



Europass Curriculum Vitae

Personal information

First name / Surname **Benedetta TOMBERLI, M.D - PhD**
Address Via Silvio Pellico 6, 50013, Campi Bisenzio
Florence, Italy
Telephone Mobile: +39 338 3831141
E-mail benedetta.tomberli@gmail.com
Nationality Italian
Date of birth 22 July 1983
Gender Female
Marital status Married, one daughter

Occupational field **Interventional Cardiology, Clinical and Academic Cardiology, Cardiovascular Genetics**

Work experience, Education and Training

Dates August 2013 – August 2018
Occupation or position held **Cardiology Fellowship** (completed on 7 August 2018) – 70/70 with laude
Main activities and responsibilities Clinical activity (internal medicine and cardiology)
Thesis "***Intravascular Lithotripsy: A Novel Approach to Disrupt Calcium, the Growing Challenge for the Interventional Cardiologist***"
Name and address of employer Dipartimento cardio-toraco-vascolare
Address: Azienda Ospedaliero Universitaria Careggi -
Largo Brambilla 3- Florence - 50134 - Italy
Type of business or sector Cardiology

<p><u>Clinical rotations:</u></p>	<ul style="list-style-type: none"> ➤ 1° year: internal medicine (Prof Prisco) ➤ 2° year: Cardiology HDU, cardiac surgery HDU, Echocardiography Lab, non-invasive diagnostic test (holter, stress test) ➤ 3° year: cardiac catheterization Lab (7 months), electrophysiology Lab (3 months) and intensive Cardiology Care Unit (CCU, 5 months). Night shift in Cardiology HDU, cath lab and cardio-surgery. ➤ 4° year: cardiac catheterization Lab (tutor Dr G I Baldereschi) Acquired skills and competence <ul style="list-style-type: none"> ▪ Pre and post-evaluation of patients undergoing invasive procedures ▪ Communication skills (with patients and their families) ▪ Interpretation of coronary and peripheral angiography (respectively n°700 and n° 160) ▪ Diagnostic coronary angiography (n° 250 as 1 operator) ▪ Central venous catheter placement (femoral): n° 30 ▪ Radial and femoral (retrograde and antegrade) access placement: respectively n° 500 and n° 200 ▪ PTA: including carotid, renal, aorto-iliac, femoro-popliteal, below the knee (n° 10 as 1 operator; n° 160 as second operator) ▪ PTCA in the acute and chronic setting: <ul style="list-style-type: none"> ○ cardiac arrest, cardiogenic shock (n° 10 as second operator) ○ STEMI (n° 15 as 1 operator; n° 40 as second operator) ○ NSTEMI and stable angina (n° 40 as 1 operator; n° 200 as second operator) ▪ Structural interventions: transcatheter aortic valve implantations, aortic valvuloplasty, mitraclip intervention (n° 15 as second operator) ▪ Right heart catheterizations (n° 5 as 1 operator; n° 10 as second operator) ▪ Inferior vena cava filter placement and removal (n° 5 as second operator) ▪ Intra-aortic balloon pump placement (n° 20 as second operator) ▪ Temporary pacemaker implantation (n° 30 as second operator)
<p>Dates</p>	<p>January 2011 – December 2013</p>
<p>Position held and Title of qualification awarded</p>	<p>PhD in “Clinical Science - Cardiology”</p>
<p>Main activities and responsibilities</p>	<p><u>Research Project</u> “Genetic basis of heart failure in cardiomyopathies” <u>Dissertation</u> on “<i>Confronting the archipelago of primary myocardial diseases: from the comprehension of genetic basis, molecular mechanisms and clinical correlates to the development of novel therapeutic approaches.</i>”</p>
<p>Principal subjects/occupational skills covered</p>	<p>Clinical activities:</p> <ul style="list-style-type: none"> ○ Management of out-patients with Myocardial diseases, with focus on Hypertrophic Cardiomyopathy and Anderson Fabry disease (Cardiomyopathy Unit – tutor Dr I Olivotto). ○ Cardiac consult (in- and outpatients –ECG, inpatient triage-approach to diagnosis and management)
	<p>Academic activities:</p>

- Scientific production: study conception, Database implementation, Basic statistical analysis, paper draft writing and peer-reviewed process.
- Submission of Posters, Abstracts and oral contributions at national and international meetings (i.e ESC, ACC, SIC, ANMCO)
- Participation as a faculty member in national and international meetings (i.e SIC, ANMCO, Conoscere e curare il cuore, Symposium on Advances in cardiomyopathies)
- International Observational studies, Sub-investigator in randomized controlled clinical trials (ICH/GCP trained).

International observational studies on Fabry disease (3 ongoing protocols)

- “Fabry Registry”: an ongoing, observational database.
- “FOS: Fabry Outcome Survey” A Multicenter, Longitudinal Observational Study
- “Tuscany registry of Fabry disease”

Experience in Clinical Research (according to ICH-GCP):

- “The ATTRACT Study” (AT 1001 Therapy compared to enzyme Replacement therapy in Fabry patients with AT 1001-responsive mutations: a global Clinical Trial): phase III study, Sponsor: Amicus Therapeutics. Sub-investigator
- “Ranolazine in patients with symptomatic hypertrophic cardiomyopathy: a pilot study assessing the effects on exercise capacity, diastolic function and symptomatic status.” Sponsor: Menarini. Sub-investigator

ICH/GCP training:

- 16 January 2012: *GCP training* (Quintiles Transnational's online educational program titled Introduction to Clinical Drug Development Process: ICH/FDA Good Clinical Practice for Clinical Trial Sites)
- 19 June 2012: *GCP refreshing course* (performed using Investigator's Meeting slide deck) during RESTYLE- HCM Study initiation visit.

Last ICH GCP training obtained on July 2018

Name and address of employer	Cardiomyopathies Unit – Dipartimento Cardio-toraco-vascolare Azienda Ospedaliero - Universitaria Careggi, Florence, Largo Brambilla 3, 50134 - Italy Tutors: Prof. Franco Cecchi, Prof.ssa Rosanna Abbate, Dr. Iacopo Olivotto
Type of business or sector	Cardiology and cardiovascular genetics
Dates	August 27 – September 3, 2011
Occupation or position held	Trainee
Main activities and responsibilities	Clinical activity <ul style="list-style-type: none"> • ICU team and heart failure – heart transplantation team; heart failure clinic. Research activity <ul style="list-style-type: none"> • Work meeting to discuss ongoing and future research project
Name and address of employer	Cardiovascular Institute, Anschutz Medical Campus, Aurora – Denver University of Colorado Tutor: Prof. Luisa Mestroni
Type of business or sector	Cardiology and Cardiovascular genetic
Dates	January 2009 – December 2010
Occupation or position held	Internship
Main activities and responsibilities	Clinical activity <ul style="list-style-type: none"> • Cardiology examination, echocardiography, ECG, dynamic ECG monitoring, stress test Research activity <ul style="list-style-type: none"> • Database implementation • Basic statistical analysis • Submission of Posters and Abstracts at international meetings • Sub-Investigator in international observational studies on Fabry disease (3 ongoing protocols).

Level in national or international classification	ISCED 6																														
Dates	2003 - 2010																														
Title of qualification awarded	Medicine and surgery degree (magna cum laude) 25 October 2010																														
Principal subjects/occupational skills covered	Thesis title "Microvascular Dysfunction in Anderson-Fabry Disease"																														
Name and type of organisation providing education and training	Medical Faculty, University of Florence, Italy																														
Level in national or international classification	ISCED 5A																														
Other information	Iscrizione all'Albo professionale dei Medici chirurghi di Firenze (n. 13190, data 28 Marzo 2011) Abilitazione alla professione in data 10 Febbraio 2011																														
Dates	1997 - 2002																														
Title of qualification awarded	High School Diploma (100/100)																														
Principal subjects/occupational skills covered	Science, Mathematic, Latin, Physic, German.																														
Name and type of organisation providing education and training	Scientific High School "Leonardo da Vinci", Florence, Italy																														
Level in national or international classification	ISCED 3A																														
Personal skills and competences																															
Mother tongue	Italian																														
Other language	English																														
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>Proficient user</td> <td>C1</td> <td>Proficient user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>C1</td> <td>Independent user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Independent user
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C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Independent user																						
	(*) <i>Common European Framework of Reference for Languages</i>																														
Organisational skills and competences	Database implementation. Scientific Committee member ("Fabry, una malattia rara ma non troppo", April 2011, Florence)																														
Technical skills and competences	Transthoracic Echocardiography 2003 - 2012: voluntary work with the Florence Emergency Services (ambulance network). 1993- 2003: V° year conservatory examination (piano).																														
Computer skills and competences	Windows, Macintosh. Competences with most Microsoft Office programmes (Word, Excel, Power Point) and web surfing. Competences with SPSS																														
Publications	Publications (Peer-Reviewed Journals) <ol style="list-style-type: none"> Fornaro A, Olivotto I, Rigacci L, Ciaccheri M, Tomberli B, Ferrantini C, Coppini R, Girolami F, Mazzarotto F, Chiostrì M, Milli M, Marchionni N, Castelli G. Comparison of long-term outcome in anthracycline-related versus idiopathic dilated cardiomyopathy: a single centre experience. Eur J Heart Fail. 2018 May;20(5):898-906. Olivotto I, Camici PG, Merlini PA, Rapezzi C, Patten M, Climent V, Sinagra G, Tomberli B, et al. Efficacy of Ranolazine in Patients With Symptomatic Hypertrophic Cardiomyopathy: The 																														

- RESTYLE-HCM Randomized, Double-Blind, Placebo-Controlled Study.** *Circ Heart Fail.* 2018 Jan;11(1)
3. Girolami F, Frisso G, Benelli M, Crotti L, Iascone M, Mango R, Mazzaccara C, Pilichou K, Arbustini E, Tomberli B, Limongelli G, Basso C, Olivotto I. **Contemporary genetic testing in inherited cardiac disease: tools, ethical issues, and clinical applications.** *J Cardiovasc Med (Hagerstown).* 2018 Jan;19(1):1-11.
 4. Tomberli B, Mattesini A, Baldereschi GI, Di Mario C. **A Brief History of Coronary Artery Stents.** *Rev Esp Cardiol (Engl Ed).* 2018 May;71(5):312-319.
 5. Weessler-Snir A, Hindieh W, Gruner C, Udelson JE, Manning WJ, Olivotto I, Tomberli B, Maron BJ, Maron MS, Crean AM, Rakowski H, Chan RH. **Lack of Phenotypic Differences by Cardiovascular Magnetic Resonance Imaging in MYH7 (β -Myosin Heavy Chain)- Versus MYBPC3 (Myosin-Binding Protein C)-Related Hypertrophic Cardiomyopathy.** *Circ Cardiovasc Imaging.* 2017 Feb;10(2).
 6. Tomberli B, Cappelli F, Perfetto F, Olivotto I. **Abrupt Onset of Refractory Heart Failure Associated With Light-Chain Amyloidosis in Hypertrophic Cardiomyopathy.** *JAMA Cardiol.* 2017 Jan 1;2(1):94-97.
 7. Maron MS, Rowin EJ, Olivotto I, Casey SA, Arretini A, Tomberli B, Garberich RF, Link MS, Chan RHM, Lesser JR, Maron BJ. **Contemporary Natural History and Management of Nonobstructive Hypertrophic Cardiomyopathy.** *J Am Coll Cardiol.* 2016 Mar 29;67(12):1399-1409.
 8. Chan RH, Maron BJ, Olivotto I, Assenza GE, Haas TS, Lesser JR, Gruner C, Crean AM, Rakowski H, Rowin E, Udelson J, Lombardi M, Tomberli B, et al. **Significance of Late Gadolinium Enhancement at Right Ventricular Attachment to Ventricular Septum in Patients With Hypertrophic Cardiomyopathy.** *Am J Cardiol.* 2015 Aug 1;116(3):436-41.
 9. Olivotto I, d'Amati G, Basso C, Van Rossum A, Patten M, Emdin M, Pinto Y, Tomberli B, Camici PG, Michels M. **Defining phenotypes and disease progression in sarcomeric cardiomyopathies: contemporary role of clinical investigations.** *Cardiovasc Res.* 2015 Apr 1;105(4):409-23.
 10. Coppini R, Ho CY, Ashley E, Day S, Ferrantini C, Girolami F, Tomberli B, Bardi S, Torricelli F, Cecchi F, Mugelli A, Poggesi C, Tardiff J, Olivotto I. **Clinical phenotype and outcome of hypertrophic cardiomyopathy associated with thin-filament gene mutations.** *J Am Coll Cardiol.* 2014 Dec 23;64(24):2589-2600.
 11. Smid BE, van der Tol L, Cecchi F, Elliott PM, Hughes DA, Linthorst GE, Timmermans J, Weidemann F, West ML, Florquin S, Tomberli B, van der Wal AC, van den Bergh Weerman MA, Hollak CE. **Uncertain diagnosis of Fabry disease: consensus recommendation on diagnosis in adults with left ventricular hypertrophy and genetic variants of unknown significance.** *Int J Cardiol.* 2014 Dec 15;177(2):400-8.
 12. Girolami F, Iascone M, Tomberli B, Bardi S, Benelli M, Marseglia G, Pescucci C, Pezzoli L, Sana ME, Basso C, Marziliano N, Merlini PA, Fornaro A, Cecchi F, Torricelli F, Olivotto I. **Novel α -actinin 2 variant associated with familial hypertrophic cardiomyopathy and juvenile atrial arrhythmias: a massively parallel sequencing study.** *Circ Cardiovasc Genet.* 2014 Dec;7(6):741-50.
 13. Chan RH, Maron BJ, Olivotto I, Pencina MJ, Assenza GE, Haas T, Lesser JR, Gruner C, Crean AM, Rakowski H, Udelson JE, Rowin E, Lombardi M, Cecchi F, Tomberli B, et al. **Prognostic value of quantitative contrast-enhanced cardiovascular magnetic resonance for the evaluation of sudden death risk in patients with hypertrophic cardiomyopathy.** *Circulation.* 2014 Aug 5;130(6):484-95.
 14. Vannucchi V, Tomberli B, Zammarchi L, Fornaro A, Castelli G, Pieralli F, Berni A, Yacoub S, Bartoloni A, Olivotto I. **Chagas disease as a cause of heart failure and ventricular arrhythmias in patients long removed from endemic areas: an emerging problem in Europe.** *J Cardiovasc Med (Hagerstown).* 2015 Dec;16(12):817-23.
 15. Castelli G, Fornaro A, Ciaccheri M, Dolara A, Troiani V, Tomberli B, Olivotto I, Gensini GF. **Improving survival rates of patients with idiopathic dilated cardiomyopathy in Tuscany over 3 decades: impact of evidence-based management.** *Circ Heart Fail.* 2013 Sep 1;6(5):913-21.

16. D'Amato R, Tomberli B, Castelli G, Spoladore R, Girolami F, Fornaro A, Caldini A, Torricelli F, Camici P, Gensini GF, Cecchi F, Olivotto I. **Prognostic value of N-terminal pro-brain natriuretic Peptide in outpatients with hypertrophic cardiomyopathy.** Am J Cardiol. 2013 Oct 15;112(8):1190-6.
17. Tomberli B, Cecchi F, Sciagrà R, Berti V, Lisi F, Torricelli F, Morrone A, Castelli G, Yacoub MH, Olivotto I. **Coronary microvascular dysfunction is an early feature of cardiac involvement in patients with Anderson-Fabry disease.** Eur J Heart Fail. 2013 Dec;15(12):1363-73.
18. Olivotto I, Maron BJ, Tomberli B, Appelbaum E, Salton C, Haas TS, Gibson CM, Nistri S, Servettini E, Chan RH, Udelson JE, Lesser JR, Cecchi F, Manning WJ, Maron MS. **Obesity and its association to phenotype and clinical course in hypertrophic cardiomyopathy.** J Am Coll Cardiol. 2013 Jul 30;62(5):449-57.
19. Cecchi F, Tomberli B, Morrone A. **"Anderson-Fabry, the histrionic disease: from genetics to clinical management."** Cardiogenetics [Online], 3.1S (2013): e3.
20. Olivotto I, Tomberli B, Spoladore R, Mugelli A, Cecchi F, Camici PG. **Hypertrophic cardiomyopathy: The need for randomized trials.** Glob Cardiol Sci Pract. 2013 Nov 1;2013(3):243-8.
21. Cecchi F, Tomberli B, Olivotto I. **Clinical and molecular classification of cardiomyopathies.** Glob Cardiol Sci Pract. 2012 Jul 3;2012(1):4 Review.
22. Tomberli B, Girolami F, Coppini R, Ferrantini C, Rossi A, Cecchi F, Olivotto **[Management of refractory symptoms in hypertrophic cardiomyopathy with restrictive pathophysiology: novel perspectives for ranolazine].** G Ital Cardiol (Rome). 2012 Apr;13(4):297-303.
23. Girolami F, Bardi S, Berti L, Cecchi F, Servettini E, Tomberli B, Torricelli F, Olivotto I. **[Clinical relevance of genetic testing in hypertrophic cardiomyopathy].** Recent Prog Med. 2011 Dec;102(12):486-93.

Other publications:

Chapters in books

- Cecchi F, Tomberli B, Servettini E. *"ECG in hypertrophic cardiomyopathy"* on *Elettrocardiografia clinica deduttiva*, Pietro Delise, CESI editore, 2011
- Cecchi F, Borsini W, Tomberli B. *"La malattia di Anderson-Fabry"*. *Clinical Practice* (Bimestrale di attualità in Medicina, anno VII; p. 1-23).

Signature



"autorizzazione al trattamento dei dati personali"