

UNIVERSITÀ DEGLI STUDI DI MILANO

Selezione pubblica per n. 1 posto/i di Ricercatore a tempo determinato ai sensi dell'art.24, comma 3, lettera b) della Legge 240/2010 per il settore concorsuale 06/D1 - Malattie dell'Apparato Cardiovascolare e Malattie dell'Apparato Respiratorio, settore scientifico-disciplinare MED/11 - Malattie dell'Apparato Cardiovascolare presso il Dipartimento di SCIENZE BIOMEDICHE PER LA SALUTE, (avviso bando pubblicato sulla G.U. n. 23 del 20/03/2020) Codice concorso 4288

Francesco Bandera

CURRICULUM VITAE

INFORMAZIONI PERSONALI

COGNOME	BANDERA
NOME	FRANCESCO
DATA DI NASCITA	12.10.1978

ORCID ID	ORCID.ORG/0000-0002-5821-7371
Scopus Author ID	55325767500
Researcher ID	K-6532-2016

Abilitazione Scientifica Nazionale (BANDO D.D. 1532/2016), ottenuta il 31 ottobre 2018, per professore di II fascia nel SETTORE CONCORSUALE 06/D1 MALATTIE DELL'APPARATO CARDIOVASCOLARE E MALATTIE DELL'APPARATO RESPIRATORIO valida dal 31/10/2018 AL 31/10/2024.

ESPERIENZA LAVORATIVA

<ul style="list-style-type: none"> • Date (da – a) • Tipo di azienda o settore • Tipo di impiego 	Giugno 2017 – oggi Università degli studi di Milano, Milano Ricercatore a tempo determinato di tipo A
<ul style="list-style-type: none"> • Date (da – a) • Tipo di azienda o settore • Tipo di impiego 	Giugno 2012 – oggi IRCCS Policlinico San Donato, Milano Cardiologo Ricercatore presso U. O. Cardiologia Universitaria (Prof. Guazzi)
<ul style="list-style-type: none"> • Date (da – a) • Tipo di azienda o settore • Tipo di impiego 	Maggio 2010 – giugno 2012 IRCCS Policlinico San Donato, Milano Cardiologo presso il “Centro per la diagnosi e il trattamento delle valvulopatie” (Dr. Montericcio)
<ul style="list-style-type: none"> • Date (da – a) • Tipo di azienda o settore • Tipo di impiego 	2008 - 2010 Laboratorio di Ecocardiografia ed imaging cardiovascolare non invasivo (Dr. Conti - Dr. De Tommasi) - Malattie Cardiovascolari II - Dr. Bongiorno - Azienda Ospedaliero Universitaria Pisana Libera frequenza
<ul style="list-style-type: none"> • Date (da – a) • Tipo di azienda o settore 	Aprile 2007 – Marzo 2012 Ambulatori del SSN (Misericordia Viareggio - LU) e strutture private (Fondazione Iseni - Lonate Pozzolo - VA) Istituto di riabilitazione cardio-respiratoria “S. Maria alla Pineta” - Fondazione Don Carlo Gnocchi - Marina di Massa - MS

• Tipo di impiego	Specialista in Cardiologia e Guardia Medica
• Date (da – a)	2005
• Tipo di azienda o settore	Dipartimento Cardiotoracico Università di Pisa
• Tipo di impiego	Attività di collaborazione alla ricerca scientifica borsa di studio: “Effetti dell’iperglicemia acuta e cronica e della modulazione del sistema renina-angiotensina sulla funzione endoteliale e sulla funzione miocardica del diabete mellito tipo 1”.
• Date (da – a)	2004-2005
• Tipo di azienda o settore	Hospital Universitari de Bellvitge - Unità Coronarica, Barcellona, Spagna
• Tipo di impiego	Borsa di studio IDIBELL: “Studio dello stato di antiaggregazione in pazienti coronarici e volontari sani mediante l’apparato PFA-100®”.
• Date (da – a)	2003-2004
• Tipo di azienda o settore	Hospital Clinic – Unidad de Arritmias (Prof. J. Brugada), Barcelona, Spagna
• Tipo di impiego	Tesi di laurea (Progetto Erasmus)
ATTIVITÀ DIDATTICA	
• Date (da – a)	A.A. 2017-2018 - A.A. 2019-2020
• Istituzione	Università degli Studi di Milano – Scuola di Specializzazione in Malattie dell’Apparato Cardiovascolare
• Tipo di attività	Membro del Consiglio dei Docenti
• Date (da – a)	A. A. 2017-2018 – A. A. 2019-2020
• Istituzione	Università degli Studi di Milano – Scuola di Specializzazione in Radiodiagnostica
• Tipo di attività	Membro del Consiglio dei Docenti
• Date (da – a)	A.A. 2017-2018 - A.A. 2019-2020
• Istituzione	Università degli Studi di Milano – Scuola di Specializzazione in Malattie dell’apparato cardiovascolare
• Tipo di attività	Attività didattica frontale (RTD-A)
• Date (da – a)	A. A. 2017-2018 – A. A. 2019-2020
• Istituzione	Università degli Studi di Milano – Scuola di Specializzazione in Radiodiagnostica
• Tipo di attività	Attività didattica frontale (RTD-A)
• Date (da – a)	A. A. 2018-2019 – A. A. 2019-2020
• Istituzione	Università degli Studi di Milano – Laurea in Medicina e Chirurgia (semeiotica e patologia degli apparati I)
• Tipo di attività	Attività didattica frontale (RTD-A)
• Date (da – a)	A. A. 2018-2019 - A.A. 2019-2020
• Istituzione	Università degli Studi di Milano – Laurea in Tecniche della Prevenzione nell’ambiente e nei luoghi di lavoro
• Tipo di attività	Attività didattica frontale per il corso di Scienze interdisciplinari cliniche 2 (RTD-A)
• Date (da – a)	A.A. 2011-2012 – A.A. 2016-2017
• Istituzione	Università degli Studi di Milano – Laurea magistrale in Medicina e Chirurgia - Polo Centrale – Linea IRCCS Policlinico San Donato
• Tipo di attività	Attività didattica frontale (Contratto per personale SSR) Tutore dell’attività pratica del corso di Laurea Magistrale in Medicina e Chirurgia
• Date (da – a)	A. A. 2018-2019
• Istituzione	Università degli Studi di Milano – Corso per Master di II livello in ecocardiografia clinica

• Tipo di attività	Attività didattica frontale e pratica (RTD-A)
ATTIVITÀ DI RICERCA	
• Date (da – a)	2018 - oggi
• Nome e tipo di istituto	Dipartimento di Scienze Biomediche
• Progetto	“Effect of sacubitril/valsartan on Functional capacity and pulmonary pressures: an Echocardiographic, metabolic and proteomic study” – EFFECT Study
• Ruolo	Principal Investigator
• Date (da – a)	2017 - oggi
• Nome e tipo di istituto	IRCCS Policlinico San Donato
• Progetto	REDUCE-LAP Trial
• Ruolo	Co-Principal Investigator
• Date (da – a)	2017 - oggi
• Nome e tipo di istituto	Dipartimento di Scienze Biomediche
• Progetto	Obesità e steatosi cardiaca: valutazione del ruolo del recettore per i prodotti di glicazione avanzata (RAGE)
• Ruolo	Co-Principal Investigator (Responsabile della valutazione della funzionalità cardiaca)
• Date (da – a)	2017 - oggi
• Nome e tipo di istituto	IRCCS Policlinico San Donato
• Progetto	Validation of real time 3D echocardiography automatic adaptive analytics algorithm against cardiac magnetic resonance for volumes quantification in multiple heart disease population – VoluME study
• Ruolo	Principal Investigator
• Date (da – a)	Novembre 2016 - oggi
• Nome e tipo di istituto	IRCCS Policlinico San Donato
• Progetto	Morphological and functional adaptation of right ventricle at different stages of pulmonary circulation involvement in heart failure patients with reduced ejection fraction - Right study.
• Ruolo	Principal Investigator
• Date (da – a)	Maggio 2016 - oggi
• Nome e tipo di istituto	IRCCS Policlinico San Donato
• Progetto	Rimodellamento ventricolo destro nell'infarto miocardico sinistro
• Ruolo	Co-Investigator
• Date (da – a)	2016 - 2018
• Nome e tipo di istituto	IRCCS Policlinico San Donato
• Progetto	Progetto EAT Educational
• Ruolo	Membro del Comitato Scientifico
• Date (da – a)	Febbraio 2016 – settembre 2017
• Nome e tipo di istituto	IRCCS Policlinico San Donato
• Progetto	Function of left atrium and symptoms in patients with chronic heart failure – The multicenter FLASH Study
• Ruolo	Co-Investigator
• Date (da – a)	2009 - 2010
• Nome e tipo di istituto	Azienda Ospedaliera Universitaria Pisana

• Progetto	Dissincronia miocardica ed attività simpatica, valutate mediante gated-SPECT nei pazienti con insufficienza cardiaca trattata con resincronizzazione – MyDySyA – Eudract: 2008-00-666666-28
• Ruolo	Co-Investigator
ISTRUZIONE E FORMAZIONE	
• Date (da – a)	2009-2015
• Nome e tipo di istituto di istruzione o formazione	Università di Roma “Tor Vergata”
• Qualifica conseguita	PhD in Fisiopatologia Sperimentale Indirizzo Cardiovascolare – 110/110 e lode
• Date (da – a)	2005-2009
• Nome e tipo di istituto di istruzione o formazione	Università di Pisa
• Qualifica conseguita	Specializzazione in Malattie dell'Apparato Cardiovascolare - 110/110 e lode
• Date (da – a)	1997-2003
• Nome e tipo di istituto di istruzione o formazione	Università dell'Insubria - Varese Universidad de Barcelona – Progetto Erasmus (VI anno di corso)
• Qualifica conseguita	Laurea in Medicina e Chirurgia 110/110 e lode
• Date (da – a)	1992-1997
• Nome e tipo di istituto di istruzione o formazione	Liceo Scientifico Galileo Ferraris - Varese
• Qualifica conseguita	Maturità Scientifica
CAPACITÀ E COMPETENZE PERSONALI	
PRIMA LINGUA	ITALIANO
ALTRE LINGUE	INGLESE
• Capacità di lettura	OTTIMO
• Capacità di scrittura	BUONO
• Capacità di espressione orale	BUONO
• Capacità di lettura	SPAGNOLO
• Capacità di scrittura	OTTIMO
• Capacità di espressione orale	OTTIMO
CAPACITÀ E COMPETENZE TECNICHE	
	<ul style="list-style-type: none"> ◆ Creazione e gestione di database per ricerca scientifica (Microsoft Excel, Acces, Redcap) ◆ Statistica Biomedica (SPSS) ◆ Ottima capacità informatica (Microsoft Office, Acces, Machintosh)
ALTRE CAPACITÀ E COMPETENZE	
	CERTIFICAZIONI <ul style="list-style-type: none"> ◆ Adult Transthoracic Ecocardiography Accreditation of European Society of Cardiology (2010) ◆ Cardiac Magnetic Resonance Accreditation of European Association of Cardiology (2016) ◆ Basic Training ACC/ASNC in Cardiologia Nucleare (2008) ◆ BLS-D Certification ANMCO-AHA (2008) – BLS-D Certification IRC (luglio 2016) ◆ ACLS Certification ANMCO-AHA (2008) ◆ Istruttore Primo Soccorso Croce Rossa Italiana (2006)

AFFILIAZIONI A SOCIETÀ SCIENTIFICHE

- ESC - EUROPEAN SOCIETY OF CARDIOLOGY
- EACVI – EUROPEAN ASSOCIATION OF CARDIOVASCULAR IMAGING

PERCORSO FORMATIVO SPECIALISTICO

- IRCCS Policlinico San Donato – Multimodality Cardiac Imaging Unit (Dr. Lombardi): RM basale e RM da stress
- IRCCS Policlinico San Donato – Laboratorio di Imaging funzionale (Prof. Guazzi): Test cardiopolmonare, ecocardiografia da sforzo, eco-stress, TEE per procedura di Mitraclip
- IRCCS Policlinico San Donato – Laboratorio di ecocardiografia (Dr. Montericcio): TTE, TEE, TEE intraoperatorio, eco-stress, degenza cardiologica
- Malattie Cardiovascolari II Azienda Ospedaliero-Universitaria Pisana - Laboratorio di Ecocardiografia ed imaging cardiovascolare non invasivo (Dr. Conti): TTE, TEE, Eco-stress, TDI, Dual Strain (VVI), Doppler trans-cranico.
- Malattie Cardiovascolari I Azienda Ospedaliero-Universitaria Pisana - Laboratorio di Ecocardiografia ed imaging non invasivo (Prof. Di Bello): TTE, TEE, Eco-stress.
- Fondazione G. Monasterio - CNR, Pisa - Risonanza Magnetica Cardiaca (Dr. Lombardi) e Medicina Nucleare (Dr. Marzullo): applicazione clinica della CMR; studio della perfusione miocardica.
- Ospedale G. Pasquinucci - CNR, Massa - Laboratorio di ecocardiografia, Chirurgia Cardiaca Adulti, Terapia Intensiva (Dr. Glauber, Dr. Berti): valvulopatie; chirurgia cardiaca; scompenso cardiaco acuto.
- Centro Regionale di Medicina Nucleare - Pisa (Prof. Mariani, Prof. Erba): studio della perfusione e della dissincronia miocardica; studio dell'innervazione miocardica; ricerca processi infettivi (endocarditi e devices cardiaci).
- Malattie Cardiovascolari I Azienda Ospedaliero-Universitaria Pisana - Unità Coronarica e Degenza (Prof. Marzilli, Prof. Balbarini, Prof. Mariotti): cardiopatia ischemica, scompenso cardiaco, valvulopatie.
- Malattie Cardiovascolari II Azienda Ospedaliero-Universitaria Pisana - Unità Coronarica e Degenza (Dr. Bongiorno): aritmologia, cardiopatia ischemica.
- Malattie Cardiovascolari II Azienda Ospedaliero-Universitaria Pisana - Aritmologia e stimolazione cardiaca (Dr. Bongiorno): imaging ecografico intravascolare; impianto e rimozione PM/ICD; SEF ed ablazioni con imaging integrato; attività ambulatoriale.
- Malattie Cardiovascolari I Azienda Ospedaliero-Universitaria Pisana - Emodinamica (Prof. Petronio): coronarografia diagnostica ed assistenza a procedure di rivascolarizzazione.

PUBBLICAZIONI

Pubblicazioni scientifiche su riviste indicizzate (IF riferimento 2018/2019)

N. totale pubblicazioni: 57

Media pubblicazioni per anno: 7,125

IF Totale: 324,791

IF Medio: 5,69

N. totale citazioni (al 18/04/2020): 950 (SCOPUS)

H index (al 18/04/2020): 16 (SCOPUS)

1. Chacko L, Martone R, Bandera F, Lane T, Martinez-Naharro A, Boldrini M, Rezk T, Whelan C, Quarta C, Rowczenio D, Gilbertson JA, Wongwarawipat T, Lachmann H, Wechalekar A, Sachchithanatham S, Mahmood S, Marcucci R, Knight D, Hutt D, Moon J, Petrie A, Cappelli F, Guazzi M, Hawkins PN, Gillmore JD, Fontana M. Echocardiographic phenotype and prognosis in transthyretin cardiac amyloidosis. *Eur Heart J*. 2020 Apr 7;41(14):1439-1447. doi: 10.1093/eurheartj/ehz905. PMID: 31950987.
2. Cameli M, Lembo M, Sciacaluga C, Bandera F, Ciccone MM, D'Andrea A, D'Ascanzi F, Esposito R, Evola V, Liga R, Mandoli GE, Palmiero P, Santoro C, Scicchitano P, Sorrentino R, Zito A, Pedrinelli R, Mondillo S, Mattioli AV, Galderisi M; Working Groups of Echocardiography and Arterial Hypertension of Italian Society of Cardiology (SIC). Identification of cardiac organ damage in arterial hypertension: insights by echocardiography for a comprehensive assessment. *J Hypertens*. 2020 Apr;38(4):588-598. doi: 10.1097/HJH.0000000000002323. PMID: 31809464.

3. Vianello E, Dozio E, Bandera F, Frolidi M, Micaglio E, Lamont J, Tacchini L, Schmitz G, Romanelli AMMC. Correlative Study on Impaired Prostaglandin E2 Regulation in Epicardial Adipose Tissue and its Role in Maladaptive Cardiac Remodeling via EPAC2 and ST2 Signaling in Overweight Cardiovascular Disease Subjects. *Int J Mol Sci.* 2020 Jan 14;21(2):520. doi: 10.3390/ijms21020520. PMID: 31947646; PMCID: PMC7014202.
4. Salvioni E, Corrà U, Piepoli M, Rovai S, Correale M, Paolillo S, Pasquali M, Magri D, Vitale G, Fusini L, Mapelli M, Vignati C, Lagioia R, Raimondo R, Sinagra G, Boggio F, Cangiano L, Gallo G, Magini A, Contini M, Palermo P, Apostolo A, Pezzuto B, Bonomi A, Scardovi AB, Filardi PP, Limongelli G, Metra M, Scrutinio D, Emdin M, Piccioli L, Lombardi C, Cattadori G, Parati G, Caravita S, Re F, Cicoira M, Frigerio M, Clemenza F, Bussotti M, Battaia E, Guazzi M, Bandera F, Badagliacca R, Di Lenarda A, Pacileo G, Passino C, Sciomer S, Ambrosio G, Agostoni P; MECKI score research group. Gender and age normalization and ventilation efficiency during exercise in heart failure with reduced ejection fraction. *ESC Heart Fail.* 2020 Feb;7(1):371-380. doi: 10.1002/ehf2.12582. Epub 2020 Jan 1. PMID: 31893579; PMCID: PMC7083437.
5. Bandera F, Baghdasaryan L, Mandoli GE, Cameli M. Multimodality imaging predictors of sudden cardiac death. *Heart Fail Rev.* 2019 Dec 2. doi: 10.1007/s10741-019-09893-z. Epub ahead of print. PMID: 31792657.
6. Sperlongano S, D'Andrea A, Mele D, Mandoli GE, Sorrentino R, Esposito R, Evola V, Bandera F, D'Alto M, Bossone E, Galderisi M, Cameli M; a nome del Gruppo di Studio di Ecocardiografia della Società Italiana di Cardiologia. L'eco-stress dell'unità cuore destro-circolo polmonare: razionale e possibilità applicative nella pratica clinica [Stress echocardiography of the right heart- pulmonary circulation unit: rationale and possibilities of application in clinical practice]. *G Ital Cardiol (Rome).* 2019 Dec;20(12):736-745. Italian. doi: 10.1714/3271.32382. PMID: 31834297.
7. Rovai S, Corrà U, Piepoli M, Vignati C, Salvioni E, Bonomi A, Mattavelli I, Arcari L, Scardovi AB, Perrone Filardi P, Lagioia R, Paolillo S, Magri D, Limongelli G, Metra M, Senni M, Scrutinio D, Raimondo R, Emdin M, Lombardi C, Cattadori G, Parati G, Re F, Cicoira M, Villani GQ, Minà C, Correale M, Frigerio M, Perna E, Mapelli M, Magini A, Clemenza F, Bussotti M, Battaia E, Guazzi M, Bandera F, Badagliacca R, Di Lenarda A, Pacileo G, Maggioni A, Passino C, Sciomer S, Sinagra G, Agostoni P; MECKI Score Research Group (see Appendix 1). Exercise oscillatory ventilation and prognosis in heart failure patients with reduced and mid-range ejection fraction. *Eur J Heart Fail.* 2019 Dec;21(12):1586-1595. doi: 10.1002/ehfj.1595. Epub 2019 Nov 28. PMID: 31782225.
8. Sollini M, Bandera F, Kirienko M. Quantitative imaging biomarkers in nuclear medicine: from SUV to image mining studies. Highlights from annals of nuclear medicine 2018. *Eur J Nucl Med Mol Imaging.* 2019 Dec;46(13):2737-2745. doi: 10.1007/s00259-019-04531-0. Epub 2019 Nov 5. PMID: 31690962.
9. Pastore MC, Mandoli GE, Aboumarie HS, Santoro C, Bandera F, D'Andrea A, Benfari G, Esposito R, Evola V, Sorrentino R, Cameli P, Valente S, Mondillo S, Galderisi M, Cameli M; Working Group of Echocardiography of the Italian Society of Cardiology. Basic and advanced echocardiography in advanced heart failure: an overview. *Heart Fail Rev.* 2019 Oct 15. doi: 10.1007/s10741-019-09865-3. Epub ahead of print. PMID: 31617033.
10. Laforgia P, Bandera F, Alfonzetti E, Guazzi M. Exercise chronotropic incompetence phenotypes the level of cardiovascular risk and exercise gas exchange impairment in the general population. An analysis of the Euro-EX prevention trial. *Eur J Prev Cardiol.* 2020 Mar;27(5):526-535. doi: 10.1177/2047487319863506. Epub 2019 Jul 25. PMID: 31345056.
11. Vianello E, Dozio E, Bandera F, Schmitz G, Nebuloni M, Longhi E, Tacchini L, Guazzi M, Corsi Romanelli MM. Dysfunctional EAT thickness may promote maladaptive heart remodeling in CVD patients through the ST2-IL33 system, directly related to EPAC protein expression. *Sci Rep.* 2019 Jul 17;9(1):10331. doi: 10.1038/s41598-019-46676-w. Erratum in: *Sci Rep.* 2020 Jan 21;10(1):1182. PMID: 31316160; PMCID: PMC6637132.
12. Vianello E, Marrocco-Trischitta Massimiliano M, Dozio E, Bandera F, Tacchini L, Canciani E, Dellavia C, Schmitz G, Lorenzo M, Corsi Romanelli Massimiliano M. Correlational study on altered epicardial adipose tissue as a stratification risk factor for valve disease progression through IL-13 signaling. *J Mol Cell Cardiol.* 2019

- Jul;132:210-218. doi: 10.1016/j.jmcc.2019.05.012. Epub 2019 May 15. Erratum in: J Mol Cell Cardiol. 2019 Aug;133:112. PMID: 31102584.
13. Camporeale A, Pieroni M, Pieruzzi F, Lusardi P, Pica S, Spada M, Mignani R, Burlina A, Bandera F, Guazzi M, Graziani F, Crea F, Greiser A, Boveri S, Ambrogi F, Lombardi M. Predictors of Clinical Evolution in Prehypertrophic Fabry Disease. *Circ Cardiovasc Imaging*. 2019 Apr;12(4):e008424. doi: 10.1161/CIRCIMAGING.118.008424. PMID: 30943767.
 14. Cameli M, Sciacaluga C, Loiacono F, Simova I, Miglioranza MH, Nistor D, Bandera F, Emdin M, Giannoni A, Ciccone MM, Devito F, Guaricci AI, Favale S, Lisi M, Mandoli GE, Henein M, Mondillo S. The analysis of left atrial function predicts the severity of functional impairment in chronic heart failure: The FLASH multicenter study. *Int J Cardiol*. 2019 Jul 1;286:87-91. doi: 10.1016/j.ijcard.2019.03.063. Epub 2019 Mar 29. PMID: 30955880.
 15. Sugimoto T, Bandera F, Generati G, Alfonzetti E, Barletta M, Losito M, Labate V, Rovida M, Caracciolo M, Pappone C, Ciccone G, Guazzi M. Left Atrial Dynamics During Exercise in Mitral Regurgitation of Primary and Secondary Origin: Pathophysiological Insights by Exercise Echocardiography Combined With Gas Exchange Analysis. *JACC Cardiovasc Imaging*. 2020 Jan;13(1 Pt 1):25-40. doi: 10.1016/j.jcmg.2018.12.031. Epub 2019 Mar 13. PMID: 30878440.
 16. Dozio E, Vianello E, Bandera F, Longhi E, Brizzola S, Nebuloni M, Corsi Romanelli MM. Soluble Receptor for Advanced Glycation End Products: A Protective Molecule against Intramyocardial Lipid Accumulation in Obese Zucker Rats? *Mediators Inflamm*. 2019 Feb 28;2019:2712376. doi: 10.1155/2019/2712376. PMID: 30944546; PMCID: PMC6421753.
 17. D'Andrea A, Stanziola AA, Saggari R, Saggari R, Sperlongano S, Conte M, D'Alto M, Ferrara F, Gargani L, Lancellotti P, Bossone E; RIGHT Heart International NETwork (RIGHT-NET) Investigators. Right Ventricular Functional Reserve in Early-Stage Idiopathic Pulmonary Fibrosis: An Exercise Two-Dimensional Speckle Tracking Doppler Echocardiography Study. *Chest*. 2019 Feb;155(2):297-306. doi: 10.1016/j.chest.2018.11.015. Epub 2018 Dec 10. PMID: 30543808
 18. 4° JOINT MEETING OF PATHOLOGY AND LABORATORY MEDICINE SIPMET-SIPMEL - SECOND JOINT MEETING IN COLLABORATION WITH ASIP-AMP-UEMS-WASPALM - 4° SIPMEL NATIONAL CONGRESS - 34° SIPMET NATIONAL CONGRESS - 4° CONGRESS OF PATHOLOGY AND LABORATORY MEDICINE, Dozio E, Bandera F, Vianello E, Brizzola S, Tacchini L, Corsi Romanelli MM. Upregulation of circulating levels of receptor for advanced glycation end products (sRAGE) in obese rats may protect against ectopic fat accumulation in the heart. *J Biol Regul Homeost Agents*. 2018 Jul-Aug;32(4 Suppl. 1):32. PMID: 30767496.
 19. 4° JOINT MEETING OF PATHOLOGY AND LABORATORY MEDICINE SIPMET-SIPMEL - SECOND JOINT MEETING IN COLLABORATION WITH ASIP-AMP-UEMS-WASPALM - 4° SIPMEL NATIONAL CONGRESS - 34° SIPMET NATIONAL CONGRESS - 4° CONGRESS OF PATHOLOGY AND LABORATORY MEDICINE, Vianello E, Dozio E, Tacchini L, Lamont J, Bandera F, Corsi Romanelli MM. Dysfunctional epicardial adipose tissue (EAT) and maladaptive heart remodeling in patients with increased visceral adiposity: the ST2/IL-33 cardio-fat signaling. *J Biol Regul Homeost Agents*. 2018 Jul-Aug;32(4 Suppl. 1):21-25. PMID: 30761863.
 20. Milito P, Lombardi M, Asti E, Bonitta G, Fina D, Bandera F, Bonavina L. Influence of large hiatus hernia on cardiac volumes. A prospective observational cohort study by cardiovascular magnetic resonance. *Int J Cardiol*. 2018 Oct 1;268:241-244. doi: 10.1016/j.ijcard.2018.05.016. Epub 2018 May 9. PMID: 29792284.
 21. Guazzi M, Bandera F, Ozemek C, Systrom D, Arena R. Cardiopulmonary Exercise Testing: What Is its Value? *J Am Coll Cardiol*. 2017 Sep 26;70(13):1618-1636. doi: 10.1016/j.jacc.2017.08.012. PMID: 28935040.
 22. Gaeta M, Campanella F, Gentile L, Schifino GM, Capasso L, Bandera F, Banfi G, Arpesella M, Ricci C. European cardiovascular mortality over the last three decades: evaluation of time trends, forecasts for 2016. *Ann Ig*. 2017 May-Jun;29(3):206-217. doi: 10.7416/ai.2017.2148. PMID: 28383612.
 23. Gaeta M, Bandera F, Tassinari F, Capasso L, Cargnelutti M, Pelissero G, Malavazos AE, Ricci C. Is epicardial fat depot associated with atrial fibrillation? A systematic review and meta-analysis. *Europace*. 2017 May 1;19(5):747-752. doi: 10.1093/europace/euw398. PMID: 28087595.
 24. Guazzi M, Dixon D, Labate V, Beussink-Nelson L, Bandera F, Cuttica MJ, Shah SJ.

- RV Contractile Function and its Coupling to Pulmonary Circulation in Heart Failure With Preserved Ejection Fraction: Stratification of Clinical Phenotypes and Outcomes. *JACC Cardiovasc Imaging*. 2017 Oct;10(10 Pt B):1211-1221. doi: 10.1016/j.jcmg.2016.12.024. Epub 2017 Apr 12. PMID: 28412423.
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48. Bandera F, Guazzi M, Arena R. Letter by Bandera et al regarding article, "Value of peak exercise oxygen consumption combined with B-type natriuretic peptide levels for optimal timing of cardiac transplantation". *Circ Heart Fail.* 2013 May;6(3):e41. doi: 10.1161/CIRCHEARTFAILURE.112.000050. PMID: 23694778.
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 57. Erba PA, Conti U, Lazzeri E, Sollini M, Doria R, De Tommasi SM, Bandera F, Tascini C, Menichetti F, Dierckx RA, Signore A, Mariani G. Added value of 99mTc-HMPAO-labeled leukocyte SPECT/CT in the characterization and management of patients with infectious endocarditis. *J Nucl Med.* 2012 Aug;53(8):1235-43. doi: 10.2967/jnumed.111.099424. Epub 2012 Jul 11. PMID: 22787109.

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- Di Cori A, Zucchelli G, Bandera F. "Cardiovascular imaging before lead extraction" in "Transvenous lead extraction: from simple traction to internal transjugular approach" Ed. Bongiorni M. - Springer-Verlag Mailand – 2011; pagine 115-128. doi: 10.1007/978-88-470-1466-4.

RICONOSCIMENTI E PREMI

- High Score Poster at Euroecho Imaging 2016: "VO₂ flattening during exercise in heart failure: evidence for a combined low cardiac output ed inefficient O₂ extraction". Leipzig, 7-10 dicembre 2016.
- High Score Poster at Euroecho Imaging 2015: "Pattern of cardiac output vs O₂ uptake ratio during maximal exercise in heart failure with reduced ejection fraction: pathophysiological insights". Sevilla, 2-5 dicembre 2015.
- High Score Poster at Euroecho Imaging 2015: "Study of right ventricular to pulmonary circulation uncoupling at peak exercise in heart failure by gas exchange analysis combined to echocardiography". Sevilla, 2-5 dicembre 2015.
- Award "Luci in Aritmologia 2011" per il miglior contributo scientifico "Dissincronia meccanica, perfusione miocardica ed innervazione adrenergica nei soggetti candidati a terapia di resincronizzazione cardiaca". Pisa, 15/17 giugno 2011.
- Miglior Poster al Congresso della Società Italiana di Cardiologia 2004: "Differenze nello studio degli effetti dell'aspirina sull'aggregabilità piastrinica: comparazione di un metodo funzionale (PFA-100®) con un metodo metabolico (Trombossano B urinario)."

RELAZIONI AD INVITO A CORSI E CONGRESSI

1. Congresso "Il respiro: da sintomo a target terapeutico". Relazione: La respirazione nello scompenso cardiac. Milano, 20 febbraio 2020
2. Congresso SIICP 2020. Relazione: "Cardiopatia Ischemica Cronica: stratificazione di rischio e follow up". San Donato Milanese, 26 gennaio 2019
3. 80° Congresso SIC. Relazione: "Come effettuare un eco-stress da sforzo" Roma, 12-15 dicembre 2020.
4. 3rd Advanced course and congress on Imaging Infection and Inflammation. Lecture: "The cardiologist: how to use diagnostic information in clinical practice". Roma, 9-10 dicembre 2019.

5. EuroEcho-Imaging 2019. Lecture: "Measuring Left Atrial Pressures at Exercise?". Vienna, 4-7 dicembre 2019.
6. Congresso Nazionale "La complessità della pratica clinica: come affrontarla? Casi clinici in Medicina Generale" – VII edizione. Relazione: "Quale valore di LDL dobbiamo raggiungere". 22-23 novembre 2019.
7. Congresso SIIICP 2019. Relazione: "Cardiopatía Ischemica Cronica: stratificazione di rischio e follow up". 26 gennaio 2019
8. EuroEcho-Imaging 2018. Lecture "Role of exercise testing in the assessment of pulmonary hypertension". 5-8 dicembre 2018.
9. EuroEcho-Imaging 2018. Live case of Exercise-Echocardiography and CPET. 5-8 dicembre 2018.
10. Progetto NAO Team – Un lavoro di squadra: quali NAO per quali pazienti? Moderazione del corso. Milano, 8 novembre 2018.
11. Congresso Nazionale "Lo scompenso cardiaco". Relazione: "Il test cardiopolmonare + eco-sforzo: uno scanner fisiopatologico". Siena – 18-19 maggio 2018.
12. 6th Theoretical and Practical Course: Applications and Developments of Cardiopulmonary Test and Stress Echocardiography in Cardiology. Lectures: "The combination of cardiopulmonary test and stress echo: methodology and technical implications"; "CPET and atrial fibrillation: pathophysiology and therapeutic insights on NAO". Practical sessions: "Focus on the right ventricle, right ventricle and exercise: how to evaluate it". Live cases of cardiopulmonary exercise test and exercise-echocardiography. San Donato Milanese, 5-6 aprile 2018.
13. Translational Non-invasive Cardiovascular Imaging – A research continuum from biomedical science to clinical practice and a new patient-centered paradigm. Discussant of "Methodology: the incremental value of ergospirometric exercise echocardiography in the evaluation of patients with HF". Pisa, 26-27 gennaio 2018.
14. EuroEcho-Imaging 2017. Lecture: "The role of stress echocardiography in non-ischemic heart disease: cardiomyopathies". Lisbon, 6-9 dicembre 2017.
15. EuroEcho-Imaging 2017. Lecture: "Acute dyspnea: the role of ultrasound". Lisbon, 6-9 dicembre 2017.
16. EuroEcho-Imaging 2017. Discussant at "HIT Poster session 3". Lisbon, 6-9 dicembre 2017.
17. La gestione del paziente cardio-pneumologico: quali strumenti diagnostici? Responsabile scientifico. Relazioni: "Il paziente con scompenso cardiaco cronico e BPCO", "Il paziente dispnoico", "Il percorso clinico-diagnostico in sinergia tra lo specialista sul territorio ed il MMG". San Giuliano Milanese, 28 ottobre 2017.
18. Progetto Link Different 2.0. Corso di approfondimento sulla terapia antipertensiva. Milano, 26 ottobre 2017.
19. Cuore e Polmone. San Donato Milanese, 8 aprile 2017.
20. Progetto Link Different. Corso di approfondimento sulla terapia antipertensiva. Milano, 8 febbraio 2017.
21. 5th Theoretical and Practical Course: Applications and Developments of Cardiopulmonary Test and Stress Echocardiography in Cardiology. Lectures: "The combination of cardiopulmonary test and stress echo: methodology and technical implications"; "Mitral dynamic regurgitation: how to measure it and what phenotypes". Practical sessions: "Focus on the right ventricle, right ventricle and exercise: how to evaluate it". Live cases of cardiopulmonary exercise test and exercise-echocardiography. San Donato Milanese, 30-31 marzo 2017.
22. 2nd European Congress on Imaging Infection and Inflammation. Lecture: "Endocarditis and cardiac device infections". Roma, 12-13 dicembre 2016.
23. EuroEcho-Imaging 2016. Lecture: Severe valvular disease: what is an asymptomatic patient? Leipzig, 7-10 dicembre 2016.
24. Tecniche di Imaging in Cardiologia – Corso residenziale. Relazioni: "Ecocardiografia e CMR, tecniche di imaging complementari nell'adulto"; "Ecocardiografia e RM da stress". San Donato Milanese, 11 giugno 2016.
25. Tecniche di Imaging in Cardiologia – Corso residenziale. Relazioni: "Ecocardiografia e CMR, tecniche di imaging complementari nell'adulto"; "Ecocardiografia e RM da stress". San Donato Milanese, 28 maggio 2016.
26. La diagnostica cardiologica e le tecniche di imaging. II edizione. Relazioni: "Lo studio della morfologia e della funzione cardiaca con Ecocardiografia";

- “Trattamento dell’ipertensione arteriosa, CAD ed Ecocardiografia”; “Presentazione esperienze condivise mediante ecocardiografia”. Casi clinici. San Donato Milanese, 19-21 aprile 2016.
27. 4th Theoretical and Practical Course: Applications and Developments of Cardiopulmonary Test and Stress Echocardiography in Cardiology. Lectures: “The combination of cardiopulmonary test and stress echo: methodology and technical implications”; “Atrial fibrillation, exercise performance and new anticoagulants”; “Mitral dynamic regurgitation: how to measure it and what phenotypes”. Live cases of CPET and exercise-echocardiography. San Donato Milanese, 7-8 aprile 2016.
 28. EACPR HANDS ON COURSE: Performing Exercise Measures and Intervention Trials in Heart Failure. Lecture: “Methods for assessing functional capacity and echo imaging”. Live cases of CPET and exercise-echocardiography. San Donato Milanese, 3-4 marzo 2016.
 29. Progetto formativo cloud – semplificare la gestione e la terapia del paziente iperteso. Corso di approfondimento sulla terapia antipertensiva. Milano, 24 febbraio 2016.
 30. Punto di ascolto tra malati neuromuscolari, medici e ricercatori. Relazione: “Presenza in carico del malato neuromuscolare, dal punto di vista del cardiologo”. San Donato Milanese, 19 settembre 2015.
 31. Valve Therapy 2015. La valvulopatia mitro-aortica nel paziente ad alto rischio. Relazioni: “La valutazione dinamica dell’insufficienza mitralica”; “La stenosi aortica: la valutazione ecografica oltre i gradienti”. San Donato Milanese, 5 e 31 marzo 2015.
 32. 3rd Theoretical and Practical Course: Applications and Developments of Cardiopulmonary Test and Stress Echocardiography in Cardiology. Lectures: “The combination of cardiopulmonary test and stress echo: methodology and technical implications”; “Mitral dynamic regurgitation: how to measure it and what phenotypes”. Live cases of CPET and exercise-echocardiography. San Donato Milanese, 12-13 marzo 2015.
 33. La diagnostica cardiologica e le tecniche di imaging. Relazioni: “Lo studio della morfologia e della funzione cardiaca con Ecocardiografia”; “CAD, Ipertensione ed Ecocardiografia”; “Cardiomiopatie non ischemiche”. San Donato Milanese, 15-17 aprile 2015.
 34. Gestione ospedaliera e territoriale del paziente coronaropatico e scompensato. Relazione: “Dagli studi alla pratica clinica: nuove evidenze dell’ivabradina nei pazienti scompensati”. Milano, 4 febbraio 2015.
 35. 75° Congresso Nazionale della Società Italiana di Cardiologia. Relazione: “The future of cardiovascular imaging”. Roma, 13-15 dicembre 2014.
 36. La diagnostica cardiologica e le tecniche di imaging. Relazioni: “Lo studio della morfologia e della funzione cardiaca con Ecocardiografia”; “Malattia coronarica ed ecocardiografia”; “Cardiomiopatie e CMR”. San Donato Milanese, 8 e 22 novembre 2014.
 37. Workshop Insufficienza Cardiaca. L’insufficienza cardiaca a frazione d’ieiezione preservata: rilevanza epidemiologica, fisiopatologica e linee terapeutiche. Relazione: “Ecografia da sforzo e diastole: l’approccio dinamico”. San Donato Milanese, 9 ottobre 2014.
 38. Pisa Heart Failure Congress 2014 - Nebula Heart. Relazione: “Il test ecocardiopolmonare nell’insufficienza cardiaca avanzata”. Pisa, 26-27 settembre 2014.
 39. Progressi in Ecocardiografia 2014. Il contributo delle nuove tecnologie alla gestione clinica delle patologie cardiovascolari. Relazione: “Il test cardiopolmonare combinato con eco-sforzo nelle valvulopatie: quali informazioni nella pratica clinica.” Pisa, 7 giugno 2014.
 40. 2nd Theoretical and Practical Course: Applications and Developments of Cardiopulmonary Test and Stress Echocardiography in Cardiology. Lectures: “The combination of cardiopulmonary test and stress echo: methodology and technical implications”; “Mitral dynamic regurgitation: how to measure it and what phenotypes”. Live cases of CPET and exercise-echocardiography. San Donato Milanese, 13-14 marzo 2014.
 41. Gestione diagnostica dell’ipertensione nelle 24 ore: istruzioni per l’uso corretto del monitoraggio pressorio. San Donato Milanese, 31 gennaio 2014.

42. Workshop Scompenso Cardiaco – La terapia medica dell'insufficienza cardiaca: certezze, novità ed attese. Relazione: "L'ivabradina: il di più è meglio". San Donato, Milanese, 25 ottobre 2013.
43. I Corso teorico-pratico: Applicazioni e sviluppi del test cardiopolmonare in cardiologia. Protocolli e modalità d'esercizio. Casi live di test cardiopolmonare combinato con ecocardiografia da sforzo. San Donato Milanese, 13-14 giugno 2013.
44. Annual International Surgical Training in Ventricular Reconstruction. Lecture: "Multimodality imaging in ventricular reconstruction". IRCCS Policlinico San Donato, 21-22 novembre 2012.
45. Il Punto di ascolto tra malati neuromuscolari, medici e ricercatori. Relazione: "Presenza in carico del malato neuromuscolare, dal punto di vista del cardiologo". San Donato Milanese, 19 ottobre 2011.
46. Il Punto di Ascolto tra medici, ricercatori e malati neuromuscolari. Relazione: "Presenza in carico del malato neuromuscolare, dal punto di vista del cardiologo". San Donato Milanese, 7 luglio 2012
47. Il percorso delle evidenze cliniche nella gestione del paziente con IMA. Corso di approfondimento sulla gestione farmacologica dell'infarto miocardico acuto. Milano, 3 dicembre 2011.
48. Aggiornamenti in patologia cardiovascolare - Focus in Aritmologia: Disfunzione ventricolare sinistra e rischio aritmico. Relazione: "Nuove tecniche ecocardiografiche per la valutazione della funzione ventricolare sinistra". San Donato Milanese, 15 settembre 2011.
49. Luci in Aritmologia e dintorni - 1st International Workshop on Lead Extraction. Discussant. Pisa, 15-17 giugno 2011
50. Congresso Regionale SIEC Toscana - Progressi in ecocardiografia 2011. Relazione: "Ecocardiografia e scintigrafia con leucociti marcati nella diagnosi di endocardite". Viareggio, 25-26 marzo 2011
51. Aggiornamenti in patologia cardiovascolare - Focus in Aritmologia. L'imaging cardiaco nella valutazione del rischio aritmico. San Donato Milanese, 26 maggio 2011.
52. Approccio algoritmico alla dispnea. Relazioni: "La dispnea: algoritmo diagnostico per le principali malattie cardiopolmonari"; "La dispnea da scompenso cardiaco: algoritmo diagnostico e terapeutico"; "La dispnea da cardiopatia ischemica: algoritmo diagnostico e terapeutico delle principali applicazioni cliniche". San Donato Milanese, 2 aprile 2011.
53. Stress ossidativo: ruolo nelle patologie cardiovascolari, Smile approach. Relazione: "Lo stress ossidativo nell'ipertensione arteriosa: implicazioni terapeutiche". Milano, 13 novembre 2010
54. Luci ed Ombre in Aritmologia. Discussant. Pisa, 28 giugno 2010
55. VI Corso interattivo di Aritmologia Interventistica. Relazione: "Imaging cardiovascolare integrato". Pisa, 13 luglio 2009
56. III Corso interattivo di Aritmologia Interventistica. Relazione: "Imaging cardiovascolare integrato". Pisa, 28 aprile 2006

COMUNICAZIONI ORALI A CONGRESSI

- Bandera F, Ghizzardi G, Milani V, Boveri S, Alfonzetti E, Guazzi M. Gender might be a key determinant of exercise tolerance in moderate-to-severe aortic stenosis. ACC Congress 2020, March 28-30, 2020
- Bandera F, D'Alesio G, Ghizzardi G, Losito M, Boveri S, Alfonzetti E, Guazzi M. Role of the circumferential right ventricle function in the right ventricle to pulmonary circulation coupling and functional capacity. ESC Congress 2019, August 31-September 4, Paris, France
- Bandera F, Losito M, Labate V, Caracciolo M, Rovida M, Vella A, Alfonzetti E, Guazzi M. Hemodynamic correlates of tricuspid annular pulmonary systolic excursion (TAPSE)/systolic pulmonary arterial pressure (SPAP) ratio in heart failure with reduced ejection fraction. ESC Congress 2019, August 31-September 4, Paris, France
- Bandera F, Generati G, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Impact of dynamic Mitral Regurgitation on functional capacity in Heart Failure patients. EuroEcho-Imaging 2014, December 3-6, Wien, Austria.
- Bandera F, Generati G, Pellegrino M, Donghi V, Alfonzetti E, Guazzi M. Myocardial

- Contractile Reserve: a Global Approach by Combining Cardiopulmonary Exercise Test with Exercise-Echocardiography. AHA Congress 2013, November 16-20, Dallas, Texas, USA
- Bandera F, Generati G, Di Sabato ME, Pellegrino M, Labate V, Alfonzetti E, Castelvich S, Giacomazzi F, Menicanti L, Guazzi M. Impaired Pulmonary Hemodynamic-Right Ventricular Coupling During Exercise in Patients With Heart Failure and Exercise Oscillatory Ventilation. ACC Congress 2013, March 9-11, San Francisco, California, USA
 - F Bandera, U Conti, P Erba et al., Dissincronia meccanica, perfusione miocardica ed innervazione adrenergica nei soggetti candidati a terapia di resincronizzazione cardiaca. Congresso Nazionale ANMCO - Maggio 2010, Firenze.
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POSTER PRESENTATI A CONGRESSI

- Barki M, Losito M, Caracciolo MM, Bandera F, Rovida M, Alfonzetti E, Guazzi M. Phenotyping right ventricular function and its coupling with the pulmonary circulation in heart failure. ACC Congress 2020, March 28-30, 2020
- Barki M, Losito M, Caracciolo MM, Rovida M, Bandera F, Alfonzetti E, Guazzi M. Stroke volume changes from admission to discharge in acute heart failure. ACC Congress 2020, March 28-30, 2020
- Bandera F, D'Alesio G, Ghizzardi G, Losito M, Boveri S, Alfonzetti E, Guazzi M. Right ventricle to pulmonary circulation coupling is primarily defined by the circumferential right ventricle function. ACC Congress 2020, March 28-30, 2020
- Guazzi M, Losito M, Giammarresi A, Labate V, Caracciolo MM, Bandera F, Rovida M, Vella A, Alfonzetti E. Time-course of changes in left atrial dynamics in patients hospitalized for acute decompensated heart failure. EuroEcho-Imaging 2019, 4-7 dicembre 2019, Austria
- Barletta M, Bandera F, Giammarresi A, Labate V, Losito M, Caracciolo MM, Rovida M, Guazzi M. Clinical relevance of 3D echocardiography parameters for the study of right ventricle function: ejection fraction and Ees/Ea ratio. EuroEcho-Imaging

- 2019, 4-7 dicembre 2019, Austria
- Sugimoto T, Bandera F, Losito M, Barletta M, Labate V, Giammarresi A, Evangelista M, Guazzi M. Left atrial dynamics during exercise in mitral regurgitation of primary and secondary origin: insights from exercise echocardiography combined with gas exchange analysis. EuroEcho-Imaging 2019, 4-7 dicembre 2019, Austria
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 - Giammarresi A, Losito M, Labate V, Caracciolo M, Bandera F, Rovida M, Vella A, Alfonzetti E, Guazzi M. Impaired right ventricular force-frequency relationship in patients with heart failure is associated with diastolic dysfunction and worse functional capacity. ESC Congress 2019, August 31-September 4, Paris, France
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 - Laforgia PL, Bandera F, Guazzi M. Impaired exercise chronotropic efficiency and left atrial enlargement as typical feature of exercise gas exchange impairment in subjects at cardiovascular risk: data from the Euro-Ex Trial. AHA Congress 2017, Novembre 11-15, 2018, Anaheim, California, USA
 - Laforgia PL, Bandera F, Guazzi M. The number of risk factors stratifies the quality of exercise performance in the Euro-Ex trial: A population based trial in apparently healthy individuals. AHA Congress 2017, Novembre 11-15, 2018, Anaheim, California, USA
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 - Evangelista M, Bandera F, Oggionni G, Palumbo MC, Barletta M, Alfonzetti E, Guazzi M. Different methods for measuring stroke volume during exercise: two-and three-dimensional echo vs O2 pulse measure obtained by gas exchange analysis. ESC Congress 2017, August 26-30, Barcelona, Spain
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 - Preserved and maximal O2 extraction during exercise in heart failure patients with chronotropic insufficiency: evidence for a central cardiac rather than peripheral role in limiting oxygen uptake. ESC Congress 2016, August 27-31, Rome, Italy
 - A low heart rate recovery after maximal cardiopulmonary exercise test predicts an impaired diastolic function in the general population at risk: insights from the EUROEX trial. ESC Congress 2016, August 27-31, Rome, Italy

- Left ventricular geometry and cardiopulmonary exercise performance in apparently healthy individuals at cardiovascular risk: an analysis of the EUROEX trial. ESC Congress 2016, August 27-31, Rome, Italy
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- Exercise Induced Pulmonary Hypertension in Scleroderma Left Heart Diastolic Dysfunction. ESC Heart Failure Congress. 21 -24 May, Florence, Italy.
- Echocardiographic phenotypes according to level of oxygen consumption at peak exercise: findings from the EURO(pean) EX(ercise) population-based study. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
- Increased peripheral extraction as a mechanism compensatory to reduced cardiac output in high risk heart failure patients with group 2 pulmonary hypertension and exercise oscillatory ventilation. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
- Prevalence and determinants of exercise oscillatory ventilation in the EUROEX trial population. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
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- Right to left ventricular interdependence at rest and during exercise assessed by the ratio between pulmonary systolic to diastolic time in heart failure reduced ejection fraction. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
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- Altered diffusion capacity in aortic stenosis: role of the right heart. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
- Determinants of functional capacity in heart failure patients with reduced ejection fraction. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
- Cardiac determinants of right ventricular pressure-flow response to exercise in heart failure: a non-invasive approach combining cardiopulmonary exercise testing and exercise-echocardiography. Euroecho-Imaging 2015, December 2-5, Sevilla, Spain.
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- Sugimoto T, Bandera F, Generati G, Alfonzetti E, Pellegrino M, Carbone F, Guazzi M. Left Atrial Dysfunction During Exercise in Heart Failure Reduced Ejection Fraction and Its Role in the Right Ventricular to Pulmonary Circulation Uncoupling and Ventilation Inefficiency. AHA Congress 2015, November 7-11, Orlando, Florida, USA.
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- Generati G, Bandera F, Pellegrino M, Labate V, Carbone F, Alfonzetti E, Guazzi M. Advanced Heart Failure With Reduced Ejection Fraction and Severe Mitral Insufficiency Compensate with a Higher Oxygen Peripheral Extraction to a Reduced Cardiac Output vs Oxygen Uptake Response to Maximal Exercise. AHA Congress 2015, November 7-11, Orlando, Florida, USA
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 - Labate V, Generati G, Pellegrino M, Bandera F, Guazzi M. Exercise Ventilatory Power in Heart Failure. Definition of Functional and Hemodynamic Patterns by Cardiopulmonary Exercise Testing and Stress Echocardiography. AHA Congress 2015, November 7-11, Orlando, Florida, USA.
 - Bandera F, Generati G, Pellegrino M, Labate V, Carbone F, Alfonzetti E, Guazzi M. Functional Evaluation in Aortic Stenosis: Determinant of Exercise Capacity. AHA Congress 2015, November 7-11, Orlando, Florida, USA
 - Donghi V, Carbone F, Labate V, Generati G, Pellegrino M, Bandera F, Alfonzetti E, Guazzi M. Right Ventricle Speckle Tracking Analysis During Maximal Exercise in Heart Failure Patients: Possible Indicator of Impaired Ventilatory Efficiency Rather Than Overall Exercise Performance? AHA Congress 2015, November 7-11, Orlando, Florida, USA.
 - Bandera F, Generati G, Pellegrino M, Carbone F, Labate V, Alfonzetti E, Guazzi M. Determinants of Functional Capacity in Aortic Stenosis Patients. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Pellegrino M, Generati G, Bandera F, Carbone F, Labate V, Alfonzetti E, Guazzi M. Diastolic Dysfunction and Impaired Cardiopulmonary Performance in Obesity: an Analysis of the EURO-EX Trial. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Bandera F, Generati G, Labate V, Donghi V, Pellegrino M, Carbone F, , Alfonzetti E, Guazzi M. Abnormal Gas Diffusion in Aortic Stenosis: the Link Between Left and Right Heart. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Pellegrino M, Generati G, Bandera F, Labate V, Carbone F, Alfonzetti E, Guazzi M. Prevalence and Determinants of Exercise Oscillatory Ventilation in a Population at Cardiovascular Risk Enrolled in the EURO(pean)-EX(ercise) Trial. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Generati G, Bandera F, Pellegrino M, Labate V, Carbone F, Alfonzetti E, Guazzi M. Physiopathological Pattern in Heart Failure With Reduced Ejection Fraction With Increased or Reduced Cardiac Output vs Oxygen Uptake Ratio During Maximal Exercise. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Generati G, Bandera F, Pellegrino M, Labate V, Carbone F, Alfonzetti E, Guazzi M. Advanced Heart Failure With Reduced Ejection Fraction and Severe Mitral Insufficiency is Associated With a Reduced Cardiac Output vs Oxygen Uptake Response to Maximal Exercise. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Generati G, Bandera F, Pellegrino M, Labate V, Carbone F, Alfonzetti E, Guazzi M. Right to left ventricular interdependence evaluated by the ratio between pulmonary systolic to diastolic time at rest and during exercise in heart failure reduced ejection fraction: clinical insights. ESC Congress 2015, August 29 – September 2, London, United Kingdom.
 - Bandera F, Generati G, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Cardiac Determinants of Functional Capacity: Cardiopulmonary Exercise Testing Combined with Exercise-Echocardiography. ACC Congress 2015, March 14-16, San Diego, CA. United States.
 - Pellegrino M, Generati G, Bandera F, Labate V, Alfonzetti E, Guazzi M. Exercise Gas Exchange Phenotypes In A Population at Risk and Reduced Heart Rate Recovery Post-Exercise: Findings From the Euro(pean) Ex(ercise) Population-based Study. SIC Congress 2014, December 13-15, Rome, Italy.

- Donghi V, Labate V, Bandera F, Generati G, Pellegrino M, Alfonzetti E, Guazzi M. Cardiopulmonary Exercise Testing-Derived Variables and Test Modalities Evaluation: a Head to Head Comparison Between Bike vs Supine-Tilt Ergometers. SIC Congress 2014, December 13-15, Rome, Italy.
- Generati G, Bandera F, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Circulatory power and exercise phenotypes: insights on disease severity in Heart Failure reduced ejection fraction. EuroEcho-Imaging 2014, December 3-6, Wien, Austria.
- Generati G, Bandera F, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Exercise Echo-derived Cardiac Power Output Identifies an Unfavorable Right Ventricular to Pulmonary Circulation Coupling in Heart Failure and Correlates With Cardiopulmonary Exercise Testing Variables. EuroEcho-Imaging 2014, December 3-6, Wien, Austria.
- Bandera F, Generati G, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Impact of Dynamic Mitral Regurgitation on Functional Capacity in Heart Failure Patients. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Generati G, Bandera F, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Severity of Functional Mitral Regurgitation During Maximal Exercise Testing in Heart Failure: Additional Value of Combining Echocardiography with Cardiopulmonary Exercise Testing. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Labate V, Bandera F, Generati G, Pellegrino M, Alfonzetti E, Guazzi M. Impaired Gas Diffusion and Right Ventricular to Pulmonary Circulation Uncoupling Limit Exercise Performance in Heart Failure Patients. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Pellegrino M, Generati G, Bandera F, Labate V, Alfonzetti E, Guazzi M. Exercise Gas Exchange Patterns in Diabetes: Evidence From the EURO(pean) EX(ercise) Population-Based Study. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Pellegrino M, Generati G, Bandera F, Labate V, Alfonzetti E, Guazzi M. Incidence of Exercise Oscillatory Ventilation in a General Population at Cardiovascular Risk: Insights From the EURO(pean) EX(ercise) Population-Based Study. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Generati G, Bandera F, Pellegrino M, Alfonzetti E, Labate V, Guazzi M. Ventilatory Inefficiency, Mitral Regurgitation and Pulmonary Hypertension During Exercise: the Culprit Interaction in Heart Failure Reduced Ejection Fraction. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Bandera F, Generati G, Pellegrino M, Alfonzetti E, Labate V, Guazzi M. Exercise echocardiographic Adaptations of Right Ventricular Performance and Pulmonary Pressures in Combination with Gas Exchange Analysis in Heart Failure. AHA Congress 2014, November 15-19, Chicago, Illinois, USA.
- Generati G, Bandera F, Pellegrino M, Donghi V, Alfonzetti E, Garatti A, Guazzi M. The Severity of Functional Mitral Regurgitation Unlocks Peculiar Cardiopulmonary and Echocardiographic Phenotypes in Heart Failure. ESC Congress 2014, August 30 - September 3, 2014; Barcelona, Spain.
- Generati G, Bandera F, Pellegrino M, Labate V, Alfonzetti E, Guazzi M. Echocardiographic and Cardiopulmonary Phenotypes Related to the Severity of Functional Mitral Regurgitation During Maximal Exercise Testing In Heart Failure. ESC Congress 2014, August 30 - September 3, 2014; Barcelona, Spain.
- Donghi V, Labate V, Bandera F, Pellegrino M, Generati G, Alfonzetti E, Guazzi M. Impaired Gas Diffusion Correlates with Right Heart-Pulmonary Circulation Uncoupling and Ventilation Inefficiency During Exercise in Heart Failure. ESC Congress 2014, August 30 - September 3, 2014; Barcelona, Spain.
- Pellegrino M, Generati G, Donghi V, Bandera F, Alfonzetti E, Labate V, Guazzi M. Exercise oscillatory ventilation occurrence in a population at risk without cardiac dysfunction: insights from the EURO(pean) EX(ercise) population-based study. ESC Congress 2014, August 30 - September 3, 2014; Barcelona, Spain.
- Labate V, Donghi V, Bandera F, Pellegrino M, Generati G, Alfonzetti E, Guazzi M. Exercise Ventilatory Power in Heart Failure Patients: Functional Phenotypes Definition by Combining Cardiopulmonary Exercise Testing with Stress Echocardiography. ESC Congress 2014, August 30 - September 3, 2014; Barcelona, Spain.
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- Bandera F, Generati G, Pellegrino M, Donghi V, Alfonzetti E, Guazzi M. Assessing Exercise Performance by Combining Cardiopulmonary Test to Stress Echo in Aortic Stenosis. ACC Congress 2014, March 29 - 31, Washington, DC, USA.
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 - Guazzi M, Pellegrino M, Generati G, Donghi V, Alfonzetti E, Bandera F. Exercise Gas Exchange Phenotypes in Diabetic Subjects: Findings From the EURO(pean) EX(ercise) Population-Based Study. ACC Congress 2014, March 29 - 31, Washington, DC, USA.
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 - F Bandera, U Conti, P Erba et al. Dissincronia meccanica, perfusione miocardica ed innervazione adrenergica nei soggetti candidati a terapia di resincronizzazione cardiaca. Congresso Nazionale ANMCO - Maggio 2010, Firenze.
 - F Bandera, P Erba, U Conti et al., Terapia di resincronizzazione cardiaca: ricerca di una caratterizzazione funzionale ottimale utile alla selezione dei pazienti. Congresso Nazionale AIAC - Aprile 2010, Catania.
 - PA Erba, K Massri, F. Bandera et al., Assessment of doxorubicin-induced myocardial toxicity: experimental evaluation in animal model. Nuclear Cardiology and cardiac CT 10-13 May 2009: Barcellona, Spain
 - G. Solarino, G. Zucchelli, F. Bandera et al. Ruolo dell'elettrocardiogramma nel predire la risposta del test all-ajmalina nei soggetti con sospetta sindrome di Brugada. 69° Congresso SIC - Roma 2009
 - MG Bongiorno, L. Segreti, F. Bandera et al. Rimozione transvenosa di elettrocateri da stimolazione e defibrillazione cardiaca: risultati e complicanze in oltre 10 anni di esperienza. 69° Congresso SIC - Roma 2009
 - G Solarino, MG Bongiorno, F. Bandera, et al. Reimpianto transvenoso di cateteri da stimolazione ventricolare sinistra dopo rimozione di dispositivi da resincronizzazione cardiaca. 69° Congresso SIC - Roma 2009

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- PA Erba, F Bandera, L Locantore et al. Correlation of markers of metabolic control and inflammation to myocardial perfusion in unselected diabetic patients. *Nuclear cardiology and integrated cardiovascular imaging today - Cesena* 2008
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- E Soldati, L Segreti, G Zucchelli, G Solarino, A Di Cori, R De Lucia, F Bandera et al.: Elettrocateri da defibrillazione malfunzionanti: risultati e complicanze della rimozione transvenosa in un singolo centro. *Congresso Nazionale AIAC - 2009*.
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CORSI DI AGGIORNAMENTO ED APPROFONDIMENTO

- Speaker Academy on Anticoagulation
- Scientific Exchange Meeting Thrombosis. Milano, 9-10 giugno 2017.
- Il European Congress on Imaging infection and inflammation. Roma, 12-13 dicembre 2016.
- EuroEcho 2016. Lipsia, 7-10 dicembre 2016.
- European Society of Cardiology Congress 2016, August 27 – 31, Rome, Italy
- EuroCMR 2016, May 12 – 14, Florence, Italy
- EuroEcho Imaging 2015, 2-5 December, Sevilla, Spain
- American Heart Association Congress 2015, November 7-11, Orlando, Florida, USA
- The 26th Great Wall International Congress of Cardiology - Asia Pacific Heart Congress 2015/ International Congress of Cardiovascular Prevention and Rehabilitation 2015, 29/10-01/11/2015, Beijing, China
- Magnetic Resonance in Cardiology, 4th edition, 1/10 - 3/10/2015, Riva del Garda
- European Society of Cardiology Congress 2015, August 29 – September 2, London, United Kingdom
- EuroCMR 2015, February 4-7, Nice, France
- American College of Cardiology Congress 2015, March 14-16, San Diego, CA. United States
- Società Italiana di Cardiologia Congresso 2014, December 13-15, Rome, Italy
- EuroEcho-Imaging 2014, December 3-6, Wien, Austria
- American Heart Association Congress 2014, November 15-19, Chicago, Illinois, USA
- European Society of Cardiology Congress 2014, August 30 - September 3, 2014;

- Barcelona, Spain
- American College of Cardiology Congress 2014, March 29 - 31, Washington, DC, USA
- Società Italiana di Cardiologia Congress 2013, December 14-16, Rome, Italy
- American Heart Association Congress 2013, November 16-20, Dallas, Texas, USA
- European Society of Cardiology Congress 2013, August 31- September 04, Amsterdam, Netherland
- American College of Cardiology Congress 2013, March 9-11, San Francisco, California, USA
- American Society of Hypertension Congress 2012, May 19 - 22, New York, USA
- European Heart Failure Congress, 21-24/05/2011, Gothenburg, Sweden
- Advanced in echocardiography - Corso avanzato teorico-pratico Eco 3D - Riserva coronarica e Dual-D Strain - Siena 2009
- International Summit on Ischemic heart Disease - Pisa 2009
- International Council of Nuclear Cardiology 9 - Barcelona 2009
- Imaging avanzato in Cardiopatia Ischemica - Padova 2009
- Corso residenziale di MRI Cardiovascolare - Pisa 2008
- Luci in Aritmologia e dintorni - Pisa 2009
- 69° Congresso Nazionale SIC - Roma 2008
- Workshop: l'estrazione degli elettrocatereteri per stimolazione e defibrillazione - Pisa 2008
- Luci e Ombre in Aritmologia - Pisa 2008
- L'assistenza ventricolare con contropulsazione aortica - Firenze 2008
- Nuclear Cardiology and Integrated Cardiovascular Imaging Today - Cesena 2008
- Dall'imaging all'efficacia clinica. Incrementare l'accuratezza diagnostica, ottimizzare il rapporto costo/beneficio - Pisa 2008
- Luci in Aritmologia - Pisa 2007
- Approccio multidisciplinare nell'identificazione e nel trattamento del rischio cardiovascolare - Cortina d'Ampezzo 2007
- Florence Heart - Firenze 2006
- From endothelium to balloon through cardiovascular imaging - Modena 2005
- Up-to-date sulle applicazioni cliniche delle nuove tecnologie ultrasoniche cardiovascolari - Viareggio 2005
- Euroecho 9 - Firenze 2005
- Luci in Aritmologia - Pisa 2005
- VI International meeting antiplatelet drugs in the management of acute coronary syndromes; Barcelona 2004

Il sottoscritto è a conoscenza che, ai sensi dell'art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Inoltre, il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dalla Legge 196/03.

Data

18.04.2020

Luogo

San Donato Milanese