

Giacomo Bianchi, MD, PhD

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Born: December 19, 1978—Florence, ITALY

Nationality: ITALIAN

Current position

Cardiac Surgeon, tenure, Ospedale del Cuore - Fondazione Toscana "G. Monasterio" - Massa - ITALY

Areas of specialization

Cardiac Surgery, Minimally Invasive Valve Surgery, Cardiac Revascularization, Molecular Biology

Appointments held

2009-2010	Fellow, Artificial Organs Lab, University of Maryland, Baltimore, MD - USA
2010-2013	PhD Student in Translational Medicine - Scuola Superiore Sant'Anna - Pisa - ITALY
2010 - 2014	Cardiac Surgeon, <i>non tenure</i> , Ospedale del Cuore - Fondazione Toscana "G. Monasterio" - Massa - ITALY
2014 - up to now	Cardiac Surgeon, <i>STAFF</i> , Ospedale del Cuore - Fondazione Toscana "G. Monasterio" - Massa - ITALY

Education

2004	MD Medicine, University of Florence - Florence - ITALY
2009	SPECIALIZATION in Cardiac Surgery, University of Florence - Florence - ITALY
2013	PHD in Translational Medicine, Scuola Superiore Sant'Anna - Pisa - ITALY
2017	ECMO DIPLOMA, Hospital La Pitié Salpêtrière - Paris - FRANCE

Academic activity

- 2018 *Tutor* for Thesis in Medicine - dr A. Lagana'
2016 *Tutor* for Specialization Thesis in Anesthesia - dr A. Viappiani

Teaching

- 2018 Master in Minimally Invasive Cardiac Surgery - Scuola Superiore Sant'Anna - Pisa - ITALY

Publications & talks

JOURNAL ARTICLES

- 2018 Concistrè G, Chiaramonti F, **Bianchi G**, Cerillo A, Murzi M, Margaryan R, Farneti P, Solinas M. Aortic Valve Replacement With Perceval Bioprosthesis: Single-Center Experience With 617 Implants. *Ann Thorac Surg*. 2018 Jan;105(1):40-46. doi: 10.1016/j.athoracsur.2017.05.080. Epub 2017 Sep 28.
- 2017 **Bianchi G**, Margaryan R, Kallushi E, Cerillo AG, Farneti PA, Pucci A, Solinas M. Outcomes of Video-assisted Minimally Invasive Cardiac Myxoma Resection. *Heart Lung Circ*. 2017 Dec 7. pii: S1443-9506(17)31504-4. doi: 10.1016/j.hlc.2017.11.010
- 2017 Margaryan R, Moscarelli M, Gasbarri T, **Bianchi G**, Kallushi E, Cerillo AG, Farneti P, Solinas M. EuroSCORE Performance in Minimally Invasive Cardiac Surgery: Discrimination Ability and External Calibration. *Innovations (Phila)*. 2017 Jul/Aug;12(4):282-286. doi: 10.1097/IMI.0000000000000377.
- 2016 **Bianchi G**, Cerillo AG, Murzi M, Solinas M. Surgical resection of colorectal carcinomas metastatic to the heart. *J Card Surg*. 2016 Nov;31(11):677-682. doi: 10.1111/jocs.12841. PubMed PMID: 27601061.
- 2016 Moscarelli M, Cerillo A, Athanasiou T, Farneti P, **Bianchi G**, Margaryan R, Solinas M. Minimally invasive mitral valve surgery in high-risk patients: operating outside the box-plot. *Interact Cardiovasc Thorac Surg*. 2016 Jun;22(6):756-61. doi: 10.1093/icvts/ivw038. PubMed PMID: 26953330; PubMed Central PMCID: PMC4986782.
- 2015 Moscarelli M, **Bianchi G**, Margaryan R, Cerillo A, Farneti P, Murzi M, Solinas M. Accuracy of EuroSCORE II in patients undergoing minimally invasive mitral valve surgery. *Interact Cardiovasc Thorac Surg*. 2015 Dec;21(6):748-53. doi: 10.1093/icvts/ivv265. PubMed PMID: 26403175.
- 2015 Gilmanov DSh, Solinas M, Kallushi E, Gasbarri T, **Bianchi G**, Farneti PA, Glauber M. Sutureless aortic valve replacement for aortic incompetence. *J Card Surg*. 2015 May;30(5):391-5. doi: 10.1111/jocs.12531. PubMed PMID: 25765903.
- 2013 Lionetti V, Romano SL, **Bianchi G**, Bernini F, Dushpanova A, Mascia G, Nesti M, Di Gregorio F, Barbetta A, Padeletti L. Impact of acute changes of left ventricular contractility on the transvalvular impedance: validation study by pressure-volume loop analysis in healthy pigs. *PLoS One*. 2013 Nov 19;8(11):e80591. doi: 10.1371/journal.pone.0080591. PubMed PMID: 24260431; PubMed Central PMCID: PMC3834044.
- 2013

- Bianchi G.** eComment. Autologous pericardium is superior to conventional bovine patch in congenital heart disease reconstructive surgery: an appraisal for tissueengineered xenograft. *Interact Cardiovasc Thorac Surg.* 2013 Oct;17(4):702-3. doi: 10.1093/icvts/ivt368. PubMed PMID: 24065756; PMCID: PMC3781826.
- 2013 **Bianchi G**, Ferrarini M, Matteucci M, Monteleone A, Aquaro GD, Passino C, Pucci A, Glauber M. Giant solitary fibrous tumor of the epicardium causing reversible heart failure. *Ann Thorac Surg.* 2013 Aug;96(2):e49-51. doi: 10.1016/j.athoracsur.2013.02.053. PubMed PMID: 23910146.
- 2013 Solinas M, **Bianchi G**, Glauber M. [Easy and reproducible technique to address tricuspid valve regurgitation with patch augmentation. *J Card Surg.* 2013 Nov;28(6):638-40. doi: 10.1111/jocs.12151. PubMed PMID: 23844626.
- 2013 **Bianchi G**, Solinas M, Gasbarri T, Bevilacqua S, Tiwari KK, Berti S, Glauber M. Pulmonary artery perforation by plug anchoring system after percutaneous closure of left appendage. *Ann Thorac Surg.* 2013 Jul;96(1):e3-5. doi: 10.1016/j.athoracsur.2012.12.057. PubMed PMID: 23816115.
- 2013 Aquaro GD, Frijia F, Positano V, Menichetti L, Santarelli MF, Ardenkjaer-Larsen JH, Wiesinger F, Lionetti V, Romano SL, **Bianchi G**, Neglia D, Giovannetti G, Schulte RF, Recchia FA, Landini L, Lombardi M. 3D CMR mapping of metabolism by hyperpolarized ¹³C-pyruvate in ischemia-reperfusion. *JACC Cardiovasc Imaging.* 2013 Jun;6(6):743-4. doi: 10.1016/j.jcmg.2012.11.023. PubMed PMID: 23764101; PubMed Central PMCID: PMC3800468.
- 2013 **Bianchi G**, Pucci A, Matteucci M, Varone E, Romano SL, Lionetti V, Glauber M. Mechanical properties and biological interaction of aortic clamps: are these all minimally invasive? *Innovations (Phila).* 2013 Jan-Feb;8(1):42-9. doi: 10.1097/IMI.obor13e31828d4903. PubMed PMID: 23571793.
- 2013 Wei X, Li T, Hagen B, Zhang P, Sanchez PG, Williams K, Li S, **Bianchi G**, Son HS, Wu C, DeFilippi C, Xu K, Lederer WJ, Wu ZJ, Griffith BP. Short-term mechanical unloading with left ventricular assist devices after acute myocardial infarction conserves calcium cycling and improves heart function. *JACC Cardiovasc Interv.* 2013 Apr;6(4):406-15. doi: 10.1016/j.jcin.2012.12.122. Erratum in: *JACC Cardiovasc Interv.* 2013 Sep;6(9):992. PubMed PMID: 23523452; PubMed Central PMCID: PMC3752892.
- 2013 Zhou K, Niu S, **Bianchi G**, Wei X, Garimella N, Griffith BP, Wu ZJ. Biocompatibility assessment of a long-term wearable artificial pump-lung in sheep. *Artif Organs.* 2013 Aug;37(8):678-88. doi: 10.1111/aor.12049. PubMed PMID: 23452221; PubMed Central PMCID: PMC3675162.
- 2013 **Bianchi G**, Solinas M, Glauber M. eComment. The use of mechanical assistance devices in post-infarction ventricular septal defects. *Interact Cardiovasc Thorac Surg.* 2013 Feb;16(2):196-7; discussion 197. doi: 10.1093/icvts/ivs569. PubMed PMID: 23334742; PubMed Central PMCID: PMC3548558.
- 2013 **Bianchi G**, Solinas M, Gilmanov D, Glauber M. Early bioprosthetic mitral valve degeneration due to subchordal apparatus impingement. *J Card Surg.* 2013 Mar;28(2):122-3. doi: 10.1111/jocs.12057. PubMed PMID: 23311618.
- 2013 Bernabei M, Margaryan R, Arcieri L, **Bianchi G**, Pak V, Murzi B. Aortic arch reconstruction in newborns with an autologous pericardial patch: contemporary results. *Interact Cardiovasc Thorac Surg.* 2013 Mar;16(3):282-5. doi: 10.1093/icvts/ivs510. PubMed

- PMID: 23223671; PubMed Central PMCID: PMC3568820.
- 2012 Zhao Y, Li T, Wei X, **Bianchi G**, Hu J, Sanchez PG, Xu K, Zhang P, Pittenger MF, Wu ZJ, Griffith BP. Mesenchymal stem cell transplantation improves regional cardiac remodeling following ovine infarction. *Stem Cells Transl Med.* 2012 Sep;1(9):685-95. doi: 10.5966/sctm.2012-0027. Erratum in: *Stem Cells Transl Med.* 2013 Aug;2(8):633. PubMed PMID: 23197875; PubMed Central PMCID: PMC3659738.
- 2012 Di Lascio G, Harmelin G, Targetti M, Nanni C, **Bianchi G**, Gasbarri T, Gelsomino S, Bani D, Orlandini SZ, Bonacchi M. Cellular retrograde cardiomyoplasty and relaxin therapy for postischemic myocardial repair in a rat model. *Tex Heart Inst J.* 2012;39(4):488-99. PubMed PMID: 22949764; PubMed Central PMCID: PMC3423271.
- 2012 **Bianchi G**, Solinas M, Bevilacqua S, Glauber M. Are bioprostheses associated with better outcome than mechanical valves in patients with chronic kidney disease requiring dialysis who undergo valve surgery? *Interact Cardiovasc Thorac Surg.* 2012 Sep;15(3):473-83. doi: 10.1093/icvts/ivs236. Review. PubMed PMID: 22659267; PubMed Central PMCID: PMC3422947.
- 2012 Wu ZJ, Zhang T, **Bianchi G**, Wei X, Son HS, Zhou K, Sanchez PG, Garcia J, Griffith BP. Thirty-day in-vivo performance of a wearable artificial pump-lung for ambulatory respiratory support. *Ann Thorac Surg.* 2012 Jan;93(1):274-81. doi: 10.1016/j.athoracsur.2011.08.076. PubMed PMID: 22115337; PubMed Central PMCID: PMC3244576.
- 2012 Zhang T, Wei X, **Bianchi G**, Wong PM, Biancucci B, Griffith BP, Wu ZJ. A novel wearable pump-lung device: in vitro and acute in vivo study. *J Heart Lung Transplant.* 2012 Jan;31(1):101-5. doi: 10.1016/j.healun.2011.08.022. PubMed PMID: 22014451; PubMed Central PMCID: PMC3237773.
- 2011 **Bianchi G**, Bevilacqua S, Solinas M, Glauber M. In adult patients undergoing redo surgery for left atrioventricular valve regurgitation after atrioventricular septal defect correction, is replacement superior to repair? *Interact Cardiovasc Thorac Surg.* 2011 Jun;12(6):1033-9. doi: 10.1510/icvts.2010.256040. Review. PubMed PMID: 21398648.
- 2010 Gibber M, Wu ZJ, Chang WB, **Bianchi G**, Hu J, Garcia J, Jarvik R, Griffith BP. In vivo experience of the child-size pediatric Jarvik 2000 heart: update. *ASAIO J.* 2010 Jul-Aug;56(4):369-76. doi: 10.1097/MAT.0b013e3181db555e. PubMed PMID: 20467298.
- 2010 Lionetti V, **Bianchi G**, Recchia FA, Ventura C. Control of autocrine and paracrine myocardial signals: an emerging therapeutic strategy in heart failure. *Heart Fail Rev.* 2010 Nov;15(6):531-42. doi: 10.1007/s10741-010-9165-7. Review. PubMed PMID: 20364318.
- 2009 **Bianchi G**, Solinas M, Bevilacqua S, Glauber M. Which patient undergoing mitral valve surgery should also have the tricuspid repair? *Interact Cardiovasc Thorac Surg.* 2009 Dec;9(6):1009-20. doi: 10.1510/icvts.2009.217570. Review. PubMed PMID: 19778956.

Book Chapters

- 2018 Solinas M, **Bianchi G**. Right Anterior Mini-Thoracotomy for Aortic Valve Replacement. In: Fattouch K., Lancellotti P, Vannan M., Speziale G. (eds) *Advances in Treatments for Aortic Valve and Root Diseases*. Springer, Cham
doi: https://doi.org/10.1007/978-3-319-66483-5_18
print ISBN: 978-3-319-66482-8; online ISBN: 978-3-319-66483-5

Invited Lectures

- 2017 *Chirurgia Mitralica* Il percorso del paziente cardiopatico: dal territorio all'Ospedale: Ruolo Cardiochirurgico. 17-18 Novembre 2017 Napoli - ITALY
- 2017 *I Nuovi VAD* in "Heart-to-Date", Scuola Superiore Sant'Anna, Pisa 5-7 March 2017 - ITALY
- 2016 *Degenerative Mitral Valve Disease Surgical Repair and Minimally Invasive Surgery* in Livorno Cuore - Livorno - ITALY
- 2016 *Surgery for Diastolic Disease: mythology* in "Diastolic Disease", Fondazione Menarini Symposium, Pisa 1-3 March 2016 - ITALY
- 2014 *Tricuspid Valve Surgery Reconstruction* Lubjiana - Slovenja