Attia R, Bapat V, Himbert D, Brochet E, Depoix JP, Nataf P, Vahanian A. How should I treat a severely symptomatic, high-risk female patient with degenerated mitral (Carpentier-Edwards porcine) and aortic (Sorin Mitroflow) bioprostheses? *EuroIntervention*. 2015 Feb;10(10):1250-2.
- 29) Cerillo AG, Mariani M, Glauber M, Berti S. Simultaneous transapical paraprosthetic leak occlusion and valve-in-valve implantation into a degenerated mitral bioprosthesis. *J Heart Valve Dis*. 2014 Jan;23(1):138-41.
- 30) Amoretti F, Cerillo AG, Mariani M, Stefano P. A simple method to visualize the bicuspid aortic valve pathology by cardiac computed tomography. *J Cardiovasc Comput Tomogr*. 2020 Mar-Apr;14(2):195-198. doi: 10.1016/j.jcct.2019.08.005. Epub 2019 Aug 8. PMID: 31409553.
- 31) Vivoli G, Gasparotti E, Rezzaghi M, Cerone E, Mariani M, Landini L, Berti S, Positano V, Celi S. Simultaneous Functional and Morphological Assessment of Left Atrial Appendage by 3D Virtual Models. *J Healthc Eng*. 2019 May 21;2019:7095845. doi: 10.1155/2019/7095845. PMID: 31249656; PMCID: PMC6556349.
- 32) Berti S, D'Agostino A, Pastormerlo L, Trianni G, Mariani M. A Novel Imaging Approach in Tricuspid Cardioband: In-Valve Positioning of Intracardiac Echocardiography Probe. *JACC Cardiovasc Interv*. 2022 May 9;15(9):992-995. doi: 10.1016/j.jcin.2022.01.287. Epub 2022 Apr 13. PMID: 35430173.

- 8) "Giant pseudo-aneurysm of the left ventricle outflow tract after aortic root replacement for extensive endocarditis." Tiwari KK, Murzi M, Mariani M, Glauber M. Eur J Cardiothorac Surg. 2009
- 9) "Aberrant right subclavian artery aneurysm in coexistence with a common carotid trunk." Murzi M, Mariani M, Tiwari KK, Farneti P, Berti S, Karimov JH, Glauber M. Ann Thorac Surg. 2009 Jul
- 10) "A new vacuum-assisted probe for minimally invasive radiofrequency ablation." Bevilacqua S, Gasbarri T, Cerillo AG, Mariani M, Murzi M, Nannini T, Glauber M. Ann Thorac Surg. 2009
- 11) "Hybrid repair of a Kommerell's diverticulum aneurysm." Murzi M, Mariani M, Karimov JH, Gilmanov D, Berti S, Glauber M. J Card Surg. 2010
- 12) "Aortic arch replacement with prophylactic aortic arch debranching during type A acute aortic dissection repair: initial experience with 23 patients" Glauber M, Murzi M, Farneti P, Bevilacqua S, Mariani M, Tognarelli A, Gasbarri T., Berti S. Eur J Cardiothorac Surg. 2011
- 13) "Transcatheter valve in valve implantation for failed mitral and tricuspid bioprosthesis".Cerillo AG, Chiaramonti F, Murzi M, Bevilacqua S, Cerone E, Palmieri C, Del Sarto P, Mariani M, Berti S, Glauber M. Catheter Cardiovasc Interv. 2011
- 14) "Endovascular treatment of acute thoracic aortic syndromes with a proximal landing zone extension strategy:procedural and follow-up results" Vaghetti M, Palmieri C, Al-Jabri A, Ravani M, Rizza A, Trianni G, Mariani M, Glauber M, Troiani R, Chiappino D, Berti S.. J Invasive Cardiol. 2011
- 15) "Sizing the annulus for transcatheter aortic valve implantation: more than a simple measure?" Cerillo AG, Mariani M, Glauber M, Berti S. Eur J Cardiothorac Surg. 2012
- 16) "Sizing the aortic annulus" Cerillo AG, Mariani M, Berti S, Glauber M. Ann Cardiothorac Surg. 2012
- 17) "Angiotensin-converting enzyme insertion/deletion polymorphism is a risk factor for thoracic aortic aneurysm in patients with bicuspid or tricuspid aortic valves". Foffa I, Murzi M, Mariani M, Mazzone AM, Glauber M, Ait Ali L, Andreassi MG 1. J Thorac Cardiovasc Surg. 2012
- 18) "Sequencing of NOTCH1, GATA5, TGFBR1 and TGFBR2 genes in familial cases of bicuspid aortic valve" Foffa I, Ait Ali L, Panesi P, Mariani M, Festa P, Botto N, Vecoli C, Andreassi BMC Med Genet. 2013
- 19) "Prodromal angina is associated with myocardial salvage in acute ST-segment elevation myocardial infarction." Masci PG, Andreini D, Francone M, Bertella E, De Luca L, Coceani M, Mushtaq S, Mariani M, Carbone I, Pontone G, Agati L, Bogaert J, Lombardi M. Eur Heart J Cardiovasc Imaging. 2013
- 20) "Simultaneous transapical paraprosthetic leak occlusion and valve-in-valve implantation into a degeneratedmitral bioprosthesis." Cerillo AG, Mariani M, Glauber M, Berti S. J Heart Valve Dis. 2014.
- 21) "Comprehensive cardiovascular magnetic resonance for monitoring the response to therapy in pericardial tuberculosis." Grigoratos C, Mariani M, Barison A, Lombardi M, Masci PG. Eur Heart J Cardiovasc Imaging. 2014

**Scientific Society memberships:**

European Association of Cardio Vascular Imaging  
Associazione Nazionale Medici Cardiologi Ospedalieri  
Regional Board of ANMCO from april 2010 to april 2012  
SIECVI

**Publications:** authors and coauthor of several articles in international journals and congress abstracts regarding management and imaging of heart diseases and transcatheter treatment of aortic stenosis

**Didactics:** several participations as lecturer to national congress of Associazione Nazionale Medici Cardiologi Ospedalieri and of Italian Society of Interventional Cardiology.

Director and lecturer of several events on imaging in transcatheter aortic implantation.

Trainer at Master of Echocardiography Pisa University

Lecturer at Master in Interventional Cardiology at University of S.Anna Pisa

**Bibliography:**

- 1) "Mitral valve repair for degenerative disease: is pericardial posterior annuloplasty a durable option?" S. Bevilacqua, A. Cerillo, J. Gianetti, U. Paradossi, M. Mariani, S. Matteucci, E. Kallushi, M. Glauber. European Journal of Cardio-thoracic Surgery 2003
- 2) "Free triiodothyronine: a novel predictor of postoperative atrial fibrillation." A. G. Cerillo, S. Bevilacqua, S. Storti, M. Mariani, E. Kallushi, A. Ripoli, A. Clerico, M. Glauber European Journal of Cardio-thoracic Surgery 2003
- 3) "The non-thyroidal illness syndrome after coronary artery bypass grafting: a 6-month follow-up study." A.G. Cerillo, S. Storti, M. Mariani, E. Kallushi, S. Bevilacqua, M.S. Parri, A. Clerico, M. Glauber. Clinical Chemistry and Laboratory Medicine 2005
- 4) "A case report of myocardial infarction in young patient with a parental history of premature cardiovascular death: Combination of prothrombotic gene mutations." N.Botto, M. Mariani, S. Manfredi, M. G. Andreassi. International Journal of Cardiology 2007
- 5) "Predictive value of less than moderate residual mitral regurgitation as assessed by transesophageal echocardiography for the short-term outcomes of patients with mitral regurgitation treated with mitral valve repair." A. Rizza, L. Sulcaj, M. Glauber, G.Trianni, C. Palmieri, M. Mariani, S. Maffei, S.Berti. Cardiovascular Ultrasound 2007
- 6) "Valve-Sparing Replacement of the Noncoronary Sinus of Valsalva in Patients With a Bicuspid Aortic Valve." A.G. Cerillo, P.A. Farneti, M. Mariani, T. Gasbarri, M. Solinas, M. Glauber. Annals of Thoracic Surgery 2007
- 7) "Identification of platelet hyper-reactivity measured with a portable device immediately after percutaneous coronary intervention predicts in stent thrombosis." Gianetti J., Volpi E., Mariani M., Berti S. Andreassi M.G., Collet J.P. Thrombosis Reserch 2007.

**Books:**

Diagnostica avanzata e accessi vascolari: Ecografia transesofagea nella valutazione della patologia dell'aorta toracica.

Editor Giocchino Coppi edizioni Minerva Medica 2011

In riferimento alla legge 196/2003 autorizzo espressamente l'utilizzo dei dati personali riportati nel mio curriculum vitae.

Massa 9/2/2023

Firma

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