

PAOLO BORETTO



Medical Doctor, Cardiologist
OMCeO Cuneo 04707
Born in Savigliano (CN) - Italy, 14/05/1992

LANGUAGE SKILLS

	Speaking	Writing
ITALIAN	Native	Native
ENGLISH	B2	B2
FRANCAIS	B2	B2

WORK EXPERIENCE

08/11/2022 – now **Cardiologist – Cardiac Intensive Care Unit and Cardiology Unit**
A.O.U. Città della Salute e della Scienza University Hospital – Turin
Division of Cardiology

EDUCATION

2022 **Specialty in Cardiovascular Disease – Cardiology**

University of Turin - Italy

November 2022. Degree vote: 70/70 *cum laude*

During the last three years as Resident in Cardiology has acquired the following skills:

Cardiological skills

- Autonomous in Advanced Cardiovascular Life Support (ACLS).
- Autonomous in obtaining a central (jugular and femoral) venous access and radial arterial access.
- Basic experience in acute cardiovascular care in Cardiology Intensive Care Unit.
- Performed more than 500 transthoracic echocardiograms and more than 100 transesophageal echocardiograms. Autonomous in performing stress echocardiography, trans-cranic echocardiography and lung ultrasound examination.
- Able to perform TEE support during percutaneous interventions such as PFO closure and LAA closure with senior cardiologist supervision.
- Autonomous in performing exercise ECG test.



- Autonomous in interpreting SPECT imaging, able to interpret cardiac magnetic resonance imaging and coronary CT.
- Able to deal with Swan-Ganz catheter, Intra-Aortic Balloon Pump and Impella devices.
- Able to perform right heart catheterization and diagnostic coronary angiography with supervision.
- Autonomous in Pacemaker and ICD programming.
- Participation as assistant in more than 50 transcatheter ablation procedures, electrophysiological studies and more than 30 pacemaker / ICD implantations.

Statistical and Clinical Research skills

- Good knowledge of biomedical statistics and able to collaborate in writing a scientific paper.
- Good knowledge of SPSS and R statistics software.

Scientific Interests

- Clinical research in Advanced Heart Failure, Ventricular Assist Device and Heart Transplantation.
- Percutaneous Mitral and Tricuspid Valve Interventions.
- Imaging in Heart Failure.

2017

University of Torino Medical School

University of Turin - Italy

Degree with 110/110 *cum laude* and honorable mention.

Thesis: "Identification of novel circulating micro-RNAs in advanced heart failure by next generation sequencing".



2011

High school graduation in bilingual Scientific College

Liceo "G.B. Bodoni", Saluzzo – Italy

Langueges: English and French. Graduation: 100/100

INTERNATIONAL EXPERIENCES

2022

Cardiology Fellow at Pitié Salpêtrière – Paris



Pr Gilles Montalescot – Cardiology departement

Cardiac Intensive Care Unit

May – November 2022

2017

Cardiology Stage in Hôpital Lariboisière – Paris



Erasmus Traineeship+ program with prof. Alain Cohen-Solal

August – September 2017

Clinical activity in Cardiology Intensive Care Unit and Echocardiography Lab

PERSONAL INTERESTS

Love mountains and mountain sports: MTB, skiing, and hiking. Amateur tennis player.

Guitar player – acoustic guitar.

All around keen reader and enthusiastic to learn.

PUBLICATIONS

- 1) Frea S, Crimi G, Gaemperli O, Pidello S, Raineri C, D'Ascenzo F, Crescio V, **Boretto P**, Gritti V, Giordana F, Magrini G, Rettegno S, Gazzoli F, Rabajoli A, Montefusco A, Ferrario M, La Torre MW, D'Amico M, Rinaldi M, Ruschitzka F, Oltrona Visconti L. Improving Selection of Mitraclip Candidates in Advanced Chronic Heart Failure: Look Right to Predict Right. *J Card Fail.* 2019 Apr;25(4):312-313.
- 2) Frea S, Pidello S, **Boretto P**, Rettegno S, Giordana F, Montefusco A, D'Amico M, La Torre M, Rinaldi M, De Ferrari GM. Disproportionate functional mitral regurgitation predicts a favourable response after MitraClip implant in patients with advanced heart failure. Real-world evidence of a new conceptual framework. *Int J Cardiol.* 2021 Jan 15;323:208-212
- 3) Galluzzo A, Frea S, **Boretto P**, Pidello S, Volpe A, Canavosio FG, Golzio PG, Bergerone S, De Ferrari GM. Spot urinary sodium in acute decompensation of advanced heart failure and dilutional hyponatremia: insights from DRAIN trial. *Clin Res Cardiol.* 2020 Oct;109(10):1251-1259.
- 4) Galluzzo A, Gallo S, Pardini B, Birolo G, Fariselli P, **Boretto P**, Vitacolonna A, Peraldo-Neia C, Spilinga M, Volpe A, Celentani D, Pidello S, Bonzano A, Matullo G, Giustetto C, Bergerone S, Crepaldi T. Identification of novel circulating microRNAs in advanced heart failure by next-generation sequencing. *ESC Heart Fail.* 2021 Aug;8(4):2907-2919.
- 5) **Boretto P**, Depaoli A, Conrotto F, Omedè P, De Filippo O, Serafini A, Strazzarino GA, Fonio P, De Ferrari GM, D'Ascenzo F. "Pressure Pressing Down on Me": Importance of Intracoronary Physiology and Inotropic Challenge for Myocardial Bridge. *JACC Cardiovasc Interv.* 2021 Jul 12;14(13):e157-e159.
- 6) **Boretto P**, Vairo A, Cusenza V, Alunni G, Frea S, Pidello S, Lodo V, D'Ascenzo F, Orzan F, De Ferrari GM, Montefusco A. Another Brick in the Wall: Percutaneous Balloon Valvuloplasty for Flow-Limiting Mitral Stenosis in Patient With LVAD. *JACC Cardiovasc Interv.* 2021 Jul 7:S1936-8798(21)00837-2.
- 7) De Filippo O, Di Franco A, **Boretto P**, Bruno F, Cusenza V, Desalvo P, Demetres M, Saglietto A, Franchin L, Piroli F, Marengo G, Elia E, Falk V, Conrotto F, Doenst T, Rinaldi M, De Ferrari GM, D'Ascenzo F, Gaudino M. Percutaneous coronary intervention versus coronary artery surgery for left main disease according to lesion site: a meta-analysis. *J Thorac Cardiovasc Surg.* 2021 Aug 21;S0022-5223(21)01238-1.
- 8) Bellettini M; Frea S; Pidello S; Boffini M; **Boretto P**; Gallone G; Bongiovanni F; Masetti M; Sabatino M; Raineri C; Pacini D; Martin Suarez S; Loforte A; Rinaldi M; Potena L; De Ferrari GM. Pre-transplant right ventricular dysfunction is associated with increased mortality after heart transplantation: a hard inheritance to overcome. *J Card Fail.* 2022 Feb;28(2):259-269.

- 9) Kheifets M, Angelini F, D'Ascenzo F, Pidello S, Engelstein H, Bocchino PP, **Boretto P**, Frea S, Levi A, Vaknin-Assa H, Vaturi M, Shapira Y, Kornowski R, Perl L. Outcomes of Transcatheter Edge-to-Edge Repair in Degenerative vs. Functional Mitral Regurgitation. *J Clin Med*. 2022 Oct 12;11(20):6010.
- 10) Frea S, **Boretto P**, Galluzzo A. Urinary pH assessment in patients with acute heart failure and resistance to diuretics: a step forward to a precision medicine approach in the treatment of acute heart failure. *Pol Arch Intern Med*. 2021 Oct 27;131(10):16093.
- 11) Adamo M, Pagnesi M, Ghizzoni G, Estévez-Loureiro R, Raposeiras-Roubin S, Tomasoni D, Stolfo D, Sinagra G, Popolo Rubbio A, Bedogni F, De Marco F, Giannini C, Petronio AS, Stazzoni L, Benito-González T, Fernández-Vázquez F, Garrote-Coloma C, Godino C, Agricola E, Munafò A, Pascual I, Avanzas P, León V, Montefusco A, **Boretto P**, Pidello S, Moñivas-Palomero V, Del Trigo M, Biagini E, Berardini A, Saia F, Nombela-Franco L, Tirado-Conte G, De Augustin A, Caneiro-Queija B, De Luca A, Branca L, Zacccone G, Lupi L, Lipsic E, Voors A, Metra M. Evolution of tricuspid regurgitation after transcatheter edge-to-edge mitral valve repair for secondary mitral regurgitation and its impact on mortality. *Eur J Heart Fail*. 2022 Nov;24(11):2175-2184.
- 12) Adamo M, Inciardi RM, Tomasoni D, Dallapellegrina L, Estévez-Loureiro R, Stolfo D, Lupi L, Pancaldi E, Popolo Rubbio A, Giannini C, Benito-González T, Fernández-Vázquez F, Caneiro-Queija B, Godino C, Munafò A, Pascual I, Avanzas P, Frea S, **Boretto P**, Moñivas Palomero V, Del Trigo M, Biagini E, Berardini A, Nombela-Franco L, Jimenez-Quevedo P, Lipsic E, Saia F, Petronio AS, Bedogni F, Sinagra G, Guazzi M, Voors A, Metra M. Changes in Right Ventricular-to-Pulmonary Artery Coupling After Transcatheter Edge-to-Edge Repair in Secondary Mitral Regurgitation. *JACC Cardiovasc Imaging*. 2022 Dec;15(12):2038-2047.