

Formato europeo per il curriculum vitae



CURRICULUM VITAE di LUIGI EMILIO PASTORMERLO FORMULATO AI SENSI DEGLI ARTT. 46 E 47  
DPR 445/2000 (DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE DICHIARAZIONE SOSTITUTIVA DI  
ATTO DI NOTORIETA') 08/07/2021

**Work experience:**

**Date:** From may 2012 until now

**Institution:** Fondazione Toscana Gabriele Monasterio, Pisa and Massa Italy (FTGM), Interventional Cardiology Unit:

**Main Activities:** - execution of more than 5000 procedures of coronary catheterization as first operator

- performing of about 2400 coronary angioplasty as first operator, 400 of them in acute coronary syndrome (ACS) ST elevation myocardial infarction (STEMI) setting, i.e. primary angioplasty

- performing of coronary intravascular and functional evaluation by mean of Optical Coherence Tomography and Fractional Flow Reserve evaluation

- performing of procedures of renal denervation, cardiac biopsy, left atrial appendage closure, peripheral angioplasty, aortic valve valvuloplasty percutaneous aortic valve replacement, percutaneous mitral valve annuloplasty, patent foramen ovalis occlusion, interatrial defect occlusion, percutaneous treatment for thoracic and abdominal aortic aneurisms as second/third operator

**Date** From may 2008 until now

**Institution:** Fondazione Toscana Gabriele Monasterio, Pisa and Massa Italy (FTGM) Clinical Cardiology and Cardiac Surgery Unit:

**Main Activities:** - clinical activity in Intensive Care Unit in Cardiology

-clinical activity in management of heart failure

-care of patients before/after cardiac surgery

-supervision of cardiovascular rehabilitation programs

- use of continuous replacement renal therapies in heart failure patients

- ambulatorial activity: cardiopulmonary stress test, holter ECG, chemo- and baro-reflex assessment, transoesophagal and transthoracic echocardiography

**Date:** From May 2011 to October 2011

**Institution:** Nuclear Medicine Unit at FTGM Pisa:

**Main Activities:** -performing and reporting of more than 400 cardiac stress scintigraphies under expert supervision

**Date:** From 18 July 2007 to 28 September 2007 and from 4 December 2007 to 31 January 2008

**Institution:** Centro Cardiologico Monzino Milano

**Main Activities:** -clinical activity in management of acute and cardiac heart failure

-ambulatory activity on cardiopulmonary stress test

**Date:** October 2006

**Institution:** Endocrine Unit-Massachusetts General Hospital-Harvard Medical School- Boston MA

**Main Activities:** -visiting student, clinical and experimental approach to endocrine diseases

**Date:** October 2006

**Institution:** Surgical Unit "New York Presbyterian Hospital –Cornell University-New York City USA

**Main Activities:** -visiting student clinical and experimental approach surgical abdominal diseases

**Date:** September 2005

**Institution:** International Centre for Genetic Engineering and Biotechnology Trieste

**Main Activities:** -experimental research on a mouse model of virus mediated gene delivery after myocardial infarction

## **Educational Background:**

**Date:** 1998 to 2003

**Institution:** High School Benedetto Cairoli Vigevano– classical studies (secondary school), 100/100 cum laude

**Date:** 2003 to 2009

**Institution:** Medical studies at University of Pisa, degree with 110/110 cum laude, thesis title “Vulnerabilità miocardica e bioumorale all'esercizio fisico nel paziente con insufficienza cardiaca. Effetti del training fisico aerobico.”

**Date:** 2003 to 2009

**Institution:** 6 years upgrade program at Scuola Superiore Sant'Anna, Pisa Medical science degree with 100/100 cum laude, thesis title “Diabete mellito ed insufficienza cardiaca”.

**Date:** February 2010

**Institution:** Exam for qualification as Medical Doctor , positive result: admitted to Ordine dei Medici Chirurghi Provincia di Pisa

**Date:** From 2010 until 18 may 2015

**Institution:** Fellowship in Cardiology and Cardiovascular Diseases at University of Florence Italy – 5 exams by year (30/30 cum laude each one). Final examination (18 May 2015) 70/70 cum laude), thesis title Neurohormonal activation in resistant arterial hypertension: influence of renal denervation

**Date** From November 2014 to Novembre

**Institution:** Scuola Superiore Sant'Anna, Pisa, Institute of Life Sciences

**Main Activities:** - PhD program in translational medicine of Scuola Superiore Sant'Anna

- - experimental protocol on induction of myocardial infarction in pigs to evaluate cardiac remodeling and metabolism in the translational research Laboratory of Medical Sciences. Performing of 40 experiments of myocardial infarction in pigs, followed in half of them from percutaneous renal denervation procedure.
- Thesis title: Renal sympathetic denervation for cardioprotection after acute myocardial infarction: a preclinical study
- Preliminary results presented at European Society of Cardiology Congress in Barcelona, 2017 as “Sympathetic renal denervation after acute myocardial infarction results in increased myocardial salvage in pigs”.

## **Courses and Activities**

**Date:** 2000

**Activity:** Trinity College Exam on English Language

**Date:** 2003

**Activity:** First Certificate in English Exam, Cambridge University

**Date:** 2003

**Activity:** European Computer Driving Licence (ECDL), Pisa University

**Date:** 2008

**Activity:** Acute Cardiac Life Support (ACLS) accreditation, American Heart Association

**Date:** 2008

**Activity:** Basic Life Support and Defibrillation (BLS-D) accreditation, American Heart Association

**Date:** 2009

**Activity:** Cardipulmonary stress test Interpretation course, Centro Cardiologico Monzino, Milano

**Date:** From July 2009 to December 2009

**Activity:** POR - Progetto formativo del tirocinante - Regione Toscana Scuola Superiore S.Anna/ Stage at Fondazione Toscana Gabriele Monasterio in Pisa

**Date:** 2011

**Activity:** European Society of Cardiology Accreditation in Transthoracic echocardiography - Paris

**Date:** 2012

**Activity:** European Society of Cardiology Accreditation in Transoesophageal echocardiography - Athens

**Date:** 2014

**Activity:** European Association of Percutaneous Coronary Intervention – European Society of Cardiology Fellows course on Coronary Interventions, Sophia Antipolis - France

## **Awards and Grants**

**Date:** May 2010

**Award:** First Edition of the "Mino Solimeo" Award with the research protocol: Evaluation of haemodynamic and neurohormonal response to exercise in diabetic cardiomyopathy"

**Date:** September 2012

**Award:** Travel grant award for European Society of Cardiology Congress, Munchen

**Date:** March 2015

**Award:** First Contact Initiative Grant of European Society of Cardiology, at Homburg University under the supervision of Professor Michael Boehm with the project: Renal sympathetic denervation for cardioprotection after acute myocardial infarction: a preclinical study.

## Published Papers

1. Intra-Cardiac versus Transesophageal Echocardiographic Guidance for Left Atrial Appendage Occlusion: the LAO Italian Multicenter Registry. Berti S, Pastormerlo LE, Santoro G, Brscic E, Montorfano M, Vignali L, Danna P, Tondo C, Rezzaghi M, D'Amico G, Stabile A, Saccà S, Patti G, Rapacciuolo A, Poli A, Golino P, Magnavacchi P, Meucci F, Pezzulich F, Stolcova M, Tarantini G. *JACC Interventions*, in press 2018.
2. Natriuretic peptides. D'où venons-nous? Que sommes-nous? Où allons-nous? Emdin M, Aimo A, Vergaro G, Pastormerlo LE, Clerico A. *Int J Cardiol*. 2018 Mar 1;254:256-257. doi: 10.1016/j.ijcard.2017.12.028. Epub 2018 Jan 28.
3. Multiparametric prognostic scores in chronic heart failure with reduced ejection fraction: a long-term comparison. Agostoni P, Paolillo S, Mapelli M, Gentile P, Salvioni E, Veglia F, Bonomi A, Corrà U, Lagioia R, Limongelli G, Sinagra G, Cattadori G, Scardovi AB, Metra M, Carubelli V, Scrutinio D, Raimondo R, Emdin M, Piepoli M, Magri D, Parati G, Caravita S, Re F, Cicoira M, Minà C, Correale M, Frigerio M, Bussotti M, Oliva F, Battaia E, Belardinelli R, Mezzani A, Pastormerlo L, Guazzi M, Badagliacca R, Di Lenarda A, Passino C, Sciomer S, Zambon E, Pacileo G, Ricci R, Apostolo A, Palermo P, Contini M, Clemenza F, Marchese G, Gargiulo P, Binno S, Lombardi C, Passantino A, Filardi PP. *Eur J Heart Fail*. 2018 Apr;20(4):700-710. doi: 10.1002/ejhf.989.
4. Celi S, Martini N, **Pastormerlo LE**, Positano V, Berti S. Multimodality imaging for interventional cardiology. *Curr Pharm Des*. 2017 Jul 4. doi: 10.2174/1381612823666170704171702. [Epub ahead of print]
5. Berti S, Varbella F, Marchese A, **Pastormerlo LE**, Musumeci G. Italy: coronary and structural heart interventions from 2010 to 2015. *EuroIntervention*. 2017 May 15;13(Z):Z37-Z41.
6. **Pastormerlo LE**, Maffei S, Latta DD, Chubuchny V, Susini C, Berti S, Prontera C, Storti S, Passino C, Pasanisi E, Emdin M, Chiappino D. N-terminal fragment of B-type natriuretic peptide predicts coexisting subclinical heart and vessel disease. *J Cardiovasc Med (Hagerstown)*. 2017;18:750-757.
7. Paolillo S, Mapelli M, Bonomi A, Corrà U, Piepoli M, Veglia F, Salvioni E, Gentile P, Lagioia R, Metra M, Limongelli G, Sinagra G, Cattadori G, Scardovi AB, Carubelli V, Scrutinio D, Badagliacca R, Raimondo R, Emdin M, Magri D, Correale M, Parati G, Caravita S, Spadafora E, Re F, Cicoira M, Frigerio M, Bussotti M, Minà C, Oliva F, Battaia E, Belardinelli R, Mezzani A, **Pastormerlo L**, Di Lenarda A, Passino C, Sciomer S, Iorio A, Zambon E, Guazzi M, Pacileo G, Ricci R, Contini M, Apostolo A, Palermo P, Clemenza F, Marchese G, Binno S, Lombardi C, Passantino A, Perrone Filardi P, Agostoni P. Prognostic role of  $\beta$ -blocker selectivity and dosage regimens in heart failure patients. Insights from the MECKI score database. *Eur J Heart Fail*. 2017;19:904-914.
8. Berti S, **Pastormerlo LE**, Rezzaghi M, Trianni G, Paradossi U, Cerone E, Ravani M, De Caterina AR, Rizza A, Palmieri C. Left Atrial Appendage Occlusion in High Risk Patients with Non-Valvular Atrial Fibrillation. *Heart*. 2016 Dec 15;102(24):1969-1973
9. Emdin M, Mirizzi G, **Pastormerlo LE**, Poletti R, Giannelli E, Prontera C, Passino C, Vergaro G. The search for efficient diagnostic and prognostic biomarkers of heart failure. *Future Cardiol*. 2016 May;12(3):327-37.
10. **Pastormerlo LE**, Ciardetti M, Coceani M, Trianni G, Ravani M, Vaghetti M, Rizza A, De Caterina A, Berti S, Palmieri C. Self-expanding stent for complex percutaneous coronary interventions: A real life experience. *Cardiovasc Revasc Med*. 2016 Apr-May;17(3):186-9.
11. Carubelli V, Metra M, Corrà U, Magri D, Passino C, Lombardi C, Scrutinio D, Correale M, Cattadori G, Piepoli MF, Salvioni E, Giovannardi M, Raimondo R, Cicoira M, Belardinelli R, Guazzi M, Limongelli G, Clemenza F, Parati G, Scardovi AB, Di Lenarda A, Bussotti M, La Gioia R, Agostoni P; MECKI score research group: Veglia F, Mantegazza V, Apostolo A, Contini M, Palermo P, Farina S, Bonomi A, Bertella E, Casenghi M, Giannuzzi P, Giordano A, Mezzani A, Perrone-Filardi P, Paolillo S, Gargiulo P, Pietrucci F, Scardovi AB, Ricci R, Ferraironi A, Malfatto G, Caravita S, Roselli T, Buono A, Calabro R, Masarone D, Pacileo G, De Maria R,

- Passantino A, Santoro D, Campanale S, Caputo D, Vaninetti R, Bertipaglia D, Confalonieri M, Iorio A, Sinagra G, Berton E, Torregiani C, **Pastormerlo LE**, Emdin M, Metra M, Carubelli V, Lombardi C, Vassanelli C, Battaia E, Marchese G, Girola D, Frigerio M, Oliva F, Re F. Exercise Performance Is a Prognostic Indicator in Elderly Patients With Chronic Heart Failure--Application of Metabolic Exercise Cardiac Kidney Indexes Score. *Circ J*. 2015;79(12):2608-15.
12. Aimo A, Borrelli C, Giannoni A, **Pastormerlo LE**, Barison A, Mirizzi G, Emdin M, Passino C. Cardioprotection by remote ischemic conditioning: Mechanisms and clinical evidences. *World J Cardiol* 2015; 7(10): 621-632.
  13. **Pastormerlo LE**, Agazio A, Benelli E, Gabutti, Polett R, Prontera C, Clerico A, Emdin M, Passino C. Usefulness of High-Sensitive Troponin Elevation After Effort Stress to Unveil Vulnerable Myocardium in Patients with Heart Failure. *Am J Cardiol* 2015;116(4):567-72.
  14. Ciardetti M, Coceani M, **Pastormerlo LE**, Fommei E, Ghione S, Passino C, Emdin M, Palmieri C, Berti S. Renal denervation in resistant arterial hypertension: Effects on neurohormonal activation and cardiac natriuretic peptides. *Int J Cardiol*. 2015;184:574-5.
  15. Paolillo S, Agostoni P, Masarone D, Corrà U, Passino C, Scrutinio D, Correale M, Cattadori G, Metra M, Girola D, Piepoli MF, Salvioni E, Giovannardi M, Iorio A, Emdin M, Raimondo R, Re F, Cicoira M, Belardinelli R, Guazzi M, Clemenza F, Parati G, Scardovi AB, Di Lenarda A, La Gioia R, Frigerio M, Lombardi C, Gargiulo P, Sinagra G, Pacileo G, Perrone-Filardi P, Limongelli G; Metabolic Exercise test data combined with Cardiac and Kidney Indexes (MECKI) Score Research Group: Fiorentini C, Apostolo A, Palermo P, Contini M, Bertella E, Mantegazza V, Pietrucci F, Ferraironi A, Casenghi M, Roselli T, Buono A, Calabrò R, Murge C, Santoro D, Campanale S, Caputo D, Bertipaglia D, Vaninetti R, Confalonieri M, Zambon E, Berton E, Torregiani C, Dei Cas L, Carubelli V, Binno S, Marchese G, Oliva F, **Pastormerlo LE**. Prognostic role of atrial fibrillation in patients affected by chronic heart failure. Data from the MECKI score research group. *Eur J Intern Med*. 2015;26(7):515-20.
  16. Scrutinio D, Agostoni P, Gesualdo L, Corrà U, Mezzani A, Piepoli M, Di Lenarda A, Iorio A, Passino C, Magri D, Masarone D, Battaia E, Girola D, Re F, Cattadori G, Parati G, Sinagra G, Villani GQ, Limongelli G, Pacileo G, Guazzi M, Metra M, Frigerio M, Cicoira M, Minà C, Malfatto G, Caravita S, Bussotti M, Salvioni E, Veglia F, Correale M, Scardovi AB, Emdin M, Giannuzzi P, Gargiulo P, Giovannardi M, Perrone-Filardi P, Raimondo R, Ricci R, Paolillo S, Farina S, Belardinelli R, Passantino A, La Gioia R; Metabolic Exercise test data combined with Cardiac and Kidney Indexes (MECKI) Score Research Group: Fiorentini C, Apostolo A, Palermo P, Contini M, Bertella E, Mantegazza V, Pietrucci F, Ferraironi A, Casenghi M, Clemenza F, Roselli T, Buono A, Calabrò R, Murge C, Santoro D, Campanale S, Caputo D, Bertipaglia D, Vaninetti R, Confalonieri M, Zambon E, Berton E, Torregiani C, Dei Cas L, Carubelli V, Binno S, Marchese G, Oliva F, **Pastormerlo LE**. Renal function and peak exercise oxygen consumption in chronic heart failure with reduced left ventricular ejection fraction. *Circ J*. 2015;79(3):583-91.
  17. Corrà U, Agostoni P, Piepoli MF; MECKI score research group: Giordano A, Mezzani A, Giannuzzi P, Cattadori G, Fiorentini C, Salvioni E, Giovannardi M, Veglia F, Apostolo A, Palermo P, Contini M, Vignati C, Farina S, Bovis F, Cicoira M, Vassanelli C, La Gioia R, Scrutinio D, Passantino A, Santoro D, Campanale S, Caputo D, Scardovi AB, Ricci R, Emdin M, Metra M, Dei Cas L, Sinagra G, Berton E, Limongelli G, Iorio AM, Roselli T, Buono A, Calabrò R, Raimondo R, Vaninetti R, Bertipaglia D, Re F, Guazzi M, Belardinelli R, Pietrucci F, Parati G, Magri D, Di Lenarda A, Paolillo S, Perrone-Filardi P, Passino C, **Pastormerlo LE**, Malfatto G, Caravita S. Metabolic exercise data combined with cardiac and kidney indexes: MECKI score. Predictive role in cardiopulmonary exercise testing with low respiratory exchange ratio in heart failure. *Int J Cardiol*. 2015;184:299-301.
  18. **Pastormerlo LE**, Maffei S, Latta DD, Chubuchny V, Susini C, Berti S, Clerico A, Prontera C, Passino C, Januzzi JL Jr, Emdin M, Chiappino D. N-terminal pro-B-type natriuretic peptide is a marker of vascular remodelling and subclinical atherosclerosis in asymptomatic hypertensives. *Eur J Prev Cardiol*. 2016;23(4):366-76.
  19. Magri D, Agostoni P, Corrà U, Passino C, Scrutinio D, Perrone-Filardi P, Correale M, Cattadori G, Metra M, Girola D, Piepoli MF, Iorio A, Emdin M, Raimondo R, Re F, Cicoira M, Belardinelli R, Guazzi M, Limongelli G, Clemenza F, Parati G, Frigerio M, Casenghi M, Scardovi AB, Ferraironi A, Di Lenarda A, Bussotti M, Apostolo A, Paolillo S, La Gioia R, Gargiulo P, Palermo P, Minà C, Farina S, Battaia E, Maruotti A, Pacileo G, Contini M, Oliva F, Ricci R, Sinagra G; on behalf of the MECKI Score Research Group: Salvioni E, Giovannardi M, Veglia F, Mantegazza V, Bertella E, Giannuzzi P, Giordano A, Mezzani A, Pietrucci F, Malfatto G, Roselli T, Buono A, Calabrò R, Masarone D, De Maria R, Passantino A, Santoro D, Campanale S, Caputo D, Vaninetti R, Bertipaglia D, Confalonieri M, Berton E, Torregiani C, **Pastormerlo LE**, Dei Cas L, Carubelli V, Vassanelli C, Marchese G. Deceptive meaning of oxygen uptake measured at the anaerobic threshold in patients with systolic heart failure and atrial fibrillation. *Eur J Prev Cardiol*. 2015;22(8):1046-55.
  20. **Pastormerlo LE**, Ciardetti M, Trianni G, Ravani M, Shlueter M, Vaghetti M, Coceani M, Rizza A, Berti S, Palmieri C. Drug eluting balloon: a multipurpose tool for coronary revascularization with optimal long-term follow-up results. *J Interv Cardiol*. *J Interv Cardiol*. 2014;27(6):574-9.

21. Santoro G, Francesco Meucci, Stolcova M, Rezzaghi M, Mori F, Palmieri C, Paradossi U, **Pastormerlo LE**, Rosso G, Berti S. Percutaneous Left Atrial Appendage Occlusion in Patients with Non-Valvular Atrial Fibrillation: Implantation and up to Four Years Follow-Up of the AMPLATZER Cardiac Plug. *Eurointervention* 2016Feb;11(10):1188-94.
22. Barison A, **Pastormerlo LE**, Mirizzi G, Castelluccio E, Masci PG, Passino C. Leiomyosarcoma of the inferior vena cava in a patient with Budd-Chiari. *Revista Portuguesa de Cardiologia* 2014;33(12):807-9.
23. Sampietro T, Sbrana F, Coceani M, Bigazzi F, **Pastormerlo LE**, Luciani R, Dal Pino B, Pianelli M, Pasanisi EM. A giant coronary aneurysm induced by rotational atherectomy in a patient with unrecognized familial hypercholesterolemia. *Nutr Metab Cardiovasc Dis.* 2014;(10):e31-2.
24. **Pastormerlo LE**, Mammini C, Giannoni A, Valleggi A, Prontera C, Gabutti A, Poletti R, Padeletti L, Emdin M, Passino C. Glycosylated haemoglobin is associated with neurohormonal activation and poor outcome in chronic heart failure patients with mild left ventricular systolic dysfunction. *J Cardiovasc Med (Hagerstown).* 2015; 16(6):423-30.
25. Giannoni A, Baruah R, Leong T, Rehman MB, **Pastormerlo LE**, Harrell FE, Coats AJ, Francis DP. Do optimal prognostic thresholds in continuous physiological variables really exist? Analysis of origin of apparent thresholds, with systematic review for peak oxygen consumption, ejection fraction and BNP. *PLoS One* 2014;9(1):e81699.
26. Cattadori G, Agostoni P, Corrà U, Di Lenarda A, Sinagra G, Veglia F, Salvioni E, La Gioia R, Scardovi AB, Emdin M, Metra M, Limongelli G, Raimondo R, Re F, Guazzi M, Belardinelli R, Parati G, Magri D, Fiorentini C, Mezzani A, Scrutinio D, Pacileo G, Apostolo A, Iorio A, Paolillo S, Palermo P, Contini M, Giannuzzi P, Battaia E, Ciccoira M, Passino C, Piepoli MF; on behalf of the MECKI Score Research Group: Antonioli L, Segurini C, Bertella E, Farina S, Bovis F, Pietrucci F, Malfatto G, Roselli T, Buono A, Calabrò R, De Maria R, Passantino A, Santoro D, Campanale S, Caputo D, Vaninetti R, Bertipaglia D, Berton E, Ricci R, **Pastormerlo LE**, Dei Cas L. Severe heart failure prognosis evaluation for transplant selection in the era of beta-blockers: role of peak oxygen consumption. *Int J Cardiol.* 2013;168(5):5078-81.
27. Agostoni P, Corrà U, Cattadori G, Veglia F, Battaia E, La Gioia R, Scardovi AB, Emdin M, Metra M, Sinagra G, Limongelli G, Raimondo R, Re F, Guazzi M, Belardinelli R, Parati G, Magri D, Fiorentini C, Ciccoira M, Salvioni E, Giovannardi M, Mezzani A, Scrutinio D, Di Lenarda A, Mantegazza V, Ricci R, Apostolo A, Iorio A, Paolillo S, Palermo P, Contini M, Vassanelli C, Passino C, Piepoli MF; on behalf of the MECKI Score Research Group: Bertella E, Farina S, Malfatto G, Pacileo G, Roselli T, Buono A, Calabrò R, Passantino A, Santoro D, Campanale S, Caputo D, Bertipaglia D, Berton E, **Pastormerlo LE**, Vaninetti R, Confalonieri M, Giannuzzi P, Dei Cas L, Perrone Filardi P, Gargiulo P. Prognostic value of indeterminable anaerobic threshold in heart failure. *Circ Heart Fail.* 2013;6(5):977-87.
28. Emdin M, **Pastormerlo LE**, Passino C. Can we measure how hot the plaque is? Not yet, but... *J Am Coll Cardiol.* 2013;62(4):338-9
29. Marini C, Formichi B, Bauleo C, Michelassi C, Pancani R, Prediletto R, Miniati M, Catapano G, Monti S, Mannucci F, Tavoni A, D'Ascanio A, **Pastormerlo LE**, Giannoni A, Giuntini C. Improved survival in limited scleroderma-related pulmonary artery hypertension. *Intern Emerg Med.* 2014;9(4):385-96
30. Agostoni P, Corrà U, Cattadori G, Veglia F, La Gioia R, Scardovi AB, Emdin M, Metra M, Sinagra G, Limongelli G, Raimondo R, Re F, Guazzi M, Belardinelli R, Parati G, Magri D, Fiorentini C, Mezzani A, Salvioni E, Scrutinio D, Ricci R, Bettari L, Di Lenarda A, **Pastormerlo LE**, Pacileo G, Vaninetti R, Apostolo A, Iorio A, Paolillo S, Palermo P, Contini M, Confalonieri M, Giannuzzi P, Passantino A, Cas LD, Piepoli MF, Passino C; MECKI Score Research Group. Metabolic exercise test data combined with cardiac and kidney indexes, the MECKI score: a multiparametric approach to heart failure prognosis. *Int J Cardiol.* 2013;167(6):2710-8.
31. Emdin M, **Pastormerlo LE**, Passino C. The month after a novel tale on eplerenone, but with a different ending. *J Am Coll Cardiol.* 2011;58(19):1967-9.
32. Barison A, Vergaro G, **Pastormerlo LE**, Ghiadoni L, Emdin M, Passino C. Markers of arrhythmogenic risk in hypertensive subjects. *Curr Pharm Des.* 2011;17(28):3062-73.
33. Barison A, **Pastormerlo LE**, Giannoni A. Troponin in Non-Ischaemic Dilated Cardiomyopathy. *European Cardiology,* 2011;7(3):220-4.
34. Giannoni A, Passino C, Vergaro G, Valleggi A, **Pastormerlo LE**, Fontana M, Poletti R, Mammini C, Aquaro G, Benedetti E, Petrini M, Emdin M. Modern diagnostic and therapeutic approach to cardiac AL amyloidosis and neuroendocrine model of heart failure: lessons from a clinical case. *Amyloid.* 2011;18 Suppl 1:119-21.
35. Vergaro G, Catarsi E, D'Ascanio A, Fontana M, Acquaro GD, **Pastormerlo LE**, Valleggi A, Passino C, Emdin M, Tavoni G. Cardiomiopatia ed ipereosinofilia: un caso post-partum. *Recenti Prog Med.* 2009 Dic;100(12):541-46.
36. Fontana M, Giannoni A, Poletti R, Gabutti A, Vergaro G, **Pastormerlo LE**, Emdin M, Passino C. Cheyne-Stokes respiration and heart failure: pathophysiological and clinical implications. *Recenti Prog Med.* 2009;100(10):458-64.
37. Emdin M, Fontana M, Poletti R, Gabutti A, Mammini C, Rossi A, **Pastormerlo LE**, Masi L, Passino C, Clerico A. Review: Natriuretic peptide testing in primary care patients. *Clin Chem Lab Med* 2008; 46(11):1533-1542

## Abstract and Poster as first author:

1. European Society of Cardiology Congress, 2017, Barcelona: Sympathetic renal denervation after acute myocardial infarction results in increased myocardial salvage in pigs. Abstract presentation
2. Transcatheter Cardiovascular Therapeutics (TCT) congress 2014, Washington: Renal denervation in hypertensive patients: effects on neurohormonal activation and cardiac natriuretic peptides. Abstract presentation
3. European Society of Cardiology (ESC) congress 2013, Amsterdam: N-terminal fragment of brain natriuretic peptide as a powerful and independent predictor of subclinical heart and vascular disease (stage B) in an asymptomatic population from the community screening. Abstract Presentation
4. ESC Heart Failure congress 2013, Lisbon: Prediction of ongoing myocardial damage by noradrenergic response and haemodynamic impairment during exercise in systolic heart failure. Non invasive estimation of Frank-Starling curve. Poster Presentation
5. ESC congress 2012, Munchen: a) N- terminal fragment of brain natriuretic peptide predicts vascular health and subclinical atherosclerosis: results from MEHLP study. Abstract Presentation. b) Glycometabolic imbalance is a main determinant of neurohormonal activation and cardiac mortality in mild systolic heart failure. Abstract Presentation. c) Subclinical coronary atherosclerosis across the peri-menopausal age: association between flogistic activation and coronary calcium score. Poster presentation
6. Italian Society of Cardiology SIC congress 2011, Rome: a) Hyperglycemia and insuline resistance predict neurohormonal activation and prognosis at early stage of chronic heart failure. Abstract Presentation. b) Aerobic training decreases cardiac vulnerability along with reduction of catecholaminergic response and haemodynamic overload during maximal effort. Abstract Presentation. c) Gammaglutamyl-transferase and high-sensitivity C-reactive protein independently predict coronary calcium score and echographic carotid intima-media thickness: an Italian population-based cohort-study. Abstract Presentation d) Has cardiopulmonary exercise test still prognostic value for systolic heart failure patients in the biomarkers era? Abstract Presentation
7. ESC 2011, Paris: a) Prognostic role of pVO<sub>2</sub> in 2011 in an unselected Italian population with cardiac disease. Poster presentation; b) Need for cardiac valvular surgery in 2011: preliminary results from a community screening of an Italian unselected population. Poster presentation; c) Gammaglutamyl-transferase and high-sensitivity C-reactive protein independently predict coronary calcium score and echographic carotid intima-media thickness: an Italian population-based cohort-study. Poster presentation
8. Heart failure 2011, Goteborg: a) Cardiac vulnerability decrease by reduction of catecholaminergic response and haemodynamic overload during maximal effort. The role of aerobic training. Poster presentation; b) Has cardiopulmonary exercise test prognostic implications in an unselected heart disease population? An Italian multi-centre study. Poster presentation; c) Does cardiopulmonary exercise test still hold prognostic value in the BNP era? Poster presentation.
9. ESC 2010, Stockholm: Diabetes is a predictor of effort tolerance and ventilatory efficiency in patients with moderate systolic dysfunction on beta-blocker therapy. Poster presentation
10. Heart Failure 2010, Berlin: a) Neurohormonal and prognostic weight of type 2 diabetes mellitus in chronic heart failure. Poster presentation; b) Prediction of ongoing myocardial damage by neurohormonal evaluation and non invasive estimation of Frank-Starling curve during effort stress in systolic heart failure. Poster presentation; c) Inflammatory activation during maximal physical effort predicts specific cardiomyocyte membrane damage in systolic heart failure. Poster presentation.
11. ESC 2009, Barcelona: a) Diabetes is a determinant of plasma B-type natriuretic peptide concentration and renin activity in patients with systolic heart failure. Poster presentation; b) Predictors of plasma renin activity, a main prognostic determinant in systolic heart failure. Poster presentation.
12. Heart Failure 2009, Nice: a) Plasma B-type natriuretic peptide levels and renin activity are increased in diabetic patients with moderate systolic heart failure. Poster presentation; b) Low triiodothyronine predict impaired functional capacity in systolic heart failure patients.
13. ESC 2008, Munchen: Exertional periodic breathing is frequent in heart failure patients: correlation with clinical status and neuro-hormonal activation. Poster presentation
14. Heart Failure 2008, Milan: Exertional periodic breathing is frequent in heart failure patients: correlation with clinical status and neuro-hormonal activation. Poster presentation



### **Congresses and courses as speaker:**

1. "Cure Palliative nell'END of LIFE" n. 1052014043329, 2014
2. "Curare la sindrome coronarica acuta nel 2014" n. 100748, 2014
3. "Tra cardiopatia ischemica e malattia coronarica" n. 134495, 2015
4. "Ipertensione: tra rischio cardiovascolare e malattia il punto nel 2015" n. 138593, 2015

### **Main Congresses as attendee:**

1. European Society of Cardiology – Heart Failure Congress Milan 2008
2. European Society of Cardiology Congress 2008 (Munche)
3. European Society of Cardiology – Heart Failure Congress 2009 (Nice)
4. European Society of Cardiology Congress 2012 (Munche)
5. GISE (Società Italiana di Cardiologia Interventistica) from 2014 to 2016