

INFORMAZIONI PERSONALI

Prof. Emanuele Barbato, MD, PhD, FESC



📍 Indirizzo professionale:
Via Pansini n. 5, 80131 Napoli (Italy)

✉ emanuele.barbato@unina.it



POSIZIONE

Professore Ordinario di Cardiologia
Dipartimento di Scienze Biomediche Avanzate, Università di Napoli Federico II
Responsabile Programma Infradipartimentale di Emergenze Cardiovascolari
DAI di Emergenze Cardiovascolari, Medicina Clinica e dell'Invecchiamento, AOU Federico II

ATTIVITA' ASSISTENZIALE

Dirigente Medico a tempo pieno (29/11/2007-30/5/2014) (6 anni, 6 mesi)
Dipartimento di Cardiologia – Ospedale OLV, Aalst (Belgio)
(Attività assistenziale svolta prevalentemente presso il laboratorio di Emodinamica, con turnazioni presso l'Unità di Terapia Intensiva Coronarica e ambulatoriale)

Dirigente Medico a tempo indeterminato (1/1/2006-31/12/2006) (12 mesi)
UO Emodinamica – Azienda Ospedaliera Sant'Anna e San Sebastiano, Caserta
(Attività assistenziale svolta prevalentemente presso il laboratorio di Emodinamica, con partecipazione attiva ai turni di guardia e reperibilità per il programma di angioplastiche primarie)

Dirigente Medico a tempo indeterminato (1/5/2005-31/12/2005) (6 mesi)
UO Cardiologia – P.O di Teano, ASL Caserta/1
(Attività assistenziale svolta prevalentemente nel reparto di degenza ordinaria, ambulatorio e pronto soccorso)

Consulente Cardiologo con contratto LP (1/7/2004 – 30/4/2005) (10 mesi)
UOC di Cardiologia - Ospedale Sant'Andrea Università La Sapienza, Roma
(Attività assistenziale svolta prevalentemente nel laboratorio di Emodinamica, con turni di guardia in Unità di Terapia Intensiva Coronarica e reparto di degenza ordinaria)

Dirigente Medico a tempo pieno fuori ruolo (2/5/2003 – 30/6/2004) (13 mesi)
UOC di Cardiologia - Ospedale S. Cuore di Gesù Fatebenefratelli, Benevento
(Attività assistenziale svolta prevalentemente nel laboratorio di Emodinamica, con turnazioni in Unità di Terapia Intensiva Coronarica, reparto di degenza ordinaria e ambulatorio di cardiologia)

Clinical research fellowship in cardiologia interventistica (2001-2003) (2 anni)
Centro di Ricerche Cardiovascolari Ospedale OLV, Aalst, Belgium
(Procedure effettuate: oltre 500 PCI, oltre 800 procedure diagnostiche invasive, circa 30 procedure di chiusura di difetti interatriali e forami ovali pervi, circa 20 biopsie miocardiche e 15 pericardiocentesi)

Specializzando di Cardiologia (1997-2001) (4 anni)
Il Facoltà di Medicina e Chirurgia, Università di Napoli Federico II

FORMAZIONE

Dottorato di Ricerca in Fisiopatologia Cardiovascolare

Università Tor Vergata, Roma

Clinical Research Fellowship in Cardiologia Interventistica

Centro di Ricerche Cardiovascolari Ospedale OLV, Aalst, Belgium

Specializzazione in Cardiologia (70/70 con lode)

Università di Napoli Federico II

Research Fellowship di breve durata Cardiologia Molecolare

Duke University Medical Center, NC, US

Laurea in Medicina e Chirurgia (110/110 con lode)

Università di Napoli Federico II

ABILITA' PERSONALI

Lingua madre Italiano

Altre lingue

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Dutch	C1	C1	C1	C1	B1
French	B1	B1	A2	A2	A1

 Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

ATTIVITA' DIDATTICA

- (2017) ASN come Professore di Prima Fascia di Cardiologia (06/D1)
- (2017) ASN come Professore di Prima Fascia di Medicina Interna (06/B1)
- (2017) ASN come Professore di Prima Fascia di Scienze delle Professioni Sanitarie e delle Tecnologie Mediche Applicate (06/N1)
- Direttore e Docente dei Corsi per il trattamento delle lesioni coronariche altamente calcifiche (Rotablator Courses, Boston Scientific)
- Direttore e Docente dei Corsi per l'imaging intracoronarico con Tomografia Ottica Coerente (OCT courses, Abbott Vascular)
- Docente dei Corsi di fisiopatologia coronarica (FFR courses, Abbott Vascular)
- Coordinatore e Docente di diversi PCR Seminars
- Membro del "Clinical Practice Guidelines" della Società Europea di Cardiologia (2016-2018)
- Docente di Cardiologia presso il Corso di Laurea in Medicina e Chirurgia in lingua Italiana ed in lingua inglese, presso il Corso di Laurea di primo livello in Tecniche di Fisiopatologia Cardiovascolare, presso la Scuola di Specializzazione di Cardiologia dell'Università di Napoli Federico II
- Coordinatore del Dottorato di Ricerca Internazionale in "Cardiovascular Pathophysiology and Therapeutics" (www.cardiopath.eu) dell'Università di Napoli Federico II
- (2012) ASN come Professore di Seconda Fascia di Cardiologia (06/D1)

- Professore a contratto presso la Scuola di Specializzazione in Cardiologia della II Facoltà di Medicina e Chirurgia dell'Università "La Sapienza" di Roma– Direttore Prof. M. Volpe
- Professore a contratto per attività di ricerca presso la II Facoltà di Medicina e Chirurgia dell'Università "La Sapienza" di Roma
- Coordinatore per il Belgio della piattaforma ESC learning (2013-2014)

ATTIVITA' EDITORIALE

-
- European Heart Journal (Membro Internazionale dell'Editorial Board e Revisore)
 - Journal of Cardiovascular Medicine (Editore Associato e Revisore)
 - Journal of Cardiovascular Translational Research (Editore Associato e Revisore)
 - PCR online (Editore Associato)
 - Journal of the American College of Cardiology (Revisore)
 - JACC Cardiovascular Interventions (Revisore)
 - American Journal of Cardiology (Revisore)
 - Hypertension (Revisore)
 - Circulation Cardiovascular Interventions (Revisore)
 - International Journal of Cardiology (Membro dell'Editorial Board e Revisore)

SOCIETA' SCIENTIFICHE

-
- Membro di European Association of Percutaneous Coronary Intervention
 - Membro della Società Italiana di Cardiologia
 - Membro della Società Italiana di Cardiologia Invasiva (SICI-GISE)
 - Membro della Società Belga di Cardiologia
 - 2011-2016: Membro del Comitato per il programma scientifico di EAPCI (European Association of Percutaneous Coronary Intervention)
 - 2014-2016: Co-chair del Comitato per le Società Cardiache Nazionali dell'EAPCI
 - 2013 -: Membro del Direttivo del Working Group Belga di Cardiologia Invasiva (BWGIC)
 - 2016 -: Membro del Comitato per il programma scientifico della Società Italiana di Cardiologia Invasiva (SICI-GISE)
 - 2011 -: Membro del Comitato del programma scientifico del PCR (Percutaneous Coronary Revascularization)
 - 2016-2018: Chair del Comitato per le Società Cardiache Nazionali dell'EAPCI
 - 2018 -: Segretario eletto nel Comitato Direttivo dell'EAPCI

ATTIVITA' DI RICERCA

-
- 2008-2014: Direttore della Ricerca Clinica del Centro di Ricerche Cardiovascolari Aalst, (Belgio)
 - Medcor trial (Principal Investigator)
 - FAME II trial (Membro dello Steering Committee)
 - Century II trial (Membro dello Steering Committee)
 - FP7: Prestige registry (partecipante all'interno del network dell'Università Cattolica di Lovanio)
 - Compare Absorb trial (Membro dello Steering Committee)
 - OPTI-STEMI trial (Principal Investigator): PRIN 2017PZY5K7
 - Finanziamento MIUR: euro 565.558

MEMBRO DATA SAFETY
MONITORING COMMITTEE

-
- Sadra Lotus Valve First-in-man study
 - Apposition II trial
 - Confirm trial

MEMBRO CRITICAL EVENT
COMMITTEE

- Pioneer trial

- FAME trial
- E-Select registry
- Sadra Lotus Valve "First-in-man" study
- Presillion trial
- Apposition II trial
- Source XT registry

PREMI E RICONOSCIMENTI

- Cavaliere dell'Ordine della Stella d'Italia
- Premio William W. Parmley per giovani ricercatori dell'American College of Cardiology
- Premio William Harvey della Società Italiana di Cardiologia
- Fellow della Società Europea di Cardiologia
- Scholar in Cardiology della Società Europea di Cardiologia

RELAZIONI SU INVITO E
MODERAZIONI

- 6th Wroclaw Rotablator Meeting (Wroclaw, Poland- 2018):
 - Moderatore e Relatore su invito
- European Bifurcation Club (Porto, Portugal 2017):
 - Relatore su invito
- Serbian Conference on Interventional Cardiology and Cardiovascular Imaging (Belgrade, Serbia – 2017):
 - Relatore su invito
- European Society of Cardiology (Barcelona, Spain - 2017):
 - Moderatore
- EuroPCR (Paris, France - 2017):
 - Moderatore e Relatore su invito
- EAPCI Summit (Nice, France - 2017):
 - Lettura: Training and practicing Interventional Cardiology in Europe: ready for a systematic and structured data collection
- TCT meeting (Washington, US - 2016):
 - Lettura: FFR in the setting of CABG and AS/AVR/TAVR
- EACTS meeting (Barcelona, Spain – 2016):
 - Lettura: Is the angiogram enough? The role of fractional flow reserve guided revascularisation in coronary artery bypass graft
- European Society of Cardiology (Rome, Italy - 2016):
 - Moderatore
- EAPCI fellows course (Nice, France - 2016):
 - Moderatore e Relatore su invito
- EuroPCR meeting (Paris, France - 2016):
 - Moderatore e Relatore su invito
- Coronary Physiology in the Catheterization Laboratory (10th Edition)(Nice, France – 2016):
 - Moderatore e Relatore su invito
- 6èmes Journées Nationales du GACI (French Society of Interventional Cardiology)(Paris, France – 2016)

- Lettura: Pourquoi je veux implanter un stent biorésorbable?
European Society of Cardiology (London, UK - 2015):
- Moderatore e Relatore su invito
- EAPCI fellows course (Nice, France - 2015):
- Moderatore e Relatore su invito
- EuroPCR meeting (Paris, France – 2015):
- Moderatore e Relatore su invito
- Coronary Physiology in the Catheterization Laboratory (9th Edition)(Nice, France - 2015):
- Moderatore e Relatore su invito
- AsiaPCR meeting (Singapore - 2015):
- Moderatore e Relatore su invito
- European Society of Cardiology (Barcelona, Spain – 2014):
- Lettura: Fractional flow reserve in complex coronary lesions
- EuroPCR meeting (Paris, France - 2014):
- Moderatore e Relatore su invito
- Coronary microcirculation and heart disease: an international summit (Madrid, Spain - 2014):
- Relatore su invito
- Italian Society of Cardiology (Rome, Italy – 2013):
- Lettura: "CMR: all in one"
- Cardiometabolic Risk and Vascular Diseases – Meeting of ESC WG on Peripheral Circulation (Rome, Italy – 2013)
- Lettura: "Coronary stent choice"
- European Society of Cardiology (Amsterdam, The Netherlands – 2013):
- Lettura: "Fractional Flow Reserve in stable and unstable patients: same level of evidence?"
- Lettura: "Use of coronary angiography in patients with stable ischemic heart disease"
- Moderatore di sessione di poster
- Coronary Physiology in the Cathlab (Catanzaro, Italy – 2013):
- Lettura: "FFR in specific angiographic settings"
- Lettura: "No, intracoronary is an excellent alternative!"
- EuroPCR (Paris, France – 2013):
- Lettura: "Clinical relevance of coronary chronic total occlusion"
- Moderatore della sessione "CTO: set up your strategy to achieve success while keeping it simple"
- Moderatore della sessione "Complex cardiovascular interventions and new techniques"
- Moderatore della sessione "All you need to know about treatment of CTO"
- Moderatore della sessione "Treatment of coronary CTO: Japan meets Europe"
- Moderatore della sessione "Left main and complex bifurcation stenting"
- Moderatore della sessione "Learning the technique: Rotational atherectomy"
- Coronary Physiology in the Cathlab (Nice, France – 2013) – Meeting of ESC WG on Coronary Pathophysiology and Microcirculation
- Lettura: "Role of invasive imaging: IVUS, OCT"
- Lettura: "Pitfalls with pressure measurements"
- Moderatore della sessione "The diagnosis of ischemic heart disease"
- Moderatore della sessione "FFR in clinical practice"
- Italian Society of Cardiology (Rome, Italy – 2012):

- Lettura William Harvey: "From anatomy to function: a paradigm shift in myocardial revascularization strategies"
- Lettura: "Identificazione non-invasiva delle placche vulnerabili"
FFR workshop (Budapest, Hungary – 2012):
- Lettura William Harvey: "How I approach the patient with angina"
- Lettura: "Concept and practical set-up of CFR, FFR and IMR"
European Society of Cardiology (Munich, Germany – 2012):
- Lettura: "Technical aspects and clinical indication of FFR"
- Lettura: "FFR should be performed in all patients with Multivessel Disease"
EuroPCR (Paris, France – 2012):
- Moderatore della sessione "TNT: treatment of left main and multivessel disease"
- Moderatore della sessione LTT "How to succeed with complex PCI"
Rome Cardiology Forum (Rome, Italy – 2012):
- Lettura: "The challenge of chronic total occlusion"
- 6th European Interventional Cardiology Fellows Course (London, UK – 2011):
- Lettura: "When and how to do and interpret FFR measurement"
EuroPCR (Paris, France – 2011):
- Lettura: "Which patients may be considered for hybrid procedures"
- Moderatore della sessione LTT "How to select material and equipment for PCI"
- Moderatore della sessione "Coronary CTO: current techniques"
Coronary Physiology in the Cathlab (Nice, France – 2011) – Meeting of ESC WG on Coronary Pathophysiology and Microcirculation
- Lettura: "Hyperemic stimuli"
- Moderatore della sessione "The diagnosis of coronary atherosclerosis"
European Society of Cardiology (Paris, France – 2011):
- Lettura: "FFR: focus on ACS"
- Moderatore della sessione "New applications of functional lesion assessment"
Italian Society of Cardiology (Rome, Italy – 2010):
- Lettura: "Clinical implication of platelet endothelium interaction"
- Lettura: "Treatment of diabetic patient with NSTEMI ACS"
- 5th European Interventional Cardiology Fellows Course (London, UK – 2010):
- Lettura: "When and how to do and interpret FFR measurement"
EuroPCR (Paris, France – 2010):
- Lettura: "Technical approach for PCI in left main – case presentation"
- Moderatore della sessione LTT "TNT: the best option for left main and multivessel disease coronary revascularization"
European Society of Cardiology (Paris, France – 2010):
- Lettura: "Which stable patient really needs intervention?"
South Africa Heart Congress (Sun City, South Africa – 2009):
- Lettura: "Assessing non-culprit stenoses in the setting of primary PCI"
- Lettura: "Integration of the FAME, Courage and Syntax trials"
- 4th European Interventional Cardiology Fellows Course (London, UK – 2009):
- Lettura: "Physiological assessment"
European Society of Cardiology (Barcelona, Spain – 2009):

- Lettura: "How can intracoronary pressure management help?"

French Society of Cardiology (Paris, France – 2008):

- Lettura: "Early invasive strategy is the best approach of NSTEMI-ACS: against"

ARTICOLI IN GIORNALI PEER-
REVIEWED

1. Authors/Task Force Members, Aboyans V, Björck M, Brodmann M, Collet JP, Czerny M, De Carlo M, Naylor AR, Roffi M, Tendera M, Vlachopoulos C, Ricco JB; Task Force for the 2017 ESC Guidelines for the diagnosis and management of Peripheral Arterial Diseases, in collaboration with the ESVS, Document Reviewers, Widimsky P, Kolh P, Dick F, de Ceniga MV, Piepoli MF, Sievert H, Sulzenko J, Esc Committee For Practice Guidelines Cpg, Windecker S, Aboyans V, Agewall S, **Barbato E**, Bueno H, Coca A, Collet JP, Coman IM, Dean V, Delgado V, Fitzsimons D, Gaemperli O, Hindricks G, Iung B, Jüni P, Katus HA, Knuuti J, Lancellotti P, Leclercq C, McDonagh T, Piepoli MF, Ponikowski P, Richter DJ, Roffi M, Shlyakhto E, Simpson IA, Zamorano JL. Questions and Answers on Diagnosis and Management of Patients with Peripheral Arterial Diseases: A Companion Document of the 2017 ESC Guidelines for the Diagnosis and Treatment of Peripheral Arterial Diseases, in collaboration with the European Society for Vascular Surgery (ESVS). *Eur J Vasc Endovasc Surg.* 2018 Apr;55(4):457-464.
2. Di Serafino L, Bartunek J, Heyndrickx G, Dierickx K, Scognamiglio G, Tesorio T, De Bruyne B, Trimarco B, Wijns W, **Barbato E**. Macrophage migration inhibitory factor (MIF) is associated with degree of collateralization in patients with totally occluded coronary arteries. *Int J Cardiol.* 2018 Jul 1;262:14-19.
3. Rossini R, Tarantini G, Musumeci G, Masiero G, **Barbato E**, Calabrò P, Capodanno D, Leonardi S, Lettino M, Limbruno U, Menozzi A, Marchese UOA, Saia F, Valgimigli M, Agno W, Falanga A, Corcione A, Locatelli A, Montorsi M, Piazza D, Stella A, Bozzani A, Parolari A, Carone R, Angiolillo DJ; Italian Society of Interventional Cardiology (SICI-GISE); Italian Society for the Study of Haemostasis and Thrombosis (SISST); Italian Society of Anesthesia and Intensive Care Medicine(SIAARTI); Italian Society of Surgery (SIC); Italian Society for Cardiac Surgery (SICCH); Italian Society of Vascular and Endovascular Surgery (SICVE); Italian Society of Urology (SIU); Italian Orthopaedic Society (SIOT); Italian Society of Thoracic Surgeons (SICT); Italian Federation of Scientific Societies of Digestive System Diseases (FISMAD); Italian Society of Digestive Endoscopy (SIED); Italian Association of Hospital Gastroenterology and Digestive Endoscopy (AIGO); Italian Association of Gastroenterology and Digestive Endoscopy (SIGE); Italian Society of Maxillofacial Surgery (SICMF); Italian Society of Reconstructive Plastic Surgery and Aesthetics (SICPRE); Italian Society of Gynecology and Obstetrics (SIGO); Italian Society of Neurosurgery (SINCh); Italian Association of Hospital Pulmonologist (AIPO); Italian Society of Periodontology (SIdP); Italian Society of Ophthalmology (SOI); Italian Association of Hospital Otorhinolaryngologist(AOOI); Italian Association of Hospital Surgeons (ACOI); Association of Obstetricians Gynecologists Italian Hospital (AOGOI). A Multidisciplinary Approach on the Perioperative Antithrombotic Management of Patients With Coronary Stents Undergoing Surgery: Surgery After Stenting 2. *JACC Cardiovasc Interv.* 2018 Mar 12;11(5):417-434.
4. Elias J, van Dongen IM, Råmunddal T, Laanmets P, Eriksen E, Meuwissen M, Michels HR, Bax M, Ioanes D, Suttrop MJ, Strauss BH, **Barbato E**, Marques KM, Claessen BEPM, Hirsch A, van der Schaaf RJ, Tijssen JGP, Henriques JPS, Hoebbers LP; EXPLORE investigators. Long-term impact of chronic total occlusion recanalisation in patients with ST-elevation myocardial infarction. *Heart.* 2018 Feb 20. pii: heartjnl-2017-312698.
5. Mangiacapra F, Colaiori I, Ricottini E, Creta A, Di Gioia G, Cavallari I, Bressi E, Capuano M, **Barbato E**, Di Sciacio G. Impact of platelet reactivity on 5-year clinical outcomes following percutaneous coronary intervention: a landmark analysis. *J Thromb Thrombolysis.* 2018 May;45(4):496-503.
6. Mo Y, Penicka M, Di Gioia G, **Barbato E**, Ondrus T, Vanderheyden M, De Bruyne B, Bartunek J, Van Camp G. Resolving Apparent Inconsistencies Between Area, Flow, and Gradient Measurements in Patients With Aortic Valve Stenosis and Preserved Left Ventricular Ejection Fraction. *Am J Cardiol.* 2018 Mar 15;121(6):751-757.
7. Van't Veer M, Pijls NHJ, Hennigan B, Watkins S, Ali ZA, De Bruyne B, Zimmermann FM, van Nunen LX, **Barbato E**, Berry C, Oldroyd KG. Comparison of Different Diastolic Resting Indexes to iFR: Are They All Equal? *J Am Coll Cardiol.* 2017 Dec 26;70(25):3088-3096.
8. Strisciuglio T, **Barbato E**, De Biase C, Di Gioia G, Cotugno M, Stanzione R, Trimarco B, Sciarretta S, Volpe M, Wijns W, Delrue L, Rubattu S. T2238C Atrial Natriuretic Peptide Gene Variant and the Response to Antiplatelet Therapy in Stable Ischemic Heart Disease Patients. *J*

- Cardiovasc Transl Res. 2018 Feb;11(1):36-41.
9. Falk V, Baumgartner H, Bax JJ, De Bonis M, Hamm C, Holm PJ, Iung B, Lancellotti P, Lansac E, Muñoz DR, Rosenhek R, Sjögren J, Tornos Mas P, Vahanian A, Walther T, Wendler O, Windecker S, Zamorano JL, Roffi M, Alfieri O, Agewall S, Ahlsson A, **Barbato E**, Bueno H, Collet JP, Coman IM, Czerny M, Delgado V, Fitzsimons D, Folliguet T, Gaemperli O, Habib G, Harringer W, Haude M, Hindricks G, Katus HA, Knuuti J, Kolh P, Leclercq C, McDonagh TA, Piepoli MF, Pierard LA, Ponikowski P, Rosano GMC, Ruschitzka F, Shlyakhto E, Simpson IA, Sousa-Uva M, Stepinska J, Tarantini G, Tchétché D, Aboyans V. Corrigendum to '2017 ESC/EACTS Guidelines for the management of valvular heart disease' [Eur J Cardiothorac Surg 2017;52:616-664]. Eur J Cardiothorac Surg. 2017 Oct 1;52(4):832.
 10. Maeremans J, Kayaert P, Bataille Y, Bennett J, Ungureanu C, Haine S, Vandendriessche T, Sonck J, Scott B, Coussement P, Dendooven D, Pereira B, Frambach P, Janssens L, Debruyne P, Van Mieghem C, **Barbato E**, Cornelis K, Stammen F, De Vroey F, Vercauteren S, Drieghe B, Aminian A, Debrauwere J, Carlier S, Coosemans M, Van Reet B, Vandergoten P, Dens JA; (On behalf of the BWGCTO Investigators). Assessing the landscape of percutaneous coronary chronic total occlusion treatment in Belgium and Luxembourg: the Belgian Working Group on Chronic Total Occlusions (BWGCTO) registry. Acta Cardiol. 2017 Nov 28:1-10.
 11. Ciccarelli G, **Barbato E**, Toth GG, Gahl B, Xaplanteris P, Fournier S, Milkas A, Bartunek J, Vanderheyden M, Pijls N, Tonino P, Fearon WF, Jüni P, De Bruyne B. Angiography Versus Hemodynamics to Predict the Natural History of Coronary Stenoses: Fractional Flow Reserve Versus Angiography in Multivessel Evaluation 2 Substudy. Circulation. 2018 Apr 3;137(14):1475-1485.
 12. Heyse A, Milkas A, Van Durme F, **Barbato E**, Lazaros G, Vanderheyden M, Bartunek J. Pitfalls in coronary artery stenosis assessment in takotsubo syndrome: The role of microvascular dysfunction. Hellenic J Cardiol. 2017 Nov 13. pii: S1109-9666(17)30439-6.
 13. Fearon WF, Nishi T, De Bruyne B, Boothroyd DB, **Barbato E**, Tonino P, Jüni P, Pijls NHJ, Hlatky MA; FAME 2 Trial Investigators. Clinical Outcomes and Cost-Effectiveness of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease: Three-Year Follow-Up of the FAME 2 Trial (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation). Circulation. 2018 Jan 30;137(5):480-487.
 14. Pyxaras SA, Adriaenssens T, **Barbato E**, Ughi GJ, Di Serafino L, De Vroey F, Toth G, Tu S, Reiber JHC, Bax JJ, Wijns W. In-stent fractional flow reserve variations and related optical coherence tomography findings: the FFR-OCT co-registration study. Int J Cardiovasc Imaging. 2018 Apr;34(4):495-502.
 15. Maeremans J, Verhaert D, Pereira B, Frambach P, Van Mieghem C, **Barbato E**, Willems E, Vrolix M, Dens J. One-year clinical and computed tomography follow-up after implantation of bioresorbable vascular scaffolds in patients with coronary chronic total occlusions. Catheter Cardiovasc Interv. 2017 Oct 25.
 16. Kobayashi Y, Johnson NP, Zimmermann FM, Witt N, Berry C, Jeremias A, Koo BK, Esposito G, Rioufol G, Park SJ, Nishi T, Choi DH, Oldroyd KG, **Barbato E**, Pijls NHJ, De Bruyne B, Fearon WF; CONTRAST Study Investigators. Agreement of the Resting Distal to Aortic Coronary Pressure With the Instantaneous Wave-Free Ratio. J Am Coll Cardiol. 2017 Oct 24;70(17):2105-2113.
 17. Mo Y, Van Camp G, Di Gioia G, **Barbato E**, Ondrus T, Casselman F, Vanderheyden M, De Bruyne B, Bartunek J, Penicka M. Aortic valve replacement improves survival in severe aortic stenosis with gradient-area mismatch. Eur J Cardiothorac Surg. 2018 Mar 1;53(3):569-575.
 18. Piroth Z, Toth GG, Tonino PAL, **Barbato E**, Aghlmandi S, Curzen N, Rioufol G, Pijls NHJ, Fearon WF, Jüni P, De Bruyne B. Response by Piroth et al to Letter Regarding Article, "Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation". Circ Cardiovasc Interv. 2017 Oct;10(10). pii: e005973.
 19. Strisciuglio T, Di Gioia G, Chatzikyriakou S, Silva Garcia E, **Barbato E**, Geelen P, De Potter T. Left atrial volume computed by 3D rotational angiography best predicts atrial fibrillation recurrence after circumferential pulmonary vein isolation. Int J Cardiovasc Imaging. 2018 Mar;34(3):337-342.
 20. **Barbato E**, De Bruyne B. [Fractional flow reserve to establish the indication for and guide myocardial revascularization]. G Ital Cardiol (Rome). 2017 Sep;18(9 Suppl 1):9S-10S.
 21. **Barbato E**, Shlofmitz E, Milkas A, Shlofmitz R, Azzalini L, Colombo A. State of the art: evolving concepts in the treatment of heavily calcified and undilatable coronary stenoses - from debulking to plaque modification, a 40-year-long journey. EuroIntervention. 2017 Aug 25;13(6):696-705.
 22. Piroth Z, Toth GG, Tonino PAL, **Barbato E**, Aghlmandi S, Curzen N, Rioufol G, Pijls NHJ, Fearon WF, Jüni P, De Bruyne B. Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation. Circ Cardiovasc Interv. 2017 Aug;10(8). pii: e005233.
 23. Pellicano M, Floré V, Ferrara A, Adjedj J, **Barbato E**, Wijns W. Edge effect after intracoronary

- beta radiation brachytherapy and bare metal stent implantation: the pathway for very late stent failure. *Minerva Cardioangiol.* 2018 Feb;66(1):126-127.
24. Mangiacapra F, Sticchi A, **Barbato E**. Thrombus aspiration in primary percutaneous coronary intervention: still a valid option with improved technique in selected patients! *Cardiovasc Diagn Ther.* 2017 Jun;7(Suppl 2):S110-S114.
 25. Adjedj J, Xaplanteris P, Toth G, Ferrara A, Pellicano M, Ciccarelli G, Floré V, **Barbato E**, De Bruyne B. Visual and Quantitative Assessment of Coronary Stenoses at Angiography Versus Fractional Flow Reserve: The Impact of Risk Factors. *Circ Cardiovasc Imaging.* 2017 Jul;10(7). pii: e006243.
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CONFERENCE E SEMINARI

- Course Director of the "13th Rotablator workshop" (Aalst, Belgium – 2018)
- Course Director of the "13th and 14th OCT workshop" (Aalst/Leuven, Belgium – 2017)
- Course Director of the "11th and 12th Rotablator workshop" (Aalst, Belgium – 2017)
- Course Director of the "10th, 11th and 12th OCT workshop" (Aalst/Leuven, Belgium – 2016)
- Course Director of the "9th and 10th Rotablator workshop" (Aalst, Belgium – 2016)
- Course Director of the "8th and 9th OCT workshop" (Aalst/Leuven, Belgium – 2015)
- Course Director of the "Fourth Joint Cardiology Seminar at Academia Belgica" (Rome, Italy – 2015)
-
- Course Director of the "7th and 8th Rotablator workshop" (Aalst, Belgium – 2015)
- Course Director of the "6th and 7th OCT workshop" (Aalst/Leuven, Belgium – 2014)
- Course Director of the "5th and 6th Rotablator workshop" (Aalst, Belgium – 2014)
- Course Director of the "Third Joint Cardiology Seminar at Academia Belgica" (Rome, Italy – 2013)
- Course co-Director of the "Coronary Physiology in the Cathlab" (Catanzaro, Italy – 2013)
- Course Director of the "4th and 5th OCT workshop" (Leuven, Belgium – 2013)
- Course Director of the "4th Rotablator workshop" (Aalst, Belgium – 2013)
- Course Director of the "CTO workshop" (Aalst, Belgium - 2013)
- Course Director of the "Second Joint Cardiology Seminar at Academia Belgica" (Rome, Italy – 2012)
- Course Director of the "3rd Rotablator workshop" (Aalst, Belgium – 2012)
- Course Director of the "3rd OCT workshop" (Aalst, Belgium – 2012)
- Course Director of the "2nd OCT workshop" (Leuven, Belgium – 2012)
- Course Director of the "2nd Rotablator workshop" (Aalst, Belgium – 2011)
- Course Director of the "1st OCT workshop" (Aalst, Belgium – 2012)
- Course Director of the "First Joint Cardiology Seminar at Academia Belgica" (Rome, Italy – 2010)

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Autorizzo il trattamento dei dati personali ai sensi del Decreto legislativo 196/03 e s.m.i. in materia di privacy.

Autocertificazione ai sensi degli artt. 46, 47 e 76 del D.P.R. n. 445/2000

Io sottoscritto EMANUELE BARBATO, nato a TEVEROLA (CE) il 09/04/1972 e residente in TEVEROLA (CE), consapevole delle conseguenze penali derivanti da dichiarazioni false e mendaci, come disposto dall'art. 76 del D.P.R. n. 445/2000, attesto che tutto quanto riportato nel curriculum corrisponde a verità.

NAPOLI, 21/11/2019