

CURRICULUM VITAE ET STUDIORUM

Name: Giulia Barbati
Place and date of birth: Rome, 28 February 1976
Nationality: Italian
Marital status: Married
Languages: Italian (mother tongue), English, French
Present Position: Post-doctoral position at the University of Trieste,
Department of Medicine
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Research Interests

I am a biostatistician and at present I work in estimation of cardiovascular risk prediction models and the assessment of their performance. I am involved in various projects related to better understanding of risk factors for cardiovascular disease and its sub-components. In particular, my contribution is in the design, conduct and analysis of observational studies in the fields of cardiovascular disease outcomes and epidemiology of cardiovascular diseases, interacting with investigators from various academic, hospital and industry institutions. My research interests are focused on survival analysis methods, regression techniques for longitudinal data (including marginal models and random effects models) and joint models for longitudinal and time-to-event data.

During my PhD studies, I was involved in experimental research in the neuroscience field and my contribution focused on exploiting the statistical structure of the cerebral sources with the aim of optimizing their estimation from time series of non-invasively electrophysiological recordings.

I am confident with several statistical packages, in particular: R and IBM-SPSS; in addition I also have a basic knowledge of SAS Enterprise Guide.

Education and Degrees

September 1989 - June 1994: High school at the *Louis Pasteur Institute*, Rome (Italy). Diploma in scientific studies in July 1994, with full marks 60/60.

October 1994 - October 1999: Undergraduate studies in Statistics at the University *La Sapienza*, Rome (Italy).

October 1999: Degree in Statistics 110/110, University *La Sapienza*, Rome (Italy).

Title of the thesis: *Robust methods for the identification of outliers, estimate and comparison of mean length of stay in DRG (Diagnosis Related Groups)*, Supervisor: Prof. A. Rizzi.

September 2003 - December 2006: PhD studies in *Functional Neuroimaging: from cell to systems*, at the University of Chieti (Italy), Institute for Advanced Biomedical Technologies (ITAB).

February 2007: *Doctor Philosophiae* at the University of Chieti.

Title of the Thesis: *Sources separation algorithms from magnetoencephalographic signals*, Supervisor:

Prof. V. Pizzella and Dr. F. Tecchio.

Employments

March 2000 - February 2002: Post Lauream research contract at the Institute for Social and Preventive Medicine (IUMSP) in Lausanne (Switzerland).

March 2002 - December 2006: Research contract at the *Fatebenefratelli* Hospital, Rome (Italy). Also statistical consultant for different hospital departments (in particular anesthesiology and gynecology).

January 2007 - April 2009: Post-doctoral position at the Department of Public Health of University of Turin (Italy).

May 2009 - August 2011: Post-doctoral position at the Department of Environmental Medicine and Public Health of University of Padova (Italy).

Since September 2011: Post-doctoral position at the Department of Medicine of University of Trieste (Italy).

Continuing education course

May 2002: *Analysis of Correlated data in Epidemiological Research* by Prof. D.G. Kleinbaum, University of Lausanne (Switzerland).

March 2011: *Longitudinal Data Analysis with Time-Dependent covariates for Inference and Prediction* by Prof. P.J. Heagerty, University of Milano Bicocca (Italy).

March 2014: *Survival and event history analysis* by Profs. O.O. Aalen, Ø. Borgan and H.K. Gjessing, University of Milano Bicocca (Italy).

Research appointments

August 1999: Pre Lauream position at the *Institute for Social and Preventive Medicine* (IUMSP) in Lausanne (Switzerland).

May - June 2006: Invited scientist at the *Wellcome Trust Laboratory for MEG Studies*, Aston University, Birmingham (United Kingdom).

Academic Appointments

January 2013: Habilitation for associate professor in Medical Statistics (06/M1) at the Italian national level.

Other Professional Services

March - August 2001: Collaboration with the *Institut de Police Scientifique et Criminologie (IPSC)* at the Lausanne University (Switzerland) for a project aimed to develop statistical methods to evaluate the link between two or more heroine seizures.

April 2009 - December 2010: Collaboration with the Department of Occupational Medicine, University of Trieste (Italy) to elaborate data of the Mesothelioma Registry of the Friuli-Venezia-Giulia region.

September 2011 - March 2013: Collaboration with the Department of Medicine and Biology at the University of Udine (Italy) for the research project *EPIAIR-2*, to elaborate data on the effects of air pollution on human health.

Teaching experience

2005-06 and 2006-07: Lecturer for a Bachelor course on Medical Statistics for the Nursing School at the University of Rome Tor Vergata, Department of Medicine and Surgery (30 hours each year).

2008-09 and 2009-10: Lecturer for a Master course on Medical Statistics for the Nursing School at the Universities of Trieste and Udine, Department of Medicine (35 hours each year).

2010-11 and 2011-12: Lecturer for a Master course on Statistics for the School on Occupational Safety and Health at the Universities of Trieste and Udine, Department of Medicine (25 hours each year).

From 2008-09 to 2012-2013: Lecturer for a Bachelor course on Medical Statistics for the Nursing School at the University of Trieste, Department of Medicine (30 hours each year).

Since 2009-10: Lecturer for a Bachelor course on Medical Statistics for the School on Occupational safety and health at the Universities of Trieste and Udine, Department of Medicine (20 hours each year).

Supervised Master students

Co-tutor for the statistical part of the following Master thesis:

Academic year 2006-2007: Gherardo Finocchiaro.

Title of the Thesis: *Analysis of the Myocarditis Registry of Trieste: clinical presentation and long-term evolution.*

Academic year 2007-2008: Davide Stolfo.

Title of the Thesis: *Evolution of left ventricular sphericity index in idiopathic dilated cardiomyopathy: clinical and prognostic implications.*

Academic year 2007-2008: Andreea Dragos.

Title of the Thesis: *Arrhythmogenic right ventricular cardiomyopathy: clinical and instrumental characteristics and prognostic implications.*

Academic year 2009-2010: Marco Anzini.

Title of the Thesis: *Long-Term Evolution and Prognostic Stratification of Biopsy-Proven Active Myocarditis.*

Academic year 2012-2013: Anita Spezzacatene.

Title of the Thesis: *Clinical, instrumental and prognostic characterization of arrhythmogenic dilated cardiomyopathy. The experience of the International Cardiomyopathy Registry.*

Academic year 2014-2015: Francesca Antonini-Canterin.

Title of the Thesis: *Clinical and instrumental characterization of the mildly dilated cardiomyopathy and long-term prognostic evaluation.*

Academic year 2014-2015: Marco Gobbo.

Title of the Thesis: *Characterization and prognostic role of the right ventricular dysfunction in the dilated cardiomyopathy. Long-term analysis.*

Supervised students for post-graduate final examination in Cardiology

Co-tutor for the statistical part of the following post-graduate thesis:

Academic year 2010-2011. Dr. Gherardo Finocchiaro.

Title of the Thesis: *Prognostic role of clinical presentation in symptomatic patients with hypertrophic cardiomyopathy.*

Academic year 2013-2014. Dr. Davide Stolfo.

Title of the Thesis: *Biomarkers and prognosis in acute heart failure: a new predictive model for the post-discharge outcome.*

Academic year 2013-2014. Dr. Andreea Dragos

Title of the Thesis: *Long term evolution of arrhythmogenic right ventricular cardiomyopathy: characterization and prognostic implications.*

Publications

Since 2003, I have published about 67 papers in international referred journals among which 1 Brain, 1 Neurology, 3 Human Brain Mapping, 1 Circulation, 1 Journal of the American College of Cardiology.

Citations indexed on ISI WEB OF SCIENCE: 740, H-index: 16.

Source: <http://www.researcherid.com/rid/N-8418-2014>

- 1) L. Dujourdy, **G. Barbati**, F. Taroni, O. Guéniat, P. Esseiva, F. Anglada, P. Margot, “Evaluation of links in heroin seizures”, *Forensic Science International* **131**, 171-183 (2003).
- 2) G. Larciprete, H. Valensise, B. Vasapollo, G.P. Novelli, E. Parretti, F. Altomare, G. Di Pierro, S. Menghini, **G. Barbati**, G. Mello, D. Arduini, “Fetal subcutaneous tissue thickness (SCTT) in healthy and gestational diabetic pregnancies”, *Ultrasound Obstet. Gynecol.* **22**, 591-597 (2003).
- 3) **G. Barbati**, C. Porcaro, F. Zappasodi, P. M. Rossini, F. Tecchio, “Optimization of an Independent Component Analysis approach for artifact identification and removal in magnetoencephalographic signals”, *Clinical Neurophysiology* **115**, 1220-1232 (2004).
- 4) R. Parpaglion, MG. Frigo, M. Sebastiani, D. Celleno, A. Lemma, **G. Barbati**, “High volume of subarachnoid levobupivacaine decreases drug requirement in first stage labor analgesia”, *Minerva Anesthesiol.* **70**, 809-821 (2004).
- 5) C. Salustri, **G. Barbati**, C. Porcaro, “Fetal Magnetocardiographic signals extracted by signal subspace blind source separation”, *IEEE Transactions on Biomedical Engineering* **52**, 1140-1142 (2005).
- 6) D. Celleno, R. Parpaglion, MG. Frigo, **G. Barbati**, “Intrathecal levobupivacaine and ropivacaine for cesarean section. New perspectives”, *Minerva Anesthesiol.* **71**, 521-525 (2005).
- 7) R. Parpaglion, MG. Frigo, A. Lemma, M. Sebastiani, **G. Barbati**, D. Celleno, “Minimum Local Analgesic Dose: effect of different volumes of intrathecal levobupivacaine in early labor”, *Anesthesiology* **103**, 1233-1237 (2005).
- 8) C. Saudan, M. Kamber, **G. Barbati**, N. Robinson, A. Desmarchelier, P. Mangin, M. Saugy, “Longitudinal profiling of urinary steroids by gas chromatography/combustion/isotope ratio mass spectrometry: Diet change may result in carbon isotopic variations”, *J Chromatogr B Analyt Technol Biomed Life Sci.* **831**, 324-327 (2006).
- 9) R. Parpaglion, MG. Frigo, A. Lemma, M. Sebastiani, A. Bertoni, **G. Barbati**, D. Celleno, “Minimum Local Anaesthetic Dose (MLAD) of intrathecal levobupivacaine and ropivacaine for caesarean section”, *Anaesthesia* **61**, 110-115 (2006).

- 10) **G. Barbati**, R. Sigismondi, F. Zappasodi, C. Porcaro, S. Graziadio, G. Valente, M. Balsi, P.M. Rossini, F. Tecchio,
“Functional Source Separation from Magnetoencephalographic Signals”,
Hum Brain Mapp. **27**, 925-934 (2006).
- 11) C. Porcaro, F. Zappasodi, **G. Barbati**, C. Salustri, V. Pizzella, P.M. Rossini, F. Tecchio,
“Fetal auditory responses to external sounds and mother's heartbeat: detection improved by Independent Component Analysis”,
Brain Res. **1101**, 51-58 (2006).
- 12) R. Squitti, **G. Barbati**, L. Rossi, M.C. Ventriglia, G. Dal Forno, S. Cesaretti, F. Moffa, I. Caridi, E. Cassetta, P. Pasqualetti, L. Calabrese, D. Lupoi, P.M. Rossini,
“Excess of non ceruloplasmin serum copper in AD correlates with MMSE, CSF, β amyloid and h-tau”,
Neurology. **67**, 76-82 (2006).
- 13) M.T. Palermo, P. Pasqualetti, **G. Barbati**, F. Intelligente, P.M. Rossini,
“Recognition of schematic facial displays of emotion in parents of children with autism”,
Autism. **10**, 353-364 (2006).
- 14) F. Tecchio, S. Graziadio, **G. Barbati**, R. Sigismondi, F. Zappasodi, C. Porcaro, G. Valente, M. Balsi, P.M. Rossini,
“Somatosensory dynamic gamma-band synchrony: a neural code of sensorimotor dexterity”,
Neuroimage **35**, 185-193 (2007).
- 15) R. Squitti, M. Ventriglia, **G. Barbati**, E. Cassetta, F. Ferreri, G. Dal Forno, S. Ramires, F. Zappasodi, P.M. Rossini,
“Free copper in serum of Alzheimer's disease patients correlates with markers of liver function”,
J Neural Transm. **114**, 1589-1594 (2007).
- 16) F. Tecchio, C. Porcaro, **G. Barbati**, F. Zappasodi,
“Functional source separation and hand cortical representation for a brain-computer interface feature extraction”,
Topical Review, J Physiol. **580**, 703-721 (2007).
- 17) C. Barba, **G. Barbati**, L. Minotti, D. Hoffmann, P. Kahane,
“Ictal clinical and scalp-EEG findings differentiating temporal lobe epilepsies from temporal 'plus' epilepsies”,
Brain. **130**, 1957-1967 (2007).
- 18) G. Larciprete, S. Gioia, P.A. Angelucci, F. Brosio, **G. Barbati**, G.P. Angelucci, M.G. Frigo, F. Baiocco, M.E. Romanici, D. Arduini, E. Cirese,
“Single inherited thrombophilias and adverse pregnancy outcomes”,
J. Obstet. Gynaecol. Res. **33**, 422-429 (2007).
- 19) G. Larciprete, H. Valensise, **G. Barbati**, G. Di Pierro, S. Jarvis, T. Deaibess, G. Stefano, F. Giacomello, E. Cirese, D. Arduini,
“Ultrasound-determined fetal subcutaneous tissue thickness for a birthweight prediction model”,

J. Obstet. Gynaecol. Res. **33**, 635–640 (2007).

20) C. Porcaro, **G. Barbati**, F. Zappasodi, P.M. Rossini, F. Tecchio,
“Hand sensory-motor cortical network assessed by Functional Source Separation”,
Hum Brain Mapp. **29**, 70-81 (2008).

21) **G. Barbati**, C. Porcaro, A. Hadjipapas, P. Adjamian, V. Pizzella, G.L. Romani, S. Seri, F. Tecchio, G.R. Barnes,
“Functional Source Separation applied to induced visual gamma activity”,
Hum Brain Mapp. **29**, 131-141 (2008).

22) G. Larciprete, G. Di Pierro, **G. Barbati**, T. Deaibess, S. Jarvis, H. Valensise, M.E. Romanini, S. Gioia, D. Arduini,
“Could birthweight prediction models be improved by adding fetal subcutaneous tissue thickness?”,
J Obstet Gynaecol Res. **34**, 18-26 (2008).

23) F. Tecchio, F. Zappasodi, C. Porcaro, **G. Barbati**, G. Assenza, C. Salustri, P.M. Rossini,
“High-gamma band activity of primary hand cortical areas: a sensorimotor feedback efficiency index”,
Neuroimage. **40**, 256-264 (2008).

24) G. Larciprete, G. Di Pierro, P.A. Angelucci, G.P. Angelucci, T. Deaibess, M.E. Romanini, **G. Barbati**, E. Cirese,
“Inherited thrombophilias in pregnancy: a case-control study”,
It. J. Gynaecol. Obstet. **20**, 91-99 (2008).

25) M.C. D’Ovidio, G. Venturi, C. Fiorentini, **G. Barbati**, S. Di Renzi, N. Vonesch, M.G. Ciufolini, P. Tomao,
“Occupational risk associated with Toscana virus infection among agricultural and forestry workers in Tuscany, Italy”,
Occup Med (Lond) **58**, 540-544 (2008).

26) D. Gregori, M. Petrinco, **G. Barbati**, S. Bo, A. Desideri, R. Zanetti, E. Pagano,
“Extreme Regression Models for Characterizing High Cost Patients”,
J Eval Clin Pract. **15**, 164-171 (2009).

27) A. Aleksova, G. Sabbadini, M. Merlo, B. Pinamonti, **G. Barbati**, M. Zecchin, R. Bussani, F. Silvestri, AM. Iorio, D. Stolfo, M. Dal Ferro, AM. Dragos, G. Meringolo, S. Pyxaras, F. Lo Giudice, A. Perkan, A. di Lenarda, G. Sinagra,
“Natural history of dilated cardiomyopathy: from asymptomatic left ventricular dysfunction to heart failure. A subgroup analysis from the Trieste cardiomyopathies Registry”,
J Cardiovasc Med (Hagerstown) **10**, 699-705 (2009).

28) **G. Barbati**, M. Merlo, P. Marocco, D. Gregori, G. Sabbadini, L. Lattuada, U. Ginanneschi, G. Sinagra, A. Di Lenarda,
“Relative survival in dilated cardiomyopathy: a stratification study of long-term outcome to evaluate life insurance cover”,
J Insur Med. **41**, 117-126 (2009).

- 29) G. Larciprete, E. Valli, P. Meloni, I. Malandrenis, M.E. Romanini, S. Jarvis, F. Rossi, **G. Barbati**, E. Cirese,
“Ultrasound detection of the "sliding viscera" sign promotes safer laparoscopy”,
J Minim Invasive Gynecol. **16**, 445-449 (2009).
- 30) R. Parpaglioni, B. Baldassini, **G. Barbati**, D. Celleno,
“Adding sufentanil to levobupivacaine or ropivacaine intrathecal anaesthesia affects the minimum local anaesthetic dose required”,
Acta Anaesthesiol Scand. **53**, 1214-1220 (2009).
- 31) C. Salustri, **G. Barbati**, R. Ghidoni, L. Quintiliani, S. Ciappina, G. Binetti, R. Squitti,
“Is cognitive function linked to serum free copper levels? A cohort study in a normal population”,
Clin Neurophysiol. **121**, 502-507 (2010).
- 32) G. Colicchio, D. Policicchio, **G. Barbati**, E. Cesaroni, F. Fuggetta, M. Meglio, F. Papacci, F. Rychlicki, M. Scerrati, N. Zamponi,
“Vagal nerve stimulation for drug-resistant epilepsies in different age, aetiology and duration”,
Childs Nerv Syst. **26**, 811-819 (2010).
- 33) B. Pinamonti, M. Merlo, R. Nangah, R. Korcova, A. Di Lenarda, **G. Barbati**, G. Sinagra,
“The progression of left ventricular systolic and diastolic dysfunctions in hypertrophic cardiomyopathy: clinical and prognostic significance”,
J Cardiovasc Med (Hagerstown) **11**, 669-677 (2010).
- 34) F. Tecchio, F. Zappasodi, G. Assenza, M. Tombini, S. Vollaro, **G. Barbati**, P.M. Rossini,
“Anodal transcranial direct current stimulation enhances procedural consolidation”,
J Neurophysiol. **104**, 1134-1140 (2010).
- 35) M. Moretti, M. Merlo, **G. Barbati**, A. Di Lenarda, F. Brun, B. Pinamonti, D. Gregori, L. Mestroni, G. Sinagra,
“Prognostic impact of familial screening in dilated cardiomyopathy”,
Eur J Heart Fail. **12**, 922-927 (2010).
- 36) G. Larciprete, F. Rossi, T. Deaibess, L. Brienza, **G. Barbati**, E. Romanini, S. Gioia, E. Cirese,
“Double inherited thrombophilias and adverse pregnancy outcomes: Fashion or science?”,
J Obstet Gynaecol Res. **36**, 996-1002 (2010).
- 37) A. Aleksova, M. Merlo, M. Zecchin, G. Sabbadini, **G. Barbati**, G. Vitrella, A. Di Lenarda, G. Sinagra,
“Impact of Atrial Fibrillation on Outcome of Patients with Idiopathic Dilated Cardiomyopathy: Data from the Heart Muscle Disease Registry of Trieste”,
Clin Med Res. **8**, 142-149 (2010).
- 38) P. Berchiulla, F. Foltran, A. Di Lenarda, **G. Barbati**, L. Franchin, L. Salvatore, D. Gregori,
“Hospitalization rate as a proxy for the quality of life evaluation: the case of dilated cardiomyopathy”,
J Prev Med Hyg. **51**, 152-156 (2010).
- 39) A. Aleksova, **G. Barbati**, M. Merlo, D. Stolfo, G. Sabbadini, A. Di Lenarda, G. Sinagra,

“Deleterious impact of mild anemia on survival of young adult patients (age 45 +/- 14 years) with idiopathic dilated cardiomyopathy: Data from the Trieste Cardiomyopathies Registry”,
Heart Lung. **40**, 454-461 (2011).

40) E. Stenner, A. Buiatti, A. Bussani, M. Merlo, C. d'Amario, **G. Barbati**, G. Sinagra, B. Biasioli,
“Interchangeability of B type natriuretic peptide measurements in lithium heparin and K2EDTA:
Agreement between matrices and differences in diagnostic accuracy”,
Clin Chim Acta. **412**, 215-216 (2011).

41) B. Pinamonti, A.M. Dragos, S.A. Pyxaras, M. Merlo, A. Pivetta, **G. Barbati**, A. Di Lenarda, T.
Morgera, L. Mestroni, G. Sinagra,
“Prognostic predictors in arrhythmogenic right ventricular cardiomyopathy: results from a 10-year
registry”,
Eur Heart J. **32**, 1105-1113 (2011).

42) M. Merlo, S.A. Pyxaras, B. Pinamonti, **G. Barbati**, A. Di Lenarda, G. Sinagra,
“Prevalence and prognostic significance of left ventricular reverse remodeling in dilated
cardiomyopathy receiving tailored medical treatment”,
J Am Coll Cardiol. **57**, 1468-1476 (2011).

43) S.A. Pyxaras, M. Merlo, **G. Barbati**, M. Delise, A. Perkan, A. Di Lenarda, G. Sinagra,
“Prognostic role of hemodynamic evaluation at rest and at maximum workload in patients with
idiopathic dilated cardiomyopathy”,
Int J Cardiol. **150**, 97-99 (2011).

44) L.Vitali Serdoz, E. Daleffe, M. Merlo, M. Zecchin, **G. Barbati**, D. Pecora, B. Pinamonti, C.
Fantoni, P. Lupo, A. Di Lenarda, G. Sinagra, R. Cappato,
“Predictors for Restoration of Normal Left Ventricular Function in Response to Cardiac
Resynchronization Therapy Measured at Time of Implantation”,
Am J Cardiol. **108**, 75-80 (2011).

45) S.A. Pyxaras, B. Pinamonti, **G. Barbati**, S. Santangelo, M. Valentincic, F. Cettolo, G. Secoli, S.
Magnani, M. Merlo, F. Lo Giudice, A. Perkan, G. Sinagra,
“Echocardiographic evaluation of systolic and mean pulmonary artery pressure in the follow-up of
patients with pulmonary hypertension”,
Eur J Echocardiogr. **12**, 696-701 (2011).

46) M. Zecchin, M. Merlo, A. Pivetta, **G. Barbati**, C. Lutman, D. Gregori, L. Vitali Serdoz, S. Bardari,
S. Magnani, A. Di Lenarda, A. Proclemer, G. Sinagra,
“How Can Optimization of Medical Treatment Avoid Unnecessary Implantable Cardioverter-
Defibrillator Implantations in Patients With Idiopathic Dilated Cardiomyopathy Presenting With
"SCD-HeFT Criteria?"”,
Am J Cardiol. **109**, 729-735 (2012).

47) C. Barba, **G. Barbati**, D. Di Giuda, F. Fuggetta, F. Papacci, M. Meglio, G. Colicchio,
“Diagnostic yield and predictive value of provoked ictal SPECT in drug-resistant epilepsies”,
J Neurol. **259**, 1613-1622 (2012).

- 48) F. De Seta, S. Restaino, D. De Santo, G. Stabile, R. Banco, M. Busetti, **G. Barbati**, S. Guaschino, "Effects of hormonal contraception on vaginal flora", *Contraception*. **86**, 526-529 (2012).
- 49) E. Stenner, A. Buiatti, **G. Barbati**, M. Merlo, G. Sinagra, B. Biasioli, "Comparative evaluation of B-type natriuretic peptide and mid-regional pro-A-type natriuretic peptide changes from admission to discharge in prognosis of acute decompensated heart failure patients", *Clin Lab*. **58**, 585-589 (2012).
- 50) G. Finocchiaro, B. Pinamonti, M. Merlo, F. Brun, **G. Barbati**, G. Sinagra, "Prognostic role of clinical presentation in symptomatic patients with hypertrophic cardiomyopathy", *J Cardiovasc Med (Hagerstown)* **13**, 810-818 (2012).
- 51) D. Del Sindaco, G. Pulignano, A. Di Lenarda, L. Tarantini, G. Cioffi, S. Tolone, M.D. Tinti, L. Monzo, **G. Barbati**, G. Minardi, "Role of a multidisciplinary program in improving outcomes in cognitively impaired heart failure older patients", *Monaldi Arch Chest Dis*. **78**, 20-28 (2012).
- 52) G. Finocchiaro, B. Pinamonti, M. Merlo, F. Giannini, **G. Barbati**, A. Pivetta, E. Santarossa, S. Doimo, A. Depellegrin, R. Bussani, G. Sinagra, "Focus on cardiac amyloidosis: a single-center experience with a long-term follow-up", *J Cardiovasc Med (Hagerstown)* **14**, 281-288 (2013).
- 53) A. Perkan, G. Vitrella, **G. Barbati**, A. De Monte, B. D'Agata, M. Merlo, F. Giannini, E.D. Grazia, S. Rakar, A. Salvi, D. Igidbashian, T. Morgera, W. Zalukar, G. Sinagra, "Impact of abciximab on prognosis in diabetic patients undergoing primary percutaneous coronary intervention", *J Cardiovasc Med (Hagerstown)* **14**, 127-135 (2013).
- 54) P. Sciauzero, G. Galli, **G. Barbati**, M. Carraro, G.O. Panzetta, "Role of components of frailty on quantity of life in dialysis patients: a cross-sectional study", *J Ren Care*. **39**, 96-102 (2013).
- 55) M. Anzini, M. Merlo, G. Sabbadini, **G. Barbati**, G. Finocchiaro, B. Pinamonti, A. Salvi, A. Perkan, A. Di Lenarda, R. Bussani, J. Bartunek, G. Sinagra, "Long-Term Evolution and Prognostic Stratification of Biopsy-Proven Active Myocarditis", *Circulation* **128**, 2384-2394 (2013).
- 56) M. Merlo, G. Sinagra, E. Carniel, D. Slavov, X. Zhu, **G. Barbati**, A. Spezzacatene, F. Ramani, E. Salcedo, A. Di Lenarda, L. Mestroni, M.R. Taylor, "Poor Prognosis of Rare Sarcomeric Gene Variants in Patients with Dilated Cardiomyopathy", *Clin Transl Sci*. **6**, 424-428 (2013).
- 57) G. Finocchiaro, M. Merlo, B. Pinamonti, **G. Barbati**, E. Santarossa, S. Doimo, R. Bussani, G. Sinagra, "Long term survival in patients with cardiac amyloidosis. Prevalence and characterisation during follow-up",

Heart Lung Circ. **22**, 647-654 (2013).

58) S.A. Pyxaras, S. Tu, E. Barbato, **G. Barbati**, L. Di Serafino, F. De Vroey, G. Toth, F. Mangiacapra, G. Sinagra, B. De Bruyne, J.H. Reiber, W. Wijns, “Quantitative angiography and optical coherence tomography for the functional assessment of nonobstructive coronary stenoses: comparison with fractional flow reserve”, *Am Heart J.* **166**, 1010-1018 (2013)

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61) M. Merlo, A. Pivetta, B. Pinamonti, D. Stolfo, M. Zecchin, **G. Barbati**, A. Di Lenarda, G. Sinagra, “Long-term prognostic impact of therapeutic strategies in patients with idiopathic dilated cardiomyopathy: changing mortality over the last 30 years”, *Eur J Heart Fail.* **16**, 317-324 (2014).

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