



## Europass Curriculum Vitae

**First name, Surname and Degree** CHIARA MOZZINI, MD, PhD

**Address** VIALE MONTELLO,40 46100 MANTOVA, ITALY

**Telephone** 3473106601

**E-mail** [chiaramozzini@libero.it](mailto:chiaramozzini@libero.it) [chiara.mozzini@univr.it](mailto:chiara.mozzini@univr.it)

**Country** ITALY

**Date of birth** 1978, JUNE, 30 place: MANTOVA, ITALY

**Gender** FEMALE

**Current position** Adjunct Professor (*Ricercatore tipo A*) with Medical Doctor activity, Section of Internal Medicine University of Verona, Italy

**Education and training**

**2006: Medical Doctor Degree University of Brescia (Italy). Graduation dissertation: Polimorfismi genetici in famiglie con eventi cardiovascolari precoci: ruolo delle variabili intermedie nel condizionare l'evento (Prof. D. Assanelli, Prof. M.L. Muiasan)**

**2007: registration at College of M.D, Mantova n' 2846**

**2012: Board Certified Specialist in Internal Medicine University of Verona (Italy). Dissertation: Possibile ruolo dello stress ossidativo nell'attivazione dell' Unfolded Protein Response e nella repressione della via di segnale antiossidante Nrf2/ARE in pazienti con cardiopatia ischemica cronica (Prof. L. Cominacini)**

**2016: PhD certification: Clinical and experimental Medical Sciences, Tutor Prof. L. Cominacini, University of Verona, Italy. Dissertation: Recent acquisitions about the role of endoplasmic reticulum stress and Nrf2 signalling in cardiovascular diseases and in atherosclerotic plaque vulnerability**

**Work experience**

**2015-current: Adjunct Professor (*Ricercatore tipo A*) with Medical Doctor activity Section of Internal Medicine University of Verona, Italy**

**2012-2015: Medical Doctor activity Section of Internal Medicine University of Verona, Italy**

**2012-2015: medical doctor activity Internal Medicine specialistic ambulatory “Day clinic Valsecchi” , Mantova**

**2013-2015: medical doctor activity geriatric assistance residence house “ASPEF”, (RSA I. D’Este and L. Bianchi) Mantova**

**Personal skills and competences**

- **BLS (Basic Life Support)**
- **ALS (Advanced Life Support)**
- **PTC (Pre-Hospital Trauma Care)**
- **Competence certification of general ultrasound (SIUMB)**
- **Competence certification of Eco-color Doppler ultrasound (SIUMB)**
- **Competence certification of echocardiography (SIEC)**
- **CPAP/NIV certification for non invasive ventilation support**

**Mother tongue**

**ITALIAN**

**Other languages**

**ENGLISH: TOEFL certification (2015)**

**GERMAN: beginner**

**ULTRASOUND STAGES (IN ITALY)**

**2010-2011: echocardiography laboratory of the Cardiology Unit of University hospital of Verona, Italy (Dr. G. Golia)**

**2011: general ultrasound laboratory SIUMB school S. Orsola hospital Brescia, Italy (Dr. A. Salmi)**

**2014-2015: eco-color Doppler SIUMB school, Central hospital Bolzano, Italy (Dr. A. Casadei, Dr. G. Roscia)**

## **ULTRESOUND STAGES (FOREIGN COUNTRIES)**

**2013: echocardiography laboratory of the Department of Cardiology, Cardiocentro Ticino, Lugano SWITZERLAND (Dr. F. Faletra)**

**2015: ultrasound laboratory (carotid and trans-cranial Doppler), Department of Neurology, Klinikum Grosshadern, University Ludwig Maximilian, München, GERMANY (Prof. M. Dieterich)**

## **SCIENTIFIC SOCIETIES**

**Member of:**

**Italian Society of Ultrasonology (SIUMB)**

**Italian Society of Internal Medicine (SIMI)**

**Italian Society of Atherosclerosis (SISA)**

**Italian Society of Cardiovascular Ultrasound (SIEC)**

## **COLLABORATION WITH SCIENTIFIC JOURNALS**

**Referee for:**

**- Cellular Physiology and Biochemistry (Germany)**

## **AWARDS**

**- 2013: best oral presentation Società Italiana Studio Aterosclerosi (SISA) TRIVENETO**

**- 2015: best oral presentation SISA TRIVENETO**

## **CLINICAL TRIALS**

**- 2010-2014: ARAPACIS (Prevalence of peripheral artery disease by abnormal ankle-brachial index in atrial fibrillation) (Italian Society of Internal Medicine)**

**- 2011-2013: CANTOS NOVARTIS: “ Interleukin-1 $\beta$  inhibition and the prevention of recurrent cardiovascular events: Rationale and Design of the Canakinumab Anti-inflammatory Thrombosis Outcomes Study (CANTOS)”.**

## **ORAL PRESENTATIONS AND CHAIR:**

- **2009, June: ESH (European Society of Hypertension, Milan, oral presentation, English: CIGARETTE SMOKING BLOCKS THE PROTECTIVE EXPRESSION OF Nrf2/ARE PATHWAY IN BLOOD CELLS OF YOUNG HEAVY SMOKERS FAVOURING INFLAMMATION: RELATION WITH ENDOTHELIAL FUNCTION AND CAROTID INTIMA MEDIA THICKNESS)**
- **2011, November: SISA (Italian Society of Atherosclerosis, Rome, oral presentation, Italian: POSSIBILE RUOLO DELLO STRESS OSSIDATIVO NELL' ATTIVAZIONE DELL' «UNFOLDED PROTEIN RESPONSE» E NELLA REPRESSIONE DELLA VIA DI SEGNALE ANTIOSSIDANTE Nrf2/ARE IN PAZIENTI CON CARDIOPATIA ISCHEMICA CRONICA)**
- **2011, December: SIC (Italian Society of Cardiology, Rome, oral presentation, Italian: POSSIBILE RUOLO DELLO STRESS OSSIDATIVO NELL' ATTIVAZIONE DELL' «UNFOLDED PROTEIN RESPONSE» E NELLA REPRESSIONE DELLA VIA DI SEGNALE ANTIOSSIDANTE Nrf2/ARE IN PAZIENTI CON CARDIOPATIA ISCHEMICA CRONICA)**
- **2013, June: ESH (European Society of Hypertension, Milan, oral presentation, English: INCREASED ENDOPLASMIC RETICULUM STRESS AND NRF2 REPRESSION IN PERIPHERAL BLOOD MONONUCLEAR CELLS OF PATIENTS WITH STABLE CORONARY ARTERY DISEASE)**
- **2013, October : SISA Triveneto (Verona, oral presentation, Italian: POSSIBILE RUOLO DELLO STRESS OSSIDATIVO NELL' ATTIVAZIONE DELL' «UNFOLDED PROTEIN RESPONSE» E NELLA REPRESSIONE DELLA VIA DI SEGNALE ANTIOSSIDANTE Nrf2/ARE IN PAZIENTI CON CARDIOPATIA ISCHEMICA CRONICA)**
- **2013, October: EFIM, European congress of Internal Medicine (Praha, Czech Republic, oral presentation and chair, English: INCREASED ENDOPLASMIC RETICULUM STRESS AND NRF2 REPRESSION IN PERIPHERAL BLOOD MONONUCLEAR CELLS OF PATIENTS WITH STABLE CORONARY ARTERY DISEASE)**
- **2014, September: European days of Internal Medicine (Praha, Czech Republic, oral presentation and chair, English: ENDOPLASMIC RETICULUM STRESS AND NRF2 REPRESSION IN CIRCULATING CELLS OF TYPE 2 DIABETIC PATIENTS WITHOUT THE RECOMMENDED GLYCAEMIC GOALS)**
- **2014, September: European days of Internal Medicine (Praha, Czech Republic, poster: SHORT TRAINING IN FOCUSED CARDIAC ULTRASOUND IN AN INTERNAL MEDICINE DEPARTMENT: WHAT REALISTIC SKILL TARGET COULD BE ACHIEVED?)**
- **2015, May: SISA Triveneto (Verona, oral presentation, Italian: RECENT ACQUISITIONS ABOUT ENDOPLASMIC RETICULUM STRESS AND NRF2 REPRESSION IN CORONARY ARTERY DISEASE AND TYPE 2 DIABETES PATIENTS)**
- **2015, May: Percorsi diagnostici nel tromboembolismo venoso (Verona, oral presentation, Italian: EPIDEMIOLOGIA DELLA MALATTIA TROMBOEMBOLICA)**
- **2017 May SIUMB Congress (Padova, -Italy): ECOGRAFIA CARDIACA AND CLINICAL CASE (GYMNASIUM)**
- **2017 ICCAD Congress (Venezia, Italy): ENDOPLASMIC RETICULUM STRESS, NRF2 SIGNALLING AND CARDIOVASCULAR DISEASES IN A NUTSHELL**
- **2017 SIMI Congress (Roma, Italy): chair of the session GYMNASIUM ECOGRAFICO**
- **2017 SIMI Congress (Roma, Italy): PUÒ L'ECOGRAFIA POLMONARE NEL PAZIENTE CON SCOMPENSO CARDIACO VELOCIZZARE LA DIMISSIONE IN MEDICINA INTERNA?**
- **2017 SIUMB Congress (Roma, Italy): G-Siumb: PAZIENTE CON DISPNEA**
- **2017 SIUMB Congress (Roma, Italy): THE ABCDE SCORE AS A FIVE-STEP ULTRASOUND EXAMINATION IN HEART FAILURE: A MULTI-CENTER STUDY**

## TEACHING ROLES:

- 2016-current: Internal Medicine (Infermieristica, sede di Trento)
- 2012-2015: anatomy-physiology-pharmacology and first aid lessons (OSS: Operatore Socio Sanitario, Enaip, Mantova)
- 2014-2015: tutor in practical activities for University of Verona Medical School Students (third year of the course: "ESERCITAZIONI SU MANICHINI")
- 2014-2015: tutor in echo training for Internal Medicine certifying board students, University of Verona

## LIST OF PUBLICATIONS:

1) Non-Exertional Heatstroke: A Case Report and Review of the Literature. **Mozzini C, Xotta G, Garbin U, Fratta Pasini AM, Cominacini L.** Am J Case Rep. 2017 Oct 4;18:1058-1065

2) Lung ultrasound in internal medicine efficiently drives the management of patients with heart failure and speeds up the discharge time.

**Mozzini C, Di Dio Perna M, Pesce G, Garbin U, Fratta Pasini AM, Ticinesi A, Nouvenne A, Meschi T, Casadei A, Soresi M, Cominacini L.** Intern Emerg Med. 2017 Aug 12. doi: 10.1007/s11739-017-1738-1

3) Endoplasmic reticulum stress, Nrf2 signalling and Cardiovascular diseases in a nutshell. **Mozzini C, Cominacini L, Garbin U, Fratta Pasini A.** Curr Atheroscler Rep 2017;19:33-40

4) An exploratory look at NETosis in atherosclerosis.

**Mozzini C, Garbin U, Fratta Pasini AM, Cominacini L.** Intern Emerg Med. 2016 Sep 21. [Epub ahead of print] Review. PMID: 27655025

5) Nrf2 expression is increased in peripheral blood mononuclear cells derived from mild-moderate ex-smoker COPD patients with persistent oxidative stress.

**Fratta Pasini AM, Ferrari M, Stranieri C, Vallerio P, Mozzini C, Garbin U, Zambon G, Cominacini L.** Int J Chron Obstruct Pulmon Dis. 2016 Jul 28;11:1733-43. doi: 10.2147/COPD.S102218.

6) Lung ultrasound in internal medicine: training and clinical practice.

**Mozzini C, Fratta Pasini AM, Garbin U, Cominacini L.** Crit Ultrasound J. 2016 Dec;8(1):10. doi: 10.1186/s13089-016-0048-6.

7) Young smoker "ABCD" vascular assessment: a four-step ultrasound examination for detecting peripheral, extra and intra-cranial early arterial damage.

**Mozzini C, Casadei A, Roscia G, Cominacini L.** BMC Cardiovasc Disord. 2016 Jul 8;16(1):147. doi: 10.1186/s12872-016-0318-z.

8) Searching the perfect ultrasonic classification in assessing carotid artery stenosis: comparison and remarks upon the existing ultrasound criteria.

**Mozzini C, Roscia G, Casadei A, Cominacini L.** J Ultrasound. 2016 Feb 1;19(2):83-90. doi: 10.1007/s40477-016-0193-6. Review.

9) Lights and shadows in the management of old and new oral anticoagulants in the real world of atrial fibrillation by Italian internists. A survey from the Atrial Fibrillation Registry for Ankle-Brachial Index Prevalence Assessment-Collaborative Italian Study.

**Pignatelli P, Pastori D, Perticone F, Corazza GR, Violi F; ARAPACIS (Atrial Fibrillation Registry for Ankle-Brachial Index Prevalence Assessment-Collaborative Italian Study) Study group.** Eur J Intern Med. 2015 Oct;26(8):e31-3. doi: 10.1016/j.ejim.2015.06.007.

- 10) Endoplasmic reticulum stress and Nrf2 signaling in cardiovascular diseases.  
Cominacini L, Mozzini C, Garbin U, Pasini A, Stranieri C, Solani E, Vallerio P, Tinelli IA, Fratta Pasini A. *Free Radic Biol Med*. 2015 Nov;88(Pt B):233-42. doi: 10.1016/j.freeradbiomed.2015.05.027.
- 11) Relationship between low Ankle-Brachial Index and rapid renal function decline in patients with atrial fibrillation: a prospective multicentre cohort study.  
Violi F, Pastori D, Perticone F, Hiatt WR, Sciacqua A, Basili S, Proietti M, Corazza GR, Lip GY, Pignatelli P; ARAPACIS (Atrial Fibrillation Registry for Ankle-Brachial Index Prevalence Assessment-Collaborative Italian Study) STUDY group. *BMJ Open*. 2015 May 21;5(5):e008026. doi: 10.1136/bmjopen-2015-008026.
- 12) Supervised exercise training reduces oxidative stress and cardiometabolic risk in adults with type 2 diabetes: a randomized controlled trial.  
Vinetti G, Mozzini C, Desenzani P, Boni E, Bulla L, Lorenzetti I, Romano C, Pasini A, Cominacini L, Assanelli D. *Sci Rep*. 2015 Mar 18;5:9238. doi: 10.1038/srep09238.
- 13) The atherosclerotic plaque vulnerability: focus on the oxidative and endoplasmic reticulum stress in orchestrating the macrophage apoptosis in the formation of the necrotic core.  
Cominacini L, Garbin U, Mozzini C, Stranieri C, Pasini A, Solani E, Tinelli IA, Pasini AF. *Curr Med Chem*. 2015;22(13):1565-72.
- 14) Relationship between carotid intima-media thickness and non valvular atrial fibrillation type.  
Proietti M, Calvieri C, Malatino L, Signorelli S, Corazza GR, Perticone F, Vestri AR, Loffredo L, Davì G, Violi F, Basili S; ARAPACIS (Atrial Fibrillation Registry for Ankle-Brachial Index Prevalence Assessment-Collaborative Italian Study) STUDY Investigators. *Atherosclerosis*. 2015 Feb;238(2):350-5. doi: 10.1016/j.atherosclerosis.2014.12.022.
- 15) Endoplasmic reticulum stress and Nrf2 repression in circulating cells of type 2 diabetic patients without the recommended glycemic goals.  
Mozzini C, Garbin U, Stranieri C, Pasini A, Solani E, Tinelli IA, Cominacini L, Fratta Pasini AM. *Free Radic Res*. 2015 Mar;49(3):244-52. doi: 10.3109/10715762.2014.997229.
- 16) Short training in focused cardiac ultrasound in an Internal Medicine department: what realistic skill targets could be achieved?  
Mozzini C, Garbin U, Fratta Pasini AM, Cominacini L. *Intern Emerg Med*. 2015 Feb;10(1):73-80. doi: 10.1007/s11739-014-1167-3.
- 17) Do oxidized polyunsaturated Fatty acids affect endoplasmic reticulum stress-induced apoptosis in human carotid plaques?  
Garbin U, Stranieri C, Pasini A, Baggio E, Lipari G, Solani E, Mozzini C, Vallerio P, Cominacini L, Fratta Pasini AM. *Antioxid Redox Signal*. 2014 Aug 20;21(6):850-8. doi: 10.1089/ars.2014.5870.
- 18) Increased endoplasmic reticulum stress and Nrf2 repression in peripheral blood mononuclear cells of patients with stable coronary artery disease.  
Mozzini C, Fratta Pasini A, Garbin U, Stranieri C, Pasini A, Vallerio P, Cominacini L. *Free Radic Biol Med*. 2014 Mar;68:178-85. doi: 10.1016/j.freeradbiomed.2013.12.017.
- 19) Lysophosphatidylcholine and carotid intima-media thickness in young smokers: a role for oxidized LDL-induced expression of PBMC lipoprotein-associated phospholipase A2?  
Fratta Pasini A, Stranieri C, Pasini A, Vallerio P, Mozzini C, Solani E, Cominacini M, Cominacini L, Garbin U. *PLoS One*. 2013 Dec 17;8(12):e83092. doi: 10.1371/journal.pone.0083092.
- 20) Prevalence of peripheral artery disease by abnormal ankle-brachial index in atrial fibrillation: implications for risk and therapy.

Violi F, Daví G, Hiatt W, Lip GY, Corazza GR, Perticone F, Proietti M, Pignatelli P, Vestri AR, Basili S; ARAPACIS Study Investigators. *J Am Coll Cardiol*. 2013 Dec 10;62(23):2255-6. doi: 10.1016/j.jacc.2013.07.035.

21) Expansion of necrotic core and shedding of Mertk receptor in human carotid plaques: a role for oxidized polyunsaturated fatty acids?

Garbin U, Baggio E, Stranieri C, Pasini A, Manfro S, Mozzini C, Vallerio P, Lipari G, Merigo F, Guidi G, Cominacini L, Fratta Pasini A. *Cardiovasc Res*. 2013 Jan 1;97(1):125-33. doi: 10.1093/cvr/cvs301.

22) Serum oxidative stress-induced repression of Nrf2 and GSH depletion: a mechanism potentially involved in endothelial dysfunction of young smokers.

Fratta Pasini A, Albiero A, Stranieri C, Cominacini M, Pasini A, Mozzini C, Vallerio P, Cominacini L, Garbin U. *PLoS One*. 2012;7(1):e30291. doi: 10.1371/journal.pone.003029

23) Cigarette smoking blocks the protective expression of Nrf2/ARE pathway in peripheral mononuclear cells of young heavy smokers favouring inflammation.

Garbin U, Fratta Pasini A, Stranieri C, Cominacini M, Pasini A, Manfro S, Lugoboni F, Mozzini C, Guidi G, Faccini G, Cominacini L. *PLoS One*. 2009 Dec 9;4(12):e8225. doi: 10.1371/journal.pone.0008225.

24) Nebivolol treatment reduces serum levels of asymmetric dimethylarginine and improves endothelial dysfunction in essential hypertensive patients.

Pasini AF, Garbin U, Stranieri C, Boccioletti V, Mozzini C, Manfro S, Pasini A, Cominacini M, Cominacini L. *Am J Hypertens*. 2008 Nov;21(11):1251-7. doi: 10.1038/ajh.2008.260.

25) Effects of nebivolol on endothelial gene expression during oxidative stress in human umbilical vein endothelial cells.

Garbin U, Fratta Pasini A, Stranieri C, Manfro S, Mozzini C, Boccioletti V, Pasini A, Cominacini M, Evangelista S, Cominacini L. *Mediators Inflamm*. 2008;2008:367590. doi: 10.1155/2008/367590.

26) Evidence of major genes effects on serum homocysteine and fibrinogen levels, and premature ischemic heart disease in Italian extended families.

Grassi M, Kisialiou A, Assanelli D, Mozzini C, Archetti S, Pezzini A. *Hum Hered*. 2008;66(1):50-60. doi: 10.1159/000114165.

27) Modeling premature occurrence of acute coronary syndrome with atherogenic and thrombogenic risk factors and gene markers in extended families.

Grassi M, Assanelli D, Mozzini C, Albertini F, Salvadori G, Archetti S, Negrini R, Galeazzi G, Pezzini A. *J Thromb Haemost*. 2005 Oct;3(10):2238-44

Autorizzo il trattamento dei dati personali contenuti nel mio CV in base art. 13 del D. Lgs. 196/2003.

**Dichiarazione sostitutiva di certificazione (art. 46 e 47 D.P.R. n. 445/2000)**

Avvalendomi della facoltà concessa dall'art. 46 e 47 D.P.R. 445/2000, consapevole delle responsabilità e delle pene stabilite dalla legge per false attestazioni e mendaci dichiarazioni, sotto la mia personale responsabilità DICHIARO che i dati inseriti nel presente CV sono veritieri.

Verona (Italy), 13/02/2018

