

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**CURRICULUM VITAE**

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**HOSPITAL** San Giovanni Bosco  
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**EDUCATIONAL QUALIFICATIONS**

October, 1993 Laurea in Medicine and Surgery  
Università degli Studi di Torino (Italy)110/110 cum laude

November, 1993 State examination Certificate  
Università degli Studi di Torino

November, 1999 Specialization in Cardiology  
Università degli Studi di Torino (Italy)70/70

**EDUCATIONAL AND CARDIOLOGY EXPERIENCE**

From 1993 to 1998 M.D. (Cardiology) at the S. Giovanni Battista Hospital  
Università degli Studi di Torino

From 1999 to 2000 M.D. (Cardiology) at the S.Croce e Carle Hospital Cuneo  
Fellow in Invasive Cardiology

From June 2000 to September 2000 Fellow in Invasive Cardiology; Centre Cardiologique

- From March 2000 until now
- Beauregard, Marseille, France - Director: Dr. Paul Barragan M.D. (Cardiology) at the S. Giovanni Bosco. Department of Cardiology. Torino
- From 2005 until now**
- Director of Catheterization Laboratory and Interventional Cardiology Unit at San Giovanni Bosco Hospital, Torino.**
- Expertise in complex PCI, particularly in the treatment of Chronic Total Occlusion (Proctor in complex PCI with Rotational Atherectomy, Proctor in CTO IVUS-guided PCI with antegrade and retrograde approach)
- From 2010 until now**
- Active member of EURO-CTO Club**  
(Chronic Total Occlusion European experts club)
- Director of Italian Courses on Rotational Atherectomy in complex coronary lesion
  - Director of Italian Courses on Chronic Total Occlusion IVUS-guided PCI and Retrograde approach PCI
  - Faculty member and invited speaker in Italian Interventional Cardiology Society (GISE) Annual Congress and in International Meeting on Chronic total Occlusion (EURO-CTO Meeting Experts London 2012)
- From 2011**
- **Course Co-Director and Live-cases first operator in CTO-Turin Summit 2011, 2012, 2013, 2014, 2015 (International Course focused in Chronic total occlusion with Live-cases from San Giovanni Bosco-Hospital), sponsored by Terumo Europe**
  - **Proctor in complex CTO PCI with Antegrade and Retrograde approach in several Public Hospital and Interventional Cardiology Units in Italy**
  - Proctor in complex PCI with Rotational Atherectomy in several public Hospital and Interventional Cardiology Unit in Italy
  - Invited Faculty and Speaker at TOBI (total occlusion and

bifurcation interventions), Mestre

**2013**

**International Faculty and Speaker at EURO-PCR 2013 :**

- 1) IVUS-guided retrograde ostial CTO-PCI;
- 2) IVUS-guided Antegrade and Retrograde complex RCA CTO-PCI;
- 3) Rotational Atherectomy for stent ablation of severe recent underexpanded stent implantation
- 4) Emergent pericardial drainage for coronary perforation complicated by LAD perforation treated with coil embolization

**International Faculty member and Speaker at GULF-PCR JIM 2013 (Dubai, December 12-13<sup>th</sup> 2013):**

- Retrograde CTO PCI performed by double ulnar artery approach
- Managing complications in Retrograde approach

**Faculty member and invited speaker in Italian Interventional Cardiology Society (GISE) Annual Congress and in International Meeting on Chronic total occlusion (EuroCTO meeting experts Paris 2013)**

**2014**

**International Faculty member and Speaker at EURO PCR 2014:**  
Contemporary techniques for coronary CTO revascularisation: sharing experience in a global world (Tools and techniques)

**Faculty member and invited speaker in Italian Interventional Cardiology Society (GISE) Annual Congress and in International Meeting on Chronic total occlusion (EuroCTO 6<sup>th</sup> meeting experts Madrid September 2014)**

**Faculty member, Speaker (CTO GISE Intensive course) and Live case operator (from San Giovanni Bosco Cath Lab) in complex retrograde CTO case during Italian Interventional Cardiology Society (GISE) Annual Congress (Genova, 15 -17 October 2014)**

**International Faculty member and Chairman at international session at CCT 2014 (Kobe, Japan 30<sup>th</sup> October -1st November 2014)**

**2015**

**International Faculty member and commentator during CTO PCI -Live session at ASIA-PCR 2015 (Singapore, 21-23<sup>th</sup> January 2015)**

**International Faculty member, Speaker and commentator during CTO PCI -Live session at JIM 2015 (Rome, 12-14<sup>th</sup> February 2015)**

**International Faculty member and Speaker at EURO PCR 2014 (Paris, May 19<sup>th</sup>-22<sup>th</sup> 2015):**

- How to choose the right case ( Tools and techniques main session)
- Tips and tricks in complex CTO-PCI (main session)
- Complication in retrograde approach (GISE session at Euro-PCR)
- Retrograde PCI with double rendez vous technique and rotational atherectomy
- PCI in a patient with complex coronary CTO: procedure and clinical outcome during the session “ Absorbable polymer and polymer free technologies: viable solutions for unmet needs in PCI (sponsored by Alvimedica)
- **Faculty member and invited speaker in International Meeting on Chronic total occlusion (EuroCTO “Live” 7<sup>th</sup> meeting experts Istanbul 18<sup>th</sup>-19<sup>th</sup> September 2015)**
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**Director of International CTO course** with Live cases and presentations (Turin, June 10<sup>th</sup>- 11<sup>th</sup> 2015 . San Giovanni Bosco Hospital) sponsored by Volcano Europe

Invited Faculty member as Speaker on CTO –PCI in several Italian meetings

2016 **International Faculty member, Speaker : the use of IVUS in CTO PCI; two complex CTO cases** (Rome, 11-13<sup>th</sup> February 2016)

**Director of International CTO Summit 2016** with Live cases and presentations (Turin, April 14<sup>th</sup>- 15<sup>th</sup> 2016) .

## RESEARCH

1. Gaetano P., Bongioanni S., Demichelis B., Correndo L., Longo M., Imazio M., **Garbo R.**, Carini G.: Valutazione della risposta ventilatoria in pazienti con stenosi mitralica durante sforzo sub-massimale. *G Ital Cardiol*, vol 25, Suppl 1, 1995, pag. 195, P 17.
2. Checco L., **Garbo R.**, Paone C., Orzan F., Brusca A., Rosettani E.: Terapia anticoagulante vs antiaggregante dopo impianto di stent coronarici: risultati immediati e a distanza. *G Ital Cardiol*, vol 27, Suppl 1, 1997 C 185 pag. 52 .
3. **Garbo R.**, Steffenino G., Russo P. The single coronary artery. 2 clinical cases. *Ital Heart J Suppl*. 2000 Feb; 1 (2): 262-5.
4. **Garbo R**, Steffenino G, Dellavalle A, Russo P, Meinardi F. Myocardial infarction with acute thrombosis of multiple major coronary arteries: a clinical and angiographic observation in four patients. *Ital Heart J*. 2000 Dec; 1 (12): 824-31

5. Steffenino G, Ugliengo G, **Garbo R**, Regge D, Anselmetti GC, Riva L. Evidence, at intravenous contrast echocardiography, of coronary arterial supply to a metastatic cardiac tumor. *Ital Heart J*. 2002 May; 3 (5) : 335-6
6. Vallero A, Cesano G, Pozzato M, **Garbo R**, Minelli M, Quarello F, Formica M. Contrast nephropaty in cardiac procedures: no advantages with prophylactic use of N-acetylcysteine (NAC) *G Ital Nefrol*. 2002 Sep-Oct; 19 (5): 529-33
7. Varbella F, De Benedictis M., Paolillo V, Luceri S., Belli R., Scrocca I., Gastaldo D., **Garbo R**, Nannini C., Sala A., Giammaria M., Gaita F., Cont **Trattamento delle lesioni in biforcazione: esperienza policentrica Torinese con strategia graduale semplificata Emodinamica**; 2002; 30:20
8. **Garbo R**, Boccuzzi G, Sala A. Angioplastica del tronco comune distale con Taxus. *Clinical Case Collection Interventional Cardiology Paclitaxel Eluting stent*
9. G. Barrano, F Liistro, G Contegiacomo, A Cioppa, F Varbella, G Biondi Zoccai, A Desideri, F Della Rovere, **R Garbo**, SD Tommasello, C Tamburino, AR Galassi **Italian Report of Chronic Total occlusion (IRCTO). Preliminary data at end of first phase Comunicazione orale, Congresso GISE 23.9.2008**
10. Ribichini F; Tomai F; De Luca, G; Boccuzzi G; Presbitero P; Pesarini, G; Ferrero V; Ghini A; Pastori F; De Luca L; Zavalloni D; Soregaroli D; **Garbo R**; Franchi E; Marino P; Minelli, M; Vassanelli. **A multicenter, randomized study to test immunosuppressive therapy with oral prednisone for the prevention of restenosis after percutaneous coronary interventions: cortisone plus BMS or DES versus BMS alone to eliminate restenosis (CEREA-DES) - study design and rationale.** *J Cardiovasc Med (Hagerstown)*. 2009 Feb;10(2):192-9.
11. Boccuzzi G, Di Maggio L, Massara C, **Garbo R**, Savio D. **Intravascular ultrasound-guided rotational atherectomy for heavily calcified renal artery stenosis.** *J Cardiovasc Med (Hagerstown)*. 2010 Feb 24 (Epub ahead of print)
12. Boccuzzi G, Novara M, Colangelo S, Alberti A, Garbo R, **L' Aterectomia rotazionale: stato dell'arte** *Il Giornale Italiano di Cardiologia Invasiva* N. 2.2010
13. Ribichini F, Tomai F, De Luca G, Boccuzzi G, Presbitero P, Pesarini G, Ferrero, V, Ghini AS, Abukaresh R, Aurigemma C, De Luca L, Zavalloni D, Soregaroli D, Marino P, **Garbo R**, Zanolli L, Vassanelli C; CEREA-DES investigators. **Immunosuppressive therapy with oral prednisone to prevent restenosis after PCI. A multicenter randomized trial.** *Am J Med*. 2011 May;124(5):434-43.
14. Valgimigli M, Patialiakas A, Thury A, Colangelo S, Campo G, Tebaldi M, Ungi I, Tondi S, Roffi M, Menozzi A, De Cesare N, **Garbo R**, Meliga E, Testa L, Gabriel HM, Airolidi F, Ferlini M, Liistro F, Dellavalle A, Vranckx P, Briguori C **Randomized comparison of Zotarolimus-Eluting Endeavor Sprint versus bare-metal stent implantation in uncertain drug-eluting stent candidates : rationale, design, and characterization of the patient population for the Zotarolimus-**

**eluting Endeavor Sprint stent in uncertain DES candidates study.** *Am Heart Journal* 2013 Nov, 166 (5): 831-8

15. Valgimigli M, Calabro' P, Cortese B, Frigoli E, Garducci S, Rubartelli P, Ando' G, Santarelli A, Galli M, **Garbo R**, Repetto A, Ierna S, Briguori C, Limbruno U, Violini R, Gagnor A,; on behalf of the MATRIX investigators. **Scientific Foundation and Possible Implications for Practice of the Minimizing Adverse Haemorrhagic Events by Transradial Access Site and Systemic Implementation of AngioX (MATRIX) Trial.** *Journal Cardiovasc Transl Res* 2014 Feb;7 (1): 101-111
16. Sardella G, Briguori C, **Garbo R**, Romagnoli E, Pennacchi M, Donahue M, Boccuzzi G, Summaria F, Conti G, Canali E, Placentino F, Stio R, Lucisano L, Biondi-Zoccai G, Mancone M, Fedele F. **Evidence from the Resorbable-polymer stent versus Unresorbable-polymer stent Deployment for coronary Intervention: (RUDI-2) registry.** *Int J Cardiol.* 2014 Mar 15;172(2):472-5. doi: 10.1016/j.ijcard.2013.12.220. Epub 2014 Jan 8
17. Guagliumi G, Capodanno D, Saia F, Musumeci G, Tarantini G, **Garbo R**, Tumminello G, Sirbu V, Coccato M, Fineschi M, Trani C, De Benedictis M, Limbruno U, De Luca L, Niccoli G, Bezerra H, Ladich E, Costa M, Biondi Zoccai G, Virmani R; OCTAVIA Trial Investigators. **Mechanisms of atherothrombosis and vascular response to primary percutaneous coronary intervention in women versus men with acute myocardial infarction: results of the OCTAVIA study.** *JACC Cardiovasc Interv.* 2014 Sep;7(9):958-68. doi: 10.1016/j.jcin.2014.05.011. Epub 2014 Aug 13
18. Colombo A, Chieffo A, Frasheri A, **Garbo R**, Masotti-Centol M, Salvatella N, Oteo Dominguez JF, Steffanon L, Tarantini G, Presbitero P, Menozzi A, Pucci E, Mauri J, Cesana BM, Giustino G, Sardella G. **Second-generation drug-eluting stent implantation followed by 6- versus 12-month dual antiplatelet therapy: the SECURITY randomized clinical trial.** *J Am Coll Cardiol.* 2014 Nov 18-25;64(20):2086-97. doi: 10.1016/j.jacc.2014.09.008. Epub 2014 Sep 15
19. Carlino M, Magri CJ, Uretsky BF, Brilakis ES, Walsh S, Spratt JC, Hanratty C, Grantham JA, Rinfret S, Thompson CA, Lombardi WL, Galassi AR, Sianos G, Latib A, **Garbo R**, Karpaliotis D, Kandzari DE, Colombo A. **Treatment of the chronic total occlusion: a call to action for the interventional community.** *Catheter Cardiovasc Interv.* 2015 Apr;85(5):771-8. doi: 10.1002/ccd.25736. Epub 2014 Nov 22
20. Valgimigli M ; MATRIX investigators. Valgimigli M, Gagnor A, Calabrò P, Rubartelli P, Garducci S, Andò G, Santarelli A, Galli M, **Garbo R**, Bramucci E, Ierna S, Briguori C, Cortese B, Limbruno U, Violini R, Presbitero P, de Cesare N, Sganzerla P, Ausiello A, Tosi P, Sardella G, Sabate M, Brugaletta S, Saccone G, Vandoni P, Zingarelli A, Liso A, Rigattieri S, Di Lorenzo E, **Vigna C**, Palmieri C, Falcone C, De Caterina R, Caputo M, Esposito G, Lupi A, Mazzarotto P, Varbella F, Zaro T, Nazzaro M, Rao SV, van't Hof AW, Omerovic E, Uguccioni L, Tamburino C, Ferrari F, Ceravolo R, Tarantino F, Casu G, Mazzarotto P, Cremonesi A, Saia F, Guiducci V, Dellavalle A, Curello S, Mangiacapra F, Evola R, Liistro F, Creaco M, Colombo A, Perkan A, De Servi S, Fischetti D, Pucci E, Romagnoli E, Moretti C,

- Moretti L, Turturo M, Bonmassari R, Penzo C, Loi B, Mauro C, Gabrielli G, Micari A, Petronio AS, Comeglio M, Fresco C, Pasquetto G, Belloni F, Amico F. **Design and rationale for the Minimizing Adverse haemorrhagic events by TRansradial access site and systemic Implementation of angioX program.** *Am Heart J.* 2014 Dec;168(6):838-45.e6. doi: 10.1016/j.ahj.2014.08.013. Epub 2014 Sep 16
21. Valgimigli M, Patialiakas A, Thury A, McFadden E, Colangelo S, Campo G, Tebaldi M, Ungi I, Tondi S, Roffi M, Menozzi A, de Cesare N, **Garbo R**, Meliga E, Testa L, Gabriel HM, Airolidi F, Ferlini M, Liistro F, Dellavalle A, Vranckx P, Briguori C; ZEUS Investigators **Zotarolimus-eluting versus bare-metal stents in uncertain drug-eluting stent candidates.** *J Am Coll Cardiol.* 2015 Mar 3;65(8):805-15. doi: 10.1016/j.jacc.2014.11.053.
22. Galassi AR, Sianos G, Werner GS, Escaned J, Tomasello SD, Boukhris M, Castaing M, Büttner JH, Bufe A, Kalnins A, Spratt JC, **Garbo R**, Hildick-Smith D, Elhadad S, Gagnor A, Lauer B, Bryniarski L, Christiansen EH, Thuesen L, Meyer-Geßner M, Goktekin O, Carlino M, Louvard Y, Lefèvre T, Lismanis A, Gelev VL, Serra A, Marzà F, Di Mario C, Reifart N; Euro CTO Club. **Retrograde Recanalization of Chronic Total Occlusions in Europe: Procedural, In-Hospital, and Long-Term Outcomes From the Multicenter ERCTO Registry.** *J Am Coll Cardiol.* 2015 Jun 9;65(22):2388-400. doi: 10.1016/j.jacc.2015.03.566
23. Valgimigli M, Frigoli E, Leonardi S, Rothenbühler M, Gagnor A, Calabrò P, Garducci S, Rubartelli P, Briguori C, Andò G, Repetto A, Limbruno U, **Garbo R**, Sganzerla P, Russo F, Lupi A, Cortese B, Ausiello A, Ierna S, Esposito G, Presbitero P, Santarelli A, Sardella G, Varbella F, Tresoldi S, de Cesare N, Rigattieri S, Zingarelli A, Tosi P, van 't Hof A, Boccuzzi G, Omerovic E, Sabaté M, Heg D, Jüni P, Vranckx P; MATRIX Investigators. **Bivalirudin or Unfractionated Heparin in Acute Coronary Syndromes.** *N Engl J Med.* 2015 Sep 10;373(11):997-1009. doi: 10.1056/NEJMoa1507854. Epub 2015 Sep 1.
24. Tomasello SD, Boukhris M, Giubilato S, Marzà F, **Garbo R**, Contegiacomo G, Marzocchi A, Niccoli G, Gagnor A, Varbella F, Desideri A, Rubartelli P, Cioppa A, Baralis G, Galassi AR. **Management strategies in patients affected by chronic total occlusions: results from the Italian Registry of Chronic Total Occlusions.** *Eur Heart J.* 2015 Sep 2. pii: ehv450. [Epub ahead of print]
25. **Garbo R**, Gagnor A, Colombo F. **Percutaneous treatment of chronic total occlusion: state of the art and future perspectives.** *G Ital Cardiol (Rome).* 2015 Oct; 16 (10):555-64. doi 10.1714/2028.22040.Italian
26. Kawamoto H, Latib A, Ruparelina N, Boccuzzi GG, Pennacchi M, Sardella G, **Garbo R**, Meliga E, D'Ascenzo F, Moretti C, Rossi ML, Presbitero P, Ielasi A, Magri C, Nakamura S, Colombo A. **Planned versus provisional rotational atherectomy for severe calcified coronary lesions: Insights From the ROTATE multi-center registry.** *Catheter Cardiovasc Interv.* 2016 Jan 17. doi: 10.1002/ccd.26411. [Epub ahead of print]

27. Sardella G, Lucisano L, **Garbo R**, Pennacchi M, Cavallo E, Stio RE, Calcagno S, Ugo F, Boccuzzi G, Fedele F, Mancone M. **Single-Staged Compared With Multi-Staged PCI in Multivessel NSTEMI Patients: The SMILE Trial.** *J Am Coll Cardiol.* 2016 Jan 26;67(3):264-72. doi: 10.1016/j.jacc.2015.10.082.
28. Tarantini G, Nai Fovino L, Tellaroli P, Chieffo A, Barioli A, Menozzi A, Frasher A, **Garbo R**, Masotti-Centol M, Salvatella N, Dominguez JF, Steffanon L, Presbitero P, Pucci E, Fraccaro C, Mauri J, Giustino G, Sardella G, Colombo A. **Optimal duration of dual antiplatelet therapy after second-generation drug-eluting stent implantation in patients with diabetes: The SECURITY (Second-Generation Drug-Eluting Stent Implantation Followed By Six- Versus Twelve-Month Dual Antiplatelet Therapy)-diabetes substudy.** *Int J Cardiol.* 2016 Mar 15;207:168-76. doi: 10.1016/j.ijcard.2016.01.068. Epub 2016 Jan 11.
29. Bernelli C, Shimamura K, Komukai K, Capodanno D, Saia F, **Garbo R**, Burzotta F, Sirbu V, Coccato M, Campo G, Vignali L, Yamamoto H, Niccoli G, Ladich E, Biondi-Zoccai G, Guagliumi G. **Impact of Culprit Plaque and Atherothrombotic Components on Incomplete Stent Apposition in Patients With ST-Elevation Myocardial Infarction Treated With Everolimus-Eluting Stents- An OCTAVIA Substudy.** *Circ J.* 2016 Mar 25;80(4):895-905. doi: 10.1253/circj.CJ-15-1140. Epub 2016 Feb 8
30. Porto I, Vergallo R, Sangiorgi GM, Burzotta F, **Garbo R**, D'Amario D, Trani C, Rebuffi AG, Crea F. **DESolve novolimus-eluting bioresorbable coronary scaffold failure assessed by frequency-domain optical coherence tomography imaging.** *Coron Artery Dis.* 2016 Jun;27(4):334-6. doi: 10.1097/MCA.0000000000000350.
31. Ariotti S, Adamo M, Costa F, Patialiakas A, Briguori C, Thury A, Colangelo S, Campo G, Tebaldi M, Ungi I, Tondi S, Roffi M, Menozzi A, de Cesare N, **Garbo R**, Meliga E, Testa L, Gabriel HM, Ferlini M, Vranckx P, Valgimigli M; ZEUS Investigators. **Is Bare-Metal Stent Implantation Still Justifiable in High Bleeding Risk Patients Undergoing Percutaneous Coronary Intervention?: A Pre-Specified Analysis From the ZEUS Trial.** *JACC Cardiovasc Interv.* 2016 Mar 14;9(5):426-36. doi: 10.1016/j.jcin.2015.11.015
32. Iannaccone M, Barbero U, D'ascenzo F, Latib A, Pennacchi M, Rossi ML, Ugo F, Meliga E, Kawamoto H, Moretti C, Ielasi A, **Garbo R**, Colombo A, Sardella G, Boccuzzi GG. **Rotational atherectomy in very long lesions: Results for the ROTATE registry.** *Catheter Cardiovasc Interv.* 2016 Apr 16. doi: 10.1002/ccd.26548. [Epub ahead of print]



**MEMBERSHIP:**

**Member of EURO-CTO Club (Chronic Total Occlusion European experts club)**

Member of GISE (Società Italiana di Cardiologia Invasiva)

Member of European Association of Percutaneous Cardiovascular Interventions (EAPCI)

International SCAI (Society for Cardiovascular Angiography and Interventions) Associate

**LANGUAGES KNOWN:** English, French

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Attendance to clinical study in coronary artery disease: TRANSFORM-OCT as Principal Investigator (2014), MATRIX as Principal-Investigator (2012), PARTECIPATE Registry (2012) as Principal Investigator, SMILE Trial as Principal Investigator, OCTAVIA as Principal-Investigator (2011), ZEUS-Study as co-Investigator (2011), SECURITY as Principal-Investigator (2010), EXECUTIVE REGISTRY as Co-investigator (2008), IRCTO as Principal investigator (2008), MULTISTRATEGY as Co-Investigator (2007), CEREAS-DES as Co-Investigator (2007),

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**Roberto Garbo, MD**