

CURRICULUM VITAE: PROF. FRANCESCO MAISANO

DATI PERSONALI

Prof. Francesco Maisano

POSIZIONE ATTUALE

Primario di Cardiocirurgia, IRCCS Ospedale San Raffaele di Milano, Direttore del Valve Center dell'IRCCS Ospedale San Raffaele
Professore Ordinario di Cardiocirurgia della Università Vita Salute

QUALIFICAZIONI ACCADEMICHE

- 1990 MD Degree - Thesis "Parenteral nutrition in the intensive care unit " (University of Rome – Catholic University of the Holy Heart)
- 1994 Special Postgraduate Fellowship, University of Alabama Birmingham, Alabama USA
- 1995 Cardiac Surgery License – Thesis "Surgery for severe left ventricular dysfunction" (University of Rome – Università La Sapienza)
- 2014 Appointed Full Professor of Cardiac Surgery (University of Zürich)
- 2022 Appointed Full Professor of Cardiac Surgery (University Vita Salute, Milano)

ESPERIENZA PROFESSIONALE

Dal 1.6.2022	Professore Ordinario (prima fascia) in Cardiocirurgia presso la Università Vita Salute di Milano
Dal 1.4.2021	Primario di Cardiocirurgia, IRCCS Ospedale San Raffaele di Milano, Direttore del Valve Center dell'IRCCS 2014-2021
2017-2018	Direttore del Dipartimento di Cardiologia (Herzzentrum) dell'Ospedale Universitario di Zurigo
2014-2020	Direttore della clinica di Cardiocirurgia dell'Ospedale Universitario di Zurigo. Professore Ordinario (prima fascia) in Cardiocirurgia presso la Università di Zurigo (UZH)
2013-2014	responsabile del team multidisciplinare di terapia transcatheter strutturali presso Ospedale Universitario di Zurigo
2009-2013	responsabile del team multidisciplinare di terapia transcatheter strutturali presso Ospedale San Raffaele
1997-2009	Aiuto chirurgo in Cardiocirurgia (Ospedale San Raffaele , Milano)
1995-1997	Assistente chirurgo presso Ospedale Civile di Brescia – Brescia, Italy
1995-1995	Chirurgo interno presso Clinica Pinna Pintor – Turin, Italy
1994-1994	Post-Graduate Fellow at the University of Alabama at Birmingham - Alabama USA

FORMALE ATTRIBUZIONE DI INCARICHI DI INSEGNAMENTO O DI RICERCA (FELLOWSHIP) PRESSO QUALIFICATI ATENEI E ISTITUTI DI RICERCA ESTERI O SOVRANAZIONALI

- Insegnamento presso Politecnico di Milano - Diploma Universitario di Ingegneria Biomedica dal 01-01-1997 al 01-01-1999
- docente a contratto presso il Master Universitario di secondo livello in Cardiologia Interventistica dal 16-07-2012 al 31-08-2013
- Direttore della scuola di Specializzazione in Cardiocirurgia presso l'università di Zurigo dal 01-10-2014 a oggi
- Incarico di Insegnamento di Cardiocirurgia presso la Facoltà di Medicina della Università di Zurigo dal 01-10-2014 a oggi

- Insegnamento e direzione di Certificate of Advances Sciences (equivalente a master di II livello) in Mitral and tricuspid valve structural interventions dal 01-01-2016 a oggi
- Insegnamento e direzione di Certificate of Advances Sciences (equivalente a master di II livello) in Aortic valve structural interventions dal 01-01-2016 a oggi
- Insegnamento e direzione di Certificate of Advances Sciences (equivalente a master di II livello) in multimodality imaging for structural interventions dal 01-01-2018 a oggi

MEMBRO DELLE SEGUENTI ASSOCIAZIONI SCIENTIFICHE

- Swiss society of Cardiac Surgery (SGHC), member of the Board
- European Association of Cardiothoracic Surgery (EACTS)
- European Association of Percutaneous Cardiovascular Interventions (EAPCI)
- International Society of Minimally Invasive Cardiac Surgery (ISMICS)
- Fellow of the European Society of Cardiology (ESC)
- National Association of Physician Cardiologist (ANMCO)
- Italian Society of Cardiovascular Echography (SIEC)
- Cardiothoracic Surgery Network (CTSnet)
- Italian Society of Cardiac Surgery (SICCH)
- European Valve Repair Group (EVRG)
- European association percutaneous cardiac interventions (EAPCI)
- European association cardiovascular imaging (EACVI)
- Heart Failure association of the ESC (HFA)

PARTECIPAZIONE AD ASSOCIAZIONI

- membro del comitato di selezione del University Medicine Zurich Flagship Selection (HMZ 2017-2019)
- Direttore del Master di primo e secondo livello dei Certificate of Advanced Sciences e Master of Advanced Sciences (CAS/MAS) della Università di Zurigo (2017-2019): Master in Cardiovascular Structural Interventions, Certificate of Advanced Sciences in Aortic structural interventions, Certificate of Advanced Sciences in Mitral and Tricuspid structural interventions, Certificate of Advanced Sciences in Imaging for structural interventions.
- Codirettore del congresso internazionale Mitral Valve Meeting (MVM) (2014-2018)
- Codirettore del congresso internazionale HeartLab (simulation based training in CV interventions)
- Codirettore del congresso internazionale TVT
- Codirettore del congresso internazionale PCR London valves
- membro del Scientific committee of TCT (2008-)
- membro del Council Valve disease of the ESC
- membro del Board of the Council on Valve disease of the ESC (2017-)
- CoChair del ISMICS 2010, Berlin
- ISMICS program committee 2010-2016
- Codirettore del TCT "percutaneous interventions for the surgeons" TCT2007-2010
- Codirettore del Valve Summit 2010
- Codirettore di numerosi corsi su Imaging, transcatheter techniques and technologies for cardiac surgeons – per Medtronic
- Course director of the EVRG Meet the experts courses on mitral valve repair (2008-)
- Endovascular Portal Editorial Board of the CTSNET (2009-2012)
- Domain of Acquired Cardiac Disease EACTS (2009-2012)
- membro del Patent committee of the San Raffaele Science Park RAF (2006-2013)
- Advisory board dello studio i TC-023-IM, sponsored by NYCOMED (2006)
- EACTS: Endovascular Surgery Resource Group Committee (2005-2009)
- EACTS Postgraduate education Committee (2005-2008)
- EACTS New technology committee (organizing committee of TechnoCollege) (2007-2012)
- ESC-EACTS working group on transcatheter valves (2007-2008)
- Educational activities with major companies (Edwards, Medtronic, St Jude)
- Mitral valve repair panel of the Edwards Lifesciences (2008-)
- Attività educazionali presso la Università University Vita e Salute (San Raffaele University Hospital Milano)

- Professore a contratto della facoltà di Bioingegneria del Politecnico di Milano
- Insegnamenti al European School of the EACTS

DIREZIONE O PARTECIPAZIONE ALLE ATTIVITÀ DI UN GRUPPO DI RICERCA CARATTERIZZATO DA COLLABORAZIONI A LIVELLO NAZIONALE O INTERNAZIONALE

- Coinvestigator del trial TACHOSIL dal 01-01-2010 al 01-01-2013
- Principal Investigator (Direzioe) del trial 5 Year Observation of Patients With PORTICO Valves (PORTICO-1) - trial NCT01802788 dal 01-03-2013 a oggi
- Coinvestigator del trial Cardioband With Transfemoral Delivery System, NCT01841554 dal 01-04-2013 al 01-03-2020
- Coinvestigator del trial LARIAT RS: An Observational Study of the Performance and Safety of the LARIAT RS Suture Delivery Device, NCT02059707 dal 01-02-2014 a oggi
- coinvestigatore nel SWISS TAVI Registry, NCT01368250 dal 01-10-2014 a oggi
- Coinvestigatore nel BIOVALVE trial, NCT02249000 dal 01-01-2015 al 01-01-2019
- Principal Investigaator (direzioe) e sponsor del trial HiRiDe, High and Intermediate Risk Degenerative Mitral Regurgitation Treatment: A Trial Comparing MitraClip® to Surgical Therapy (HiRiDe)trial NCT02534155 dal 27-08-2015 al 09-09-2016
- Coinvestigator nel trial SYNTAX III REVOLUTION Trial: A Randomized Study Investigating the Use of CT Scan and Angiography of the Heart to Help the Doctors Decide Which Method is the Best to Improve Blood Supply to the Heart in Patients With Complex Coronary Artery Disease (SYNTAX III): NCT02813473 dal 01-07-2016 al 01-09-2019
- coinvestigatore nel trial Outcomes of Transcatheter Aortic Valve Implantation in Oncology Patients With Severe Aortic Stenosis (TOP-AS), NCT03181997 dal 01-01-2017 al 01-01-2019
- Coinvestigatore nel trial TAVI-SMALL dal 01-01-2018 a oggi
- Coinvestigator of the Trivalve Registry , International Multisite Transcatheter Tricuspid Valve Therapies Registry: NCT03416166 dal 30-01-2018 a oggi
- Principal Investigator (direzioe) del trial The MitraClip® EXPAND Study of the Next Generation of MitraClip® Devices NCT03502811 dal 19-04-2018 a oggi
- Coinvestigatore nel trial MitraClip in Acute Mitral Regurgitation NCT03107455 dal 01-01-2019 al 01-02-2020
- Coinvestigatore nello studio Cardiovalve Transfemoral Mitral Valve System (AHEAD).NCT03813524 dal 01-01-2019 a oggi

RESPONSABILITA' SCIENTIFICA PER PROGETTI DI RICERCA INTERNAZIONALI E NAZIONALI, AMMESSI AL FINANZIAMENTO SULLA BASE DI BANDI COMPETITIVI CHE PREVEDANO LA REVISIONE TRA PARI

- GRANT finanziato su base di bando competitivo con revisione tra pari della fondazione Svizzera di Cardiologia: "Role of LV volume overload and afterload mismatch during progression and treatment of functional mitral regurgitation" - CHF 99.393 dal 23-11-2015 a 1.1.2021
- Grant finanziato su base di bando competitivo con revisione tra pari della Fondazione "HERz und Kreislaufkrankheiten" su EpiPhrenic PORcine Study (EPOS) - Physiologic Mechanism Behind Cardiac Enhancement Therapy, a Novel Implantable Therapy Concept for Heart Failure Patients with Narrow- QRS and/or no Evidence of Mechanical Intra-Ventricular Dyssynchrony" - 300.000 CHF dal 01-02-2017 a 1.1.2021
- Grant finanziato su base di bando competitivo con revisione tra pari della Fondazione Svizzera di Cardiologia "Impact of mitral valve replacement on intracardiac fluid dynamics and left ventricular efficiency" - 70.000CHF dal 09-11-2017 a 1.1.2021

ORGANIZZAZIONE O PARTECIPAZIONE COME RELATORE A CONVEGNI DI CARATTERE SCIENTIFICO IN ITALIA O ALL'ESTERO

Dal 2009 invitato per piu di 400 letture magistrali a convegni nazionali e internazionali,

Nel solo 2019 ha eseguito 52 letture su invito:

- Heart Failure Swiss society of Cardiology: Management of functional mitral regurgitation in heart failure;
- JIM 2019: Advances in transcatheter mitral valve repair,
- ESC Cardiology Update: Mitral Valve repair for secondary MR,

- CRT 2019: How to Handle Complex Degenerative Pathology; The Results of Portico 1; Minimally Invasive Mitral Valve Surgery- Why this is Becoming the New Gold Standard; Ongoing and Future Directions in Percutaneous Treatment of Mitral Valve Regurgitation; Cardioband Direct Annuloplasty, TMVR Versus Repair - What Does the Future Hold?; TriCinch (4Tech) Technology Update, Mitral and Tricuspid Valve Repair/Replacement: Where are we Going from Here? - The Surgeons Perspective; Surgical Interventions for FMR: Is There Still a Role?
- THV GREECE 2019: Lessons from an International Registry on Transcatheter Tricuspid Therapies; You can't beat safety and simplicity: Edge to edge therapies will be the dominant strategy for mitral repair; Patient selection for transcatheter tricuspid edge-to-edge grasping and clinical outcomes
- AATS: How a Surgeon Became an Innovator in Cardiology; Novel Percutaneous Strategies for Heart Failure MR; Getting Ready for the Tricuspid Era
- EuroPCR 2019: Transcatheter mitral valve implantation in failed surgical mitral repair; Early feasibility study of the cardiovalve transfemoral mitral valve system; Translating de COAPT/MitraFR results in the clinical practice;
- Heart Failure Association of the ESC Meeting: Managing tricuspid valve disease: an innovative therapeutic option; TAVI should be used in low risk patients with symptomatic severe aortic stenosis – Con; The hurdles and perspectives of heart transplantation.
- TVT2019: XTR:Impact on Therapy and Unique Opportunities and Challenges; Similar to Surgery, Combination Repair Therapies Will Give the Most Durable Outcomes and Least Complications; Annuloplasty Therapies: Conceptual Overview: Pros & Cons; Cardiovalve: Attributes, Challenges, and Early Clinical Data;
- Congresso Nazionale della società svizzera di Cardiochirurgia (SGHC): Mitraclip - a debate - PRO, ESC 2019: Surgery for tricuspid regurgitation - Repair, replace or refrain from it?; Surgical vs. catheter- based treatment of mitral regurgitation in 2030
- Cardiologia 2019: Insufficienza tricuspide: quando e come trattarla,
- TCT 2019: Transcatheter Mitral Valve Repair:What Device(s) for Which Patient? ; What Do We Really Know About Transcatheter Tricuspid Intervention? ; Understanding the EXPAND Registry; Transcatheter Tricuspid Valve Interventions, Emerging Catheter-Based Therapies: Thinking Outside the Box; Cardiovalve — Device Description, Results, and Ongoing Studies TCT 2019
- EACTS 2019: TAVI valve long-term durability – what is the available data?; Basic transseptal techniques for surgeons: lets acquire the skills; Failure of primary intervention (clip or surgery): is there a plan B?
- GISE 2019: An update on percutaneous treatments of mitral valve
- PCR London Valves 2019: Reducing vascular complications in TAVI; Transseptal Cardiovalve, PCR London Valves 2019
- Congresso della società di Cardiochirurgia Portoghese: INnovation in Cardiac Surgery: Mitral Valve, French PMVR: La « Key Note : La Révolution Valvulaire Mitrale Percutanée – The Revolution in Percutaneous Mitral Valve Space »
- Euroecho 2019: Can anatomy and physiology help us determine best treatment for TR? ; TAVI vs. surgery in intermediate and low risk patients with AS: the imaging perspective – PRO surgery.
- ICI 2019: Mitral Valve Regurgitation - When to Repair, When to Replace; A Cardioband Tricuspid Somersault; Simulands:Human Grade Portable Simulators to Revolutionize Cardiovascular Device Development and Clinical Training; Tricuspid Valve Regurgitation When & How; Cardiology Update London, Londra: Tricuspid Regurgitation: the New Frontier

Dal 2009 ha partecipato alla organizzazione di numerosi congressi fra cui:

- Organizzatore dei Congressi Mitrale del IRCCS San Raffaele dal 2009 al 2013
- Codirettore dei convegni TVT (transcatheter Valve Therapeutics) dal 2012 al 2015
- Direttore del convegno Mitral Valve Meeting 2015-2018 dal 01-02-2015 al 01-02-2018
- Course director (core team) di PCR valves e PCR London Valve dal 01-02-2019 a oggi

CONSEGUIMENTO DI PREMI E RICONOSCIMENTI PER L'ATTIVITÀ SCIENTIFICA, INCLUSA L'AFFILIAZIONE AD ACCADEMIE DI RICONOSCIUTO PRESTIGIO NEL SETTORE

- Vincitore del "c.walton lillehei young investigator award" della eacts per "OUTSTANDING RESEARCH IN THE AREA OF CARDIO VASCULAR SURGERY" - 1999

- VINCITORE DEL PREMIO "BEST TECHNOLOGY PARADE PRESENTATION" ICI 2010 il 05-12-2010
- ESC Paul Hugenoltz Lecture for Innovation Award 2018 "Innovation in CV Medicine: Together we win" e SILVER MEDAL il 30-08-2018
- ICI Lifetime Achievement in Research and Teaching in the Field of interventional Cardiology Award 2018 il 07-12-2018

Revisore e partecipazione a Board Editoriali e comitati di revisione

Journals

- Journal of Cardiovascular Medicine
- Annals Thoracic Surgery
- Circulation
- European Heart Journal
- European Journal Thoracic Cardiovascular Surgery
- International Journal of Cardiology
- Innovations (Editorial Board)
- Eurointervention (Editorial Board – Section Editor 2021-2022-2023)
- Portuguese Journal of Cardio-thoracic and Vascular Surgery (Editorial Board)
- Nature Cardiology Review
- Circulation (Japan)
- GISE Journal
- MMCTS (Editorial Board)
- Interactive Cardiovascular and Thoracic surgery (Editorial Board)
- Italian Journal of Cardiology
- Journal of Cardiovascular Disease
- Interventional Cardiology
- Future Science Group (Editorial Board)
- Minerva Cardioangiologica (Editorial Board)
- JACC
- JACC interventions
- JACC imaging
- Lancet

BREVETTI

1. OVER-WIRE ROTATION TOOL	ES2662768 (T3)	2018-04-09
2. RETAINING MECHANISMS FOR PROSTHETIC VALVES	US2018028313 (A1)	2018-02-01
3. FOSSA OVALIS PENETRATION USING PROBING ELEMENTS	US2018000516 (A1)	2018-01-04
4. FOSSA OVALIS PENETRATION	US2017296781 (A1)	2017-10-19
5. TRICUSPID VALVE REPAIR USING TENSION	JP2017176850 (A)	2017-10-05
6. TRICUSPID VALVE REPAIR USING TENSION	US2017258465 (A1)	2017-09-14
7. FOSSA OVALIS PENETRATION	CN106999211 (A)	2017-08-01
8. CARDIAC TISSUE CINCHING	CN106573129 (A)	2017-04-19
9. TRICUSPID VALVE REPAIR USING TENSION	US2017056174 (A1)	2017-03-02
10. SUTURE-SECURING FOR CARDIAC VALVE REPAIR	US2017000474 (A1)	2017-01-05
11. METHODS FOR REPAIRING MITRAL VALVES	US2016367366 (A1)	2016-12-22
12. PERCUTANEOUS TETHER LOCKING	US2015119936 (A1)	2015-04-30
13. FOSSA OVALIS PENETRATION USING BALLOONS	US2014309678 (A1)	2014-10-16
14. FOSSA OVALIS PENETRATION	US2014309675 (A1)	2014-10-16
15. RETAINING MECHANISMS FOR PROSTHETIC VALVES	AU2014202116 (A1)	2014-05-01
16. METHOD AND APPARATUS FOR TRICUSPID VALVE REPAIR...	CA2842288 (A1)	2013-01-24
17. METHODS OF REPAIRING AN ABNORMAL MITRAL VALVE	US2012172983 (A1)	2012-07-05
18. METHOD AND APPARATUS FOR TRICUSPID VALVE REPAIR...	US2012035712 (A1)	2012-02-09
19. Delivery tool for implantation of spool assembly coupled to a helical anchor	US2011282361 (A1)	2011-11-17
20. IMPLANTATION OF REPAIR CHORDS IN THE HEART	WO2010128502 (A1)	2010-11-11
21. ADJUSTABLE REPAIR CHORDS AND SPOOL MECHANISM THEREFOR	US2010161041 (A1)	2010-06-24
22. DISPOSITIVO PER USO IN EMODINAMICA	ITMI20070906 (A1)	2008-11-08
23. MEZZO PER VEDERE UNA VALVOLA CARDIACA IN FASE....	ITMI20060963 (A1)	2007-11-17
24. ANNULOPLASTY RINGS FOR REPAIR OF ABNORMAL MITRAL VALVES	WO2005034813 (A2)	2005-04-21

RISULTATI OTTENUTI NEL TRASFERIMENTO TECNOLOGICO IN TERMINI DI PARTECIPAZIONE ALLA CREAZIONE DI NUOVE IMPRESE (SPIN OFF), SVILUPPO, IMPIEGO E COMMERCIALIZZAZIONE DI BREVETTI

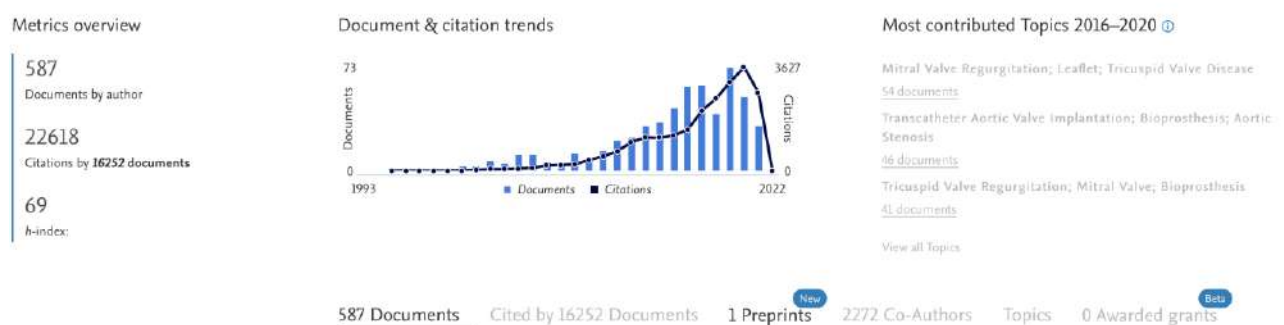
- Cofondatore di 4tech, spin-off basata su brevetti di cui sono inventore, che si occupa di riparazione valvolare tricuspidale dal 01-01-2010 a oggi
- cofondatore di transseptal solutions dal 01-04-2013 a oggi
- Membro del consiglio di amministrazione di SwissVortex, un incubatore per innovazione medica dal 01-01-2017 al 1.6.2021
- Fondatore di Occlufit, uno Spin-off della Università di Zurigo, basato su un Brevetto di mia invenzione dal 01-01-2019 a oggi

COOPERAZIONI CON INDUSTRIA, DICHIARAZIONE DEI POTENZIALI CONFLITTI DI INTERESSE (ultimi 24 mesi)

CONSULENTE PER: Abbott, Edwards, Medtronic, Bioventrix, Xeltis, Magenta, CMO: Valtechcardio
COFONDATORE: Affix/Perifect; 4Tech; Transseptalsolutions; Board Member: Swissvortex (incubator)

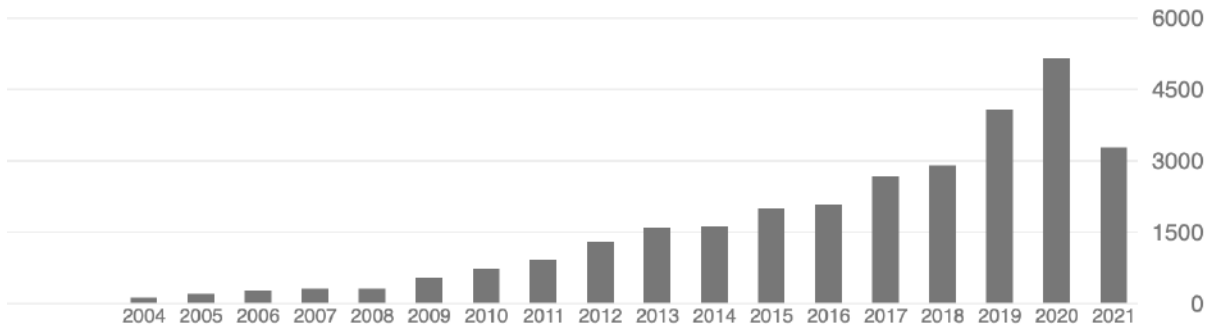
DICHIARAZIONE DEI POTENZIALI CONFLITTI DI INTERESSE: Francesco Maisano received Grant and/or Research Support from Abbott, Medtronic, Edwards Lifesciences, Biotronik, Boston Scientific Corporation, NVT, Terumo; receives Consulting fees, Honoraria from Abbott, Medtronic, Edwards Lifesciences, SwissVortex, Perifect, Xeltis, Transseptalsolutions, Cardiovalve, Magenta ; has Royalty Income/IP Rights Edwards Lifesciences; and is Shareholder of Cardiogard, Magenta, SwissVortex, Transseptalsolutions, 4Tech, Perifect

Scopus H-Index 69 (scopus, 7/2021)



Google Scholar H-Index 88 (Google Scholar 7/2021)

	Tutte	Dal 2016
Citazioni	30936	20324
Indice H	88	69
i10-index	340	296



PUBBLICAZIONI (n. 539, PUBMED 9/2020)

1. Lorusso R, Zogno M, La Canna G, Metra M, Sandrelli L, Borghetti V, **Maisano F**, Alfieri O. Dynamic cardiomyoplasty as an effective therapy for dilated cardiomyopathy. *J Card Surg.* 1993;8(2):177-83. Epub 1993/03/01.
2. **Maisano F**, Berra Centurini P, Alfieri O. [Combined valve repair for mitral-aortic insufficiency]. *G Ital Cardiol.* 1995;25(12):1601-5. Epub 1995/12/01. Riparazione valvolare combinata per l'insufficienza mitro-aortica.
3. **Maisano F**, Lorusso R, Alfieri O. The periprosthetic sac-innominate vein shunt: an effective way to control bleeding after aortic root operations. *J Thorac Cardiovasc Surg.* 1995;109(2):396. Epub 1995/02/01.
4. Coletti G, Torracca L, La Canna G, **Maisano F**, Sebastiano P, Fucci C, Berra P, Alfieri O. Diagnosis and management of cerebral malperfusion phenomena during aortic dissection repair by transesophageal Doppler echocardiographic monitoring. *J Card Surg.* 1996;11(5):355-8. Epub 1996/09/01.
5. **Maisano F**, Lorusso R, Sandrelli L, Torracca L, Coletti G, La Canna G, Alfieri O. Valve repair for traumatic tricuspid regurgitation. *Eur J Cardiothorac Surg.* 1996;10(10):867-73. Epub 1996/01/01.
6. Fucci C, Ferrari M, La Canna G, Coletti G, Nardi M, **Maisano F**, Dalla Tomba M, Alfieri O. [Repair in rheumatic mitral valve insufficiency]. *G Ital Cardiol.* 1997;27(6):544-8. Epub 1997/06/01. Plastica della valvola mitrale nell'insufficienza di natura reumatica.
7. Giammaria M, **Maisano F**, Bobbio M, Cuni D, Alfieri O, Pinna Pintor P. [Models of preoperative risk stratification in cardiac surgery: the prediction of mortality or of survival?]. *G Ital Cardiol.* 1998;28(11):1261-72. Epub 1998/12/29. Modelli di stratificazione del rischio preoperatorio in cardiocirurgia: predizione di mortalità o di sopravvivenza?
8. **Maisano F**, Torracca L, Oppizzi M, Stefano PL, D'Addario G, La Canna G, Zogno M, Alfieri O. The edge-to-edge technique: a simplified method to correct mitral insufficiency. *Eur J Cardiothorac Surg.* 1998;13(3):240-5; discussion 5-6. Epub 1998/06/17.
9. Alfieri O, **Maisano F**. An effective technique to correct anterior mitral leaflet prolapse. *J Card Surg.* 1999;14(6):468-70. Epub 2000/10/06.
10. **Maisano F**, Redaelli A, Pennati G, Fumero R, Torracca L, Alfieri O. The hemodynamic effects of double-orifice valve repair for mitral regurgitation: a 3D computational model. *Eur J Cardiothorac Surg.* 1999;15(4):419-25. Epub 1999/06/17.
11. Gimelli G, Di Mario C, Dharmadhikari AV, Montorfano M, Anzuini A, Vaghetti M, Puchala-Borowik M, Airolidi F, Carlino M, Tzifos V, **Maisano F**, Alfieri O, Colombo A. Surgical and percutaneous myocardial angiogenesis induction. Part I--laser revascularization. *Ital Heart J.* 2000;1(12):785-94. Epub 2001/01/11.
12. Lu C, Carlino M, Fragasso G, **Maisano F**, Margonato A, Cappelletti A, Chierchia SL. Enoximone echocardiography for predicting recovery of left ventricular dysfunction after revascularization : a novel test for detecting myocardial viability. *Circulation.* 2000;101(11):1255-60. Epub 2000/03/22.

13. **Maisano F**, Schreuder JJ, Oppizzi M, Fiorani B, Fino C, Alfieri O. The double-orifice technique as a standardized approach to treat mitral regurgitation due to severe myxomatous disease: surgical technique. *Eur J Cardiothorac Surg*. 2000;17(3):201-5. Epub 2000/04/12.
14. Redaelli A, **Maisano F**, Schreuder JJ, Montevecchi FM. Ventricular motion during the ejection phase: a computational analysis. *J Appl Physiol* (1985). 2000;89(1):314-22. Epub 2000/07/25.
15. Alfieri O, **Maisano F**, De Bonis M, Stefano PL, Torracca L, Oppizzi M, La Canna G. The double-orifice technique in mitral valve repair: a simple solution for complex problems. *J Thorac Cardiovasc Surg*. 2001;122(4):674-81. Epub 2001/10/03.
16. Gimelli G, Di Mario C, Liistro F, Dharmadhikari AV, Montorfano M, Anzuini A, Vagheti M, Puchala-Borowik M, Airolidi F, Carlino M, Tzifos V, **Maisano F**, Alfieri O, Colombo A. Surgical and percutaneous myocardial angiogenesis induction. Part II--neoangiogenesis. *Ital Heart J*. 2001;2(1):21-4. Epub 2001/02/24.
17. Redaelli A, Guadagni G, Fumero R, **Maisano F**, Alfieri O. A computational study of the hemodynamics after "edge-to-edge" mitral valve repair. *J Biomech Eng*. 2001;123(6):565-70. Epub 2002/01/11.
18. Agricola E, **Maisano F**, Oppizzi M, De Bonis M, Torracca L, La Canna G, Alfieri O. Mitral valve reserve in double-orifice technique: an exercise echocardiographic study. *J Heart Valve Dis*. 2002;11(5):637-43. Epub 2002/10/03.
19. Castiglioni A, Quarti A, Schreuder J, Blasio A, Benussi S, Torracca L, **Maisano F**, Alfieri O. Surgical restoration of the left ventricle for postinfarction aneurysm. *Ital Heart J*. 2002;3(6):370-4. Epub 2002/07/16.
20. Donelli A, Jansen JR, Hoeksel B, Pedeferra P, Hanania R, Bovelandt J, **Maisano F**, Castiglioni A, Ottavio A, Schreuder JJ. Performance of a real-time diastolic notch detection and prediction algorithm in arrhythmic human aortic pressure signals. *J Clin Monit Comput*. 2002;17(3-4):181-5. Epub 2002/11/29.
21. Landoni G, Marino G, Gerli C, Bellotti F, Bove T, Pappalardo F, Mamo D, Aletti G, **Maisano F**, Alfieri O, Torri G. Beating-heart coronary artery bypass graft surgery at San Raffaele Hospital: four years of experience. *J Cardiothorac Vasc Anesth*. 2002;16(6):691-4. Epub 2002/12/18.
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l'Autorizzazione al trattamento dei dati personali ai sensi del Regolamento UE n.679/2016 e del Dlgs 2003 n. 196