

Antonio Grimaldi



Antonio Grimaldi, M.D.

Born in Bari- Italy- 26-04-1969

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Institutional Affiliation

- Istituto Scientifico San Raffaele - via Olgettina 60 - 20132 Milano
- Casa di Cura San Camillo - via M. Macchi 5 -20124 Milano

Specialty

- Cardiology - Echocardiography

Background

- University of Bari Medical School Degree (M.D. 1995)
- Residency Milano “Centro Cardiologico Fondazione Monzino” (1995-1999)
- Postgraduate fellowship in Echocardiography at Mount Sinai Hospital – New York (1999)
- Istituto Clinico Humanitas Milano staff cardiology and echocardiography (1999-2003),
(Head of Department, F. Faletta)
- San Raffaele Hospital - Cardiac Surgery Department staff cardiologists (Head, Prof. Ottavio Alfieri): still currently working since 2003.
- Clinica San Camillo, staff cardiologist: currently working since 2015.

- Experienced in echocardiographic assessment (conventional and 3D echocardiography) of Valvular Heart Disease, Cardiac Heart Failure, Adult Congenital Heart Disease
- More than 5000 Transesophageal exams performed as first operator
- 2009-2013: Screening for the prevalence of Rheumatic Heart Disease in school-children in the urban area of Kampala and Gulu, Uganda; selection of patients with advanced RHD valve involvement and CHD to submit to surgery.
- August 2014: fellowship in adult and pediatric cardiac surgery at Groote Schuur Hospital, University of Cape Town, South Africa.

Interests

- Integrated Cardiovascular Imaging based on conventional and Three-dimensional Echocardiography and Cardiac Magnetic Resonance (Valvular Heart Disease, CHF, Hypertrophic Cardiomyopathy, Cardiac Mass, Adult Congenital Disease)
- Mitral valve repair – aortic valve repair (intra-operative assessment, periprocedural monitoring and post operative follow up)
- Minimally invasive and Percutaneous techniques (TAVI- MitraClip) for valve disease
- Research area: Heart Valve Disease, surgical treatment of CHF, percutaneous techniques for Valvular Repair, CMR; assessment of “Neglected Valvular Disease” for surgical repair (RHD, EMF and valve involvement)

Publications

- 1) La Marchesina U, Bragato RM, [Grimaldi A](#), Melzi G, Armino F, Faletra F. Posterior echocardiography windows: usefulness in clinical practice. [Ital Heart J Suppl. 2001;2:158-60.](#)
- 2) Bragato RM, La Marchesina U, [Grimaldi A](#), Faletra F. Clinical usefulness of a sagittal ultrasonography study of the left atrium: report of a case. [Ital Heart J Suppl. 2001;2:1117-20](#)
- 3) Faletra F, La Marchesina U, Bragato R, [Grimaldi A](#). Mitral insufficiency. [Ital Heart J Suppl. 2002;3:486-94](#)
- 4) Barbier P, [Grimaldi A](#), Alimento M, Berna G, Guazzi MD. Echocardiographic determinants of mitral early flow propagation velocity. [Am J Cardiol. 2002;90:613-9](#)
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- 6) De Bonis M, Lapenna E, La Canna G, [Grimaldi A](#), Maisano F, Torracca L, Caldarola A, Alfieri O. A novel technique for correction of severe tricuspid valve regurgitation due to complex lesions. [Eur J Cardiothorac Surg. 2004;25:760-5](#)
- 7) Maisano F, Ziskind Z, [Grimaldi A](#), Blasio A, Caldarola A, De Bonis M, La Canna G, Alfieri O. Selective reduction of the septolateral dimensions in functional mitral regurgitation by modified-shape ring annuloplasty. [J Thorac Cardiovasc Surg. 2005;129:472-4](#)
- 8) La Canna G, Montorfano M, Ficarra E, Michev I, Capritti E, [Grimaldi A](#), De Cobelli F, Verzini A, Colombo A, Alfieri O. Non-pharmacological treatment of hypertrophic obstructive cardiomyopathy guided by echocardiography. [G Ital Cardiol \(Rome\). 2006;7:192-205](#)
- 9) Torracca L, Lapenna E, De Bonis M, Kassem S, La Canna G, Crescenzi G, Castiglioni A, [Grimaldi A](#), Alfieri O. Minimally invasive mitral valve repair as a routine approach in selected patients. [J Cardiovasc Med \(Hagerstown\). 2006;7:57-60](#)

- 10) De Bonis M, Lapenna E, La Canna G, Verzini A, [Grimaldi A](#), Sorrentino F, Castiglioni A, Torracca L, Maisano F, Benussi S, Alfieri O. Conventional surgery for congestive heart failure. [G Ital Cardiol \(Rome\)](#). 2006;7:241-51
- 11) Maisano F, La Canna G, [Grimaldi A](#), Viganò G, Blasio A, Mignatti A, Colombo A, Maseri A, Alfieri O. Annular-to-leaflet mismatch and the need for reductive annuloplasty in patients undergoing mitral repair for chronic mitral regurgitation due to mitral valve prolapse. [Am J Cardiol](#). 2007;99:1434-9
- 12) La Canna G, Airolidi F, Capritti E, [Grimaldi A](#), Colombo A, Alfieri O. Alcohol septal ablation versus surgical myectomy: a patient with obstructive HCM. [Nat Clin Pract Cardiovasc Med](#). 2007;4:570-6.
- 13) De Bonis M, Lapenna E, Sorrentino F, La Canna G, [Grimaldi A](#), Maisano F, Torracca L, Alfieri O. Evolution of tricuspid regurgitation after mitral valve repair for functional mitral regurgitation in dilated cardiomyopathy. [Eur J Cardiothorac Surg](#). 2008;33:600-6.
- 14) De Bonis M, Lapenna E, Verzini A, La Canna G, [Grimaldi A](#), Torracca L, Maisano F, Alfieri O. Recurrence of mitral regurgitation parallels the absence of left ventricular reverse remodeling after mitral repair in advanced dilated cardiomyopathy. [Ann Thorac Surg](#). 2008;85:932-9.
- 15) La Canna G, Maisano F, De Michele L, [Grimaldi A](#), Grassi F, Capritti E, De Bonis M, Alfieri O. Determinants of the Degree of Functional Aortic Regurgitation in Patients With Anatomically Normal Aortic Valve and Ascending Thoracic Aorta Aneurysm Transesophageal Doppler Echocardiography Study. [Heart](#). 2009;95:130-6.
- 16) Lapenna E, De Bonis M, Sorrentino F, La Canna G, [Grimaldi A](#), Torracca L, Maisano F, Alfieri O. Commissural closure for the treatment of commissural mitral valve prolapse or flail. [J Heart Valve Dis](#). 2008;17:261-6.
- 17) Lapenna E, De Bonis M, Maisano F, Crescenzi G, La Canna G, Torracca L, [Grimaldi A](#), Alfieri O. "Four-leaflet clover repair" of severe tricuspid valve regurgitation due to complex lesions. [J Cardiovasc Med \(Hagerstown\)](#). 2008;9:847-9.

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- 19) Faletra F, [Grimaldi A](#), Pasotti E, Klimusina J, Evangelista A, Alfieri O, Moccetti T, Pedrazzini G. Real-time 3-dimensional transesophageal echocardiography during double percutaneous mitral edge-to-edge procedure. [JACC Cardiovasc Imaging. 2009;2:1031-3.](#)
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- 22) [Grimaldi A](#), Collu E, Castiglioni A, La Canna G, Alfieri O. A Case of Homograft Anastomotic Dehiscence. [J Card Surg 2010;25:531-2.](#)
- 23) [Grimaldi A](#), Collu E, Castiglioni A, La Canna G, De Bonis M, Bignami E, Melisurgo G, Alfieri O. Images in Medicine. A "four-leaf clover" aortic valve. [HSR Proceedings in Intensive Care and Cardiovascular Anesthesia 2010- 2: X-XX.](#)
- 24) Collu E, [Grimaldi A](#), Castiglioni A, Benussi S, Castiglioni A, Bignami E, Rizzo N, De Bonis M, Melisurgo G, La Canna G, Alfieri O. Images in Medicine. A rare case of unexpected cardiac incidentaloma causing syncope. [HSR Proceedings in Intensive Care and Cardiovascular Anesthesia 2010- 2: X-XX.](#)
- 25) [Grimaldi A](#), Ammirati A, Piraino D, Vermi AC, Arendar I, Sacco F, La Canna G, Alfieri O. Images in Medicine. Sudden hypotensive syndrome mimicking acute pulmonary embolism after major abdominal surgery. [HSR Proceedings in Intensive Care and Cardiovascular Anesthesia 2010- 2: X-XX.](#)

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- 27) Pappalardo F, [Grimaldi A](#), Melisurgo G, Scandroglio AM. Acute right ventricular failure post ascending aorta surgery. [Interact Cardiovasc Thorac Surg 2010;12:276-7.](#)
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- 37) [Grimaldi A](#), Alfieri O, Camici P.G, La Canna G, Zoppei G, Olivotto I. “African sickness” and the Heart: the mysteries of endomyocardial fibrosis. A Review. [G Ital Cardiol \(Rome\)](#) 2011;12:484-91.
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- 39) [Grimaldi A](#), Maisano F, Montorfano M, Latib A, Spagnolo P, La Canna G, Alfieri O, Zangrillo A, Colombo A. Multimodality Imaging in TAVI procedures: the central role of Echocardiography. A Review. [G Ital Cardiol \(Rome\)](#) 2011;12:652-63.
- 40) [Grimaldi A](#), Fumero A, Taramasso M, Pappalardo F, Sanvito F, Ammirati E, Capritti E, Castiglioni A, Collu E, Pala MG, Zangrillo A, Alfieri O. Polypoid atrial myxoma. [J Cardiovasc Med](#) 2012;13:529-30.
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- 43) Montorfano M, Latib A, Chieffo A, Moshiri S, Franco A, [Grimaldi A](#), Alfieri O, Colombo A. Successful Percutaneous Anterograde Transcatheter Valve-in-Valve Implantation in the Mitral Position. *JACC Cardiovasc Interv.* 2011;4:1246-1247.
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- 49) [Grimaldi A](#), Ajello S, Bove T, Scandroglio M, Melisurgo G, Calabrò MG, Zangrillo A, Pappalardo F. An Unusual "Swinging" Biatrial Mass. *J Cardiothorac Vasc Anesth.* 2012;27:194-6.
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- 52) Oral Presentations From the WORLD CONGRESS OF CARDIOLOGY Scientific Sessions 2012. [Circulation 2012 Apr 15.](#)
- 53) Poster Presentations From the WORLD CONGRESS OF CARDIOLOGY Scientific Sessions 2012. [Circulation 2012 Apr 15.](#)
- 54) [Grimaldi A](#), Vermi AC, Alfieri O, Olivotto I, Sacco FM, Camici PG, Freers J. Calcified Left Ventricular Endomyocardial Fibrosis". [J Heart Valve Dis. 2012;21:384-6.](#)
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