

# Curriculum vitae

## Edoardo Elia, M.D.

### VITAL STATISTICS:

**Date of birth:** March 2nd 1993

**Place of birth:** Genoa (Italy)

**Citizenship:** Italian

**Cell phone:** [REDACTED]

**Identification number:** [REDACTED]

**E-mail:** [REDACTED]

### PREVIOUS AND CURRENT POSITIONS:

**07/2023-ongoing:** Interventional and Clinical Cardiologist at Division of Cardiology, Ss. Antonio e Biagio e Cesare Arrigo Hospital, Alessandria, Italy.

### EDUCATION AND TRAINING:

**02/2023-07/2023:** Interventional Cardiology Fellow at Cardiac Catheterization Laboratory of Clinical and Interventional Cardiology Department, IRCCS Policlinico San Donato, Milan, Italy (Supervisor Prof. F. Bedogni).

**11/2021-10/2023:** Cardiology Residency at University of Genoa. Training at:

- Cardiac Intensive Care Unit and Cardiac Catheterization Laboratory of Cardiovascular Unit of San Martino Hospital (Supervisor Prof. I. Porto)
- Cardiac Catheterization Laboratory of Clinical and Interventional Cardiology Department, IRCCS Policlinico San Donato, Milan, Italy (Supervisor Prof. F. Bedogni).

**11/2019-10/2021:** Cardiology Residency at University of Turin. Training at:

- Cardiovascular Unit of Molinette Hospital (Supervisors Prof. G.M. De Ferrari and Prof F. D'Ascenzo).

- Cardiac Catheterization Laboratory of Maria Vittoria Hospital Cath Lab (Supervisor Dr. A. Gagnor)

- Cardiovascular Unit of Mauriziano Hospital (Supervisor Dr. G. Musumeci).

**05/2017-11/2019:** **Research Fellow**, Inflammation and Cardiovascular Disease Laboratory, Internal Medicine Department of University of Genoa. Supervisor: Prof. F. Montecucco.

#### **TITLES AND LICENSE:**

**11/2023** **Cardiologist Degree** (60/60 cum laude) at University of Genoa. Thesis title: “Complex percutaneous coronary intervention in patients with severe aortic stenosis undergoing bioprosthetic transcatheter aortic valve implantation: preliminary data from the ASCOP registry”. Thesis coordinator Prof. I. Porto, Thesis Advisor Dr. F. Bedogni.

**02/2019:** **Italian Medical License** (270/270).

**10/2012-07/2018:** **M.D.** (110/110 cum laude) at University of Genoa. Thesis title: “Impact of appropriate and inappropriate ICD shock on patients in primary and secondary prevention”. Thesis coordinator Prof. C. Brunelli, thesis advisor Prof. M. Canepa.

During Medical School clinical observerships in Internal Medicine and General Surgery Department in Switzerland (Ticino).

#### **CITATION METRICS:**

**Scopus** (as of December 10th, 2023):

- Published documents: 31.
- H-index: 11

#### **SCIENTIFIC PUBLICATION:**

- 1) Bruno F, Kang J, **Elia E**, Han JK, De Filippo O, Yang HM, Gallone G, Park KW, De Luca L, K HJ, Quadri G, Gwon HG, Chun WJ, Giannino G, Hur SH, Han SH, Truffa A, Bin Song Y, Cortese B, Chol KH, Chieffo A, H SJ, Di Pietro G, Doh JH, Wanha W, Nam CW, Kim HS, Mattesini A, De Ferrari GM, Koo BK, D’Ascenzo F. Impact of diabetes on long-term

- outcomes of bifurcation percutaneous coronary intervention. An analysis from the BIFURCAT registry. Catheter Cardiovasc Interv. 2022.
- 2) Bruno F, Marengo G, De Filippo O, Wanha W, Leonardi S, Raposeiras Roubin S, Fabris E, Popovic M, Giannino G, Truffa S, Huczek Z, Gaibazzi N, Ielasi A, Cortese B, Borin A, Núñez-Gil IJ, Melis D, Ugo F, Bianco M, Barbieri L, Marchin F, Desperak P, Montaldo C, Melendo-Viu M, **Elia E**, Mancone M, Buono A, Ferrandez-Escarabajal M, Morici N, Scaglione M, Tuttolomondo D, Sardella G, Gasior M, Mazurek M, Gallone G, Campo G, Wojakowski W, Abu-Assi E, Sinagra G, De Ferrari GM, D'Ascenzo F. Impact of Complete Revascularization on Development of Heart Failure in Patients With Acute Coronary Syndrome and Multivessel Disease: A Subanalysis of the CORALYS Registry. Journal of the American Heart Association 2023
  - 3) Marengo G, **Elia E**, Bruno F, Franchin L, Piroli F, De Filippo O, Conrotto F, De Ferrari GM, D'Ascenzo F. Durability of transcatheter aortic valves, current evidence and future prospective. Vessel Plus 2021
  - 4) Carbone F, **Elia E**, Casula M, Bonaventura A, Bertolotto M, Minetti S, Artom N, Camici GG, Contini P, Pontremoli R, Viazzi F, Bertolini S, Pende A, Pisciotta L, Montecucco F, Liberale L. Among biomarkers of neutrophil activity, matrix metalloproteinases 8 independently predicts remission of metabolic syndrome. Nutrition, Metabolism and Cardiovascular Diseases
  - 5) Bruno F, **Elia E**, D'Ascenzo F, Marengo G, Deharo P, Kaneko T, Culsset T, Fauchier L, De Filippo O, Gallone G, Andreis A, Fortuni F, Salizzoni S, La Torre M, Rinaldi M, De Ferrari GM, Conrotto F. Valve-in-valve transcatheter aortic valve replacement or re-surgical aortic valve replacement in degenerated bioprostheses: A systematic review and meta-analysis of short and midterm results. Catheter Cardiovasc Interv. 2022.
  - 6) Cremonini AL, Pasta A, Carbone F, Visconti L, Casula M, **Elia E**, Bonaventura A, Liberale L, Bertolotto M, Artom N, Minetti S, Contini P, Verzola D, Pontremoli R, Viazzi F, Viviani GL, Bertolini S, Pende A, Montecucco F, Pisciotta L. Lipoprotein(a) Modulates Carotid Atherosclerosis in Metabolic Syndrome. Frontiers in Molecular Biosciences 2022.
  - 7) Millesimo M, **Elia E**, Marengo G, De Filippo O, Raposeiras-Roubin S, Wañha W, Abu-Assi E, Kinnaird T, Ariza-Solé A, Liebetrau C, Manzano-Fernández S, Iannaccone M, Henriques JPS, Templin C, Wilton SB, Velicki L, Xanthopoulou I, Correia L, Cerrato E, Rognoni A, Nuñez-Gil I, Song X, Kawaji T, Quadri G, Huczek Z, Paz RC, Juanatey JRG, Nie SP, Kawashiri M, Dominguez-Rodriguez A, Conrotto F, D'Ascenzo F, De Ferrari GM. Antithrombotic Strategy in Secondary Prevention for High-Risk Patients with Previous Acute Coronary Syndrome: Overlap between the PEGASUS Eligibility and the COMPASS

- Eligibility in a Large Multicenter Registry. American Journal of Cardiovascular Drugs. 2022.
- 8) D'Ascenzo F, **Elia E**, de Filippo O, Manai R, Breviario S, Bruno F, Iannaccone M, Wańha W, Bianco M, Patti G, Raposeiras-Roubin S, Abu-Assi E, Bo M, De Ferrari GM, Conrotto F. Net clinical benefit of different strategies of dual antiplatelet therapy in elderly patients: Data from the PRAISE registry. Int J Cardiol. 2022
  - 9) Patti G, D'Ascenzo F, De Filippo O, Bruno F, Leonardi S, Chieffo A, Iannaccone M, Liebetrau C, Manzano-Fernández S, Gallone G, Omedè P, Cerrato E, Kinnaird T, Conrotto F, Piroli F, Henriques JPS, Wańha W, **Elia E**, Dominguez-Rodriguez A, Raposeiras-Roubin S, Abu-Assi E, De Ferrari GM. Safety and efficacy of different P2Y12 inhibitors in patients with acute coronary syndromes stratified by the PRAISE risk score: a multi-center study. Eur Heart J Qual Care Clin Outcomes. 2022.
  - 10) **Elia E**, Iannaccone M, D'Ascenzo F, Gallone G, Colombo F, Albani S, Attisani M, Rinaldi M, Boccuzzi G, Conrotto F, Noussan P, De Ferrari GM. Short term outcomes of Impella circulatory support for high-risk percutaneous coronary intervention a systematic review and meta-analysis. Catheter Cardiovasc Interv. 2022.
  - 11) Carbone F, Ministrini S, Bonaventura A, Vecchié A, Minetti S, Bardi N, **Elia E**, Ansaldo AM, Ferrara D, Rijavec E, Dal Bello MG, Biello F, Rossi G, Tagliamento M, Alama A, Coco S, Spallarossa P, Grossi F, Genova C, Montecucco F. Serum levels of VCAM-1 are associated with survival in patients treated with nivolumab for NSCLC. Eur J Clin Invest. 2022
  - 12) D'Ascenzo F, **Elia E**, Marengo G, Wańha W, Ferreiro RG, Truffa A, Trabattoni D, Figini F, Verardi R, Palma GD, Infusino F, Pivato C, Ochała A, Omedè P, Milewski M, Estevez R, Roubin SR, Filippo O, Conrotto F, Montefusco A, Gili S, Cortese B, Dusi V, Gallone G, Manfredi R, Mancone M, Zoccai GB, Casella G, Templin C, Stefanini G, Wojakowski W, Sheiban I, Ferrari GM. Long-term ( $\geq 15$  years) Follow-up of Percutaneous Coronary Intervention of Unprotected Left Main (From the GRAVITY Registry). Am J Cardiol. 2021
  - 13) Carbone F, Ciaula AD, Pagano S, Minetti S, Ansaldo AM, Ferrara D, Belfiore A, **Elia E**, Pugliese S, Ostilio Palmieri V, Montecucco F, Vuilleumier N, Portincasa P. Anti-ApoA-1 IgGs predict resistance to waist circumference reduction after Mediterranean diet. Eur J Clin Invest. 2021.
  - 14) D'Ascenzo F, De Filippo O, **Elia E**, Doronzo MP, Omedè P, Montefusco A, Pennone M, Salizzoni S, Conrotto F, Gallone G, Angelini F, Franchin L, Bruno F, Boffini M, Gaudino M, Rinaldi M, De Ferrari GM. Percutaneous vs. surgical revascularization for patients with

- unprotected left main stenosis: a meta-analysis of 5-year follow-up randomized controlled trials. Eur Heart J Qual Care Clin Outcomes. 2021.
- 15) **Elia E**, Ministrini S, Carbone F, Montecucco F. Diabetic cardiomyopathy and inflammation: development of hostile microenvironment resulting in cardiac damage. Minerva Cardioangiol. 2021.
- 16) Gallone G, **Elia E**, Bruno F, Angelini F, Franchin L, Bocchino PP, Piroli F, Annone U, Montabone A, Marengo G, Bertaina M, De Filippo O, Baldetti L, Palmisano A, Serafini A, Esposito A, Depaoli A, D'ascenzo F, Fonio P, De Ferrari GM. Impact of lipid-lowering therapies on cardiovascular outcomes according to coronary artery calcium score. A systematic review and meta-analysis. Rev Esp Cardiol (Engl Ed). 2021
- 17) Caserza L, Casula M, **Elia E**, Bonaventura A, Liberale L, Bertolotto M, Artom N, Minetti S, Contini P, Verzola D, Pontremoli R, Viazzi F, Viviani GL, Bertolini S, Pende A, Pisciotta L, Montecucco F, Carbone F. Serum osteopontin predicts glycaemic profile improvement in metabolic syndrome: A pilot study. Eur J Clin Invest. 2021.
- 18) Vecchié A, Bonaventura A, Meessen J, Novelli D, Minetti S, **Elia E**, Ferrara D, Ansaldo AM, Scaravilli V, Villa S, Ferla L, Caironi P, Latini R, Carbone F, Montecucco F. PCSK9 is associated with mortality in patients with septic shock: data from the ALBIOS study. J Intern Med. 2021.
- 19) 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.
- 20) Saglietto A, Manfredi R, **Elia E**, D'Ascenzo F, DE Ferrari GM, Biondi-Zoccai G, Munzel T. Cardiovascular disease burden: Italian and global perspectives. Minerva Cardiol Angiol. 2021
- 21) Masini M, **Elia E**, Vianello PF, Bertero G, Rossi P, Ameri P, Chiarella F, Brunelli C, Porto I, Sartori P, Canepa M. Frequency, predictors and prognostic impact of implantable cardioverter defibrillator shocks in a primary prevention population with heart failure and reduced ejection fraction. J Cardiovasc Med (Hagerstown). 2021
- 22) Bruno F, D'Ascenzo F, Vaira MP, **Elia E**, Omedè P, Kodali S, Barbanti M, Rodès-Cabau J, Husser O, Sossalla S, Van Mieghem NM, Bax J, Hildick-Smith D, Munoz-Garcia A, Pollari F, Fischlein T, Budano C, Montefusco A, Gallone G, De Filippo O, Rinaldi M, la Torre M, Salizzoni S, Atzeni F, Pocar M, Conrotto F, De Ferrari GM. Predictors of pacemaker implantation after transcatheter aortic valve implantation according to kind of prosthesis and

- risk profile: a systematic review and contemporary meta-analysis. Eur Heart J Qual Care Clin Outcomes. 2021.
- 23) Bonaventura A, Carbone F, Vecchié A, Meessen J, Ferraris S, Beck E, Keim R, Minetti S, **Elia E**, Ferrara D, Ansaldo AM, Novelli D, Caironi P, Latini R, Montecucco F. The role of resistin and myeloperoxidase in severe sepsis and septic shock: Results from the ALBIOS trial. Eur J Clin Invest. 2020.
- 24) Bonaventura A, Grossi F, Carbone F, Vecchié A, Minetti S, Bardi N, **Elia E**, Ansaldo AM, Ferrara D, Rijavec E, Dal Bello MG, Rossi G, Biello F, Tagliamento M, Alama A, Coco S, Spallarossa P, Dallegri F, Genova C, Montecucco F. Resistin is associated with overall survival in non-small cell lung cancer patients during nivolumab treatment. Clin Transl Oncol. 2020
- 25) Carbone F, Bonaventura A, Vecchié A, Meessen J, Minetti S, **Elia E**, Ferrara D, Ansaldo AM, Tulli G, Guarducci D, Rossi N, Bona F, Ferrari M, Caironi P, Latini R, Montecucco F. Early osteopontin levels predict mortality in patients with septic shock. Eur J Intern Med. 2020
- 26) Carbone F, Lattanzio MS, Minetti S, Ansaldo AM, Ferrara D, Molina-Molina E, Belfiore A, **Elia E**, Pugliese S, Palmieri VO, Montecucco F, Portincasa P. Circulating CRP Levels Are Associated with Epicardial and Visceral Fat Depots in Women with Metabolic Syndrome Criteria. Int J Mol Sci. 2019
- 27) Carbone F, Grossi F, Bonaventura A, Vecchié A, Minetti S, Bardi N, **Elia E**, Ansaldo AM, Ferrara D, Rijavec E, Dal Bello MG, Biello F, Rossi G, Tagliamento M, Alama A, Coco S, Spallarossa P, Dallegri F, Genova C, Montecucco F. Baseline serum levels of osteopontin predict clinical response to treatment with nivolumab in patients with non-small cell lung cancer. Clin Exp Metastasis. 2019.
- 28) Bonaventura A, Grossi F, Carbone F, Vecchié A, Minetti S, Bardi N, **Elia E**, Ansaldo AM, Ferrara D, Rijavec E, Dal Bello MG, Rossi G, Biello F, Tagliamento M, Alama A, Coco S, Spallarossa P, Dallegri F, Genova C, Montecucco F. Serum PCSK9 levels at the second nivolumab cycle predict overall survival in elderly patients with NSCLC: a pilot study. Cancer Immunol Immunother. 2019.
- 29) Carbone F, **Elia E**, Casula M, Bonaventura A, Liberale L, Bertolotto M, Artom N, Minetti S, Dallegri F, Contini P, Verzola D, Pontremoli R, Viazzi F, Viviani GL, Bertolini S, Pende A, Pisciotta L, Montecucco F. Baseline hs-CRP predicts hypertension remission in metabolic syndrome. Eur J Clin Invest. 2019
- 30) **Elia E**, Montecucco F, Portincasa P, Sahebkar A, Mollazadeh H, Carbone F. Update on pathological platelet activation in coronary thrombosis. J. Cell Physiol. 2019

**Languages:**

- **Italian:** Mother tongue
- **English:** Reading Skills: Excellent  
Writing Skills: Excellent  
Verbal Skills: Good

Alessandria, December 10<sup>th</sup> 2023.

Edoardo Elia, M.D.

A handwritten signature in black ink, appearing to read "Edoardo Elia". The signature is written in a cursive, flowing style.