

EMANUELE BARBATO

Curriculum Vitae

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Parte I – Informazioni generali

Nome e Cognome	EMANUELE BARBATO
Lingue parlate	Italiano, Inglese, Olandese, Francese

Part II – Studi

- 1997: Laurea in Medicina e Chirurgia (110/110 con lode), Università degli Studi di Napoli Federico II
- 2001: Specializzazione in Cardiologia (70/70 con lode), Università degli Studi di Napoli Federico II
- 2006: Dottorato di Ricerca in Fisiopatologia Cardiovascolare, Università Tor Vergata di Roma

Part III – Esperienze Professionali

IIIA – Carriera Accademica

- 2013: Incarico di Professore a Contratto per attività di ricerca presso la Cattedra di Cardiologia della Facoltà di Medicina e Psicologia, Università di Roma La Sapienza
- 2014: Professore Associato di Malattie dell'Apparato Cardiovascolare (SC 06/D1, SSD MED/11) presso il Dipartimento di Scienze Biomediche Avanzate, Università degli Studi di Napoli Federico II
- 2017: Conseguimento dell'abilitazione scientifica nazionale come Professore di Prima Fascia di Cardiologia (SC 06/D1)(2017-2023)
- 2017: Conseguimento dell'abilitazione scientifica nazionale come Professore di Prima Fascia di Medicina Interna (SC 06/B1)(2017-2023)
- 2017: Conseguimento dell'abilitazione scientifica nazionale come Professore di Prima Fascia di Professioni Sanitarie e Tecnologie Mediche Applicate (SC 06/N1)(2017-2023)
- 2018 – ad oggi: Professore Ordinario di Malattie dell'Apparato Cardiovascolare (SC 06/D1, SSD MED/11) presso il Dipartimento di Scienze Biomediche Avanzate, Università degli Studi di Napoli Federico II

IIIB – Esperienza clinica in ambito cardiologico presso strutture riconosciute dal SSN o presso centri esteri qualificati

- 2003: Dirigente Medico di I Livello presso l'UOC di Cardiologia dell'Ospedale Fatebenefratelli di Benevento
- 2004: Consulente Cardiologo presso l'UOC di Cardiologia dell'Ospedale Sant'Andrea di Roma con attività assistenziale svolta prevalentemente nel laboratorio di Emodinamica, con turni di guardia in Unità di Terapia Intensiva Coronarica e reparto di degenza ordinaria.

- 2005: Dirigente Medico di I Livello presso UO di Cardiologia dell'ASL Caserta 1 e UOC di Emodinamica dell'Ospedale San Sebastiano di Caserta.
- 2007: Dirigente Medico Cardiologo (staff member) presso il Dipartimento di Cardiologia del Centro di Ricerche Cardiovascolari Ospedale OLV di Aalst (Belgio) con attività assistenziale svolta prevalentemente presso il laboratorio di Emodinamica, con turnazione presso l'Unità di Terapia Intensiva Coronarica e ambulatoriale. Si segnala il coordinamento del programma di cardiologia interventistica coronarica per procedure complesse (rotablator, occlusioni croniche, pazienti ad alto rischio, etc.), nonché l'effettuazione di procedure interventistiche di cardiopatia strutturale come primo operatore (TAVI, chiusura di PFO/ASD/LAA, etc.).
- 2018: Responsabile del Programma Infradipartimentale di I fascia in Gestione delle Emergenze Cardiovascolari presso il Dipartimento Assistenziale Integrato di Emergenze Cardiovascolari, Medicina Clinica e dell'Invecchiamento dell'AOU Federico II. Si segnala la responsabilità dell'attività assistenziale dell'Unità di Terapia Intensiva Coronarica (UTIC), nonché l'effettuazione di procedure di interventistica coronarica nell'ambito del programma di emergenze cardiovascolari.
- Novembre 2020 – ad oggi: Attività di ricerca clinica presso il Cardiovascular Center Aalst OLV Hospital VZW, Aalst (Belgio).

IIIC – Periodi di ricerca all'estero in centri qualificati

- 1998: Research Fellowship di breve durata in Cardiologia Molecolare presso la Duke University Medical Center, NC, US
- 2001: Clinical Research Fellowship in Cardiologia Interventistica, Centro di Ricerche Cardiovascolari OLV Hospital, Aalst, Belgium (gennaio 2001 - gennaio 2003)
- 2017: Incarico di didattica e ricerca presso il Centro di Ricerche Cardiovascolari OLV Hospital, Aalst, Belgium (dicembre 2016 - novembre 2017)
- 2018: Incarico di didattica e ricerca presso Centro di Ricerche Cardiovascolari OLV Hospital, Aalst, Belgium (aprile 2018 - marzo 2019)
- 2020: Incarico di didattica e ricerca Centro di Ricerche Cardiovascolari OLV Hospital, Aalst, Belgium (novembre 2020 – ad oggi)

IIID – Attività gestionali, organizzative e di servizio in ambito accademico

- Responsabile della Scheda Unica Annuale (2014-2015) per la Ricerca Dipartimentale per il Dipartimento di Scienze Biomediche Avanzate dell'Università degli Studi di Napoli Federico II
- Responsabile della Valutazione della Qualità della Ricerca (VQR) per il Dipartimento di Scienze Biomediche Avanzate (VQR 2011-2014 e 2015-2019) dell'Università degli Studi di Napoli Federico II

- Membro del Comitato Ordinatore del CDS in Medicina e Chirurgia in lingua inglese dell'Università degli Studi di Napoli Federico II (dal 2015 ad oggi) dell'Università degli Studi di Napoli Federico II
- Componente del Consiglio della Scuola di Medicina e Chirurgia dell'Università degli Studi di Napoli Federico II (dal 2020 ad oggi)
- Membro e Presidente di Commissione di diverse procedure di reclutamento per RTDA, RTDB e PA in diversi Atenei
- Membro e Presidente della Commissione ASN 2021-2023 per il SC 06/D1

Part IV – Attività Didattica

IVA - Esperienza didattica e responsabilità di corsi riconosciuti formalmente dagli Atenei

- Insegnamento di Emodinamica e Cardiologia Interventistica presso la Scuola di Specializzazione di Cardiologia della II Facoltà di Medicina e Chirurgia, Università di Roma La Sapienza (2010-2011)
- Insegnamento di Malattie dell'Apparato Cardiovascolare presso il Corso di Laurea in Tecniche di Fisiopatologia Cardiocircolatoria e Perfusionazione Cardiovascolare del Dipartimento di Scienze Biomediche Avanzate, Università degli Studi di Napoli "Federico II" (dal 2014 ad oggi)
- Insegnamento di Malattie dell'Apparato Cardiovascolare presso il Corso di Laurea Magistrale in Medicina e Chirurgia, Università degli Studi di Napoli "Federico II" (dal 2015 ad oggi)
- Insegnamento di Malattie dell'Apparato Cardiovascolare presso la Scuola di Specializzazione di Cardiologia, Università degli Studi di Napoli "Federico II" (dal 2015 ad oggi)
- Incarico di docenza presso il Master Universitario di II Livello in "Trattamento percutaneo della malattia coronarica" della Scuola Superiore Sant'Anna di Pisa (A.A. 2017-2018, 2018-2019, 2020-2021)
- Insegnamento presso il Master Universitario di II Livello in "Management infermieristico in emergenza-urgenza" presso il Dipartimento di Scienze Biomediche Avanzate dell'Università degli Studi di Napoli Federico II
- Coordinatore dell'Attività Didattica Elettiva in "Nuove tecniche diagnostiche e terapeutiche della malattie coronarica e del microcircolo" del CDS in Medicina e Chirurgia dell'Università degli Studi di Napoli Federico II (dal 2019 ad oggi)
- Coordinatore del Corso Integrato di Malattie dell'Apparato Cardiovascolare presso il Corso di Laurea Magistrale in Medicina e Chirurgia in lingua inglese, Università degli Studi di Napoli "Federico II" (dal 2019 ad oggi)

IVB - Direzione o partecipazione al Collegio dei Docenti nei Corsi di Dottorato di Ricerca

- Componente del Collegio dei Docenti del Corso di Dottorato di Ricerca Internazionale "Cardiovascular Pathophysiology and Therapeutics" dell'Università degli Studi di Napoli Federico II in collaborazione con Università di Berna (Svizzera), Centro di Ricerche Cardiovascolari Aalst (Belgio) (dal 2015 ad oggi)
- Coordinatore del Collegio dei Docenti del Corso di Dottorato di Ricerca Internazionale "Cardiovascular Pathophysiology and Therapeutics" dell'Università degli Studi di Napoli Federico II in collaborazione con Università di Berna (Svizzera), Centro di Ricerche Cardiovascolari Aalst (Belgio) per i cicli XXXIV (a.a. 2018/2019), XXXV (a.a. 2019/2020) e XXXVI (a.a. 2020/2021)

IVC - Relatore a Tesi di Laurea

- CDS in Medicina e Chirurgia, Università degli Studi di Napoli “Federico II”:
 - Gravità dell’aterosclerosi coronarica e rischio di diabete mellito;
 - Ruolo della valutazione funzionale invasiva nella rivascolarizzazione chirurgica;
 - Effetti del ticagrelor versus prasugrel sul flusso coronarico e sulla resistenza microvascolare in pazienti sottoposti ad angioplastica coronarica elettiva: lo studio PROMICRO;
 - Impatto della strategia di rivascolarizzazione chirurgica guidata dalla FFR sulla pervietà dei graft aorto-coronarici (GRAFFITI trial);
 - Impatto clinico della rivascolarizzazione miocardica guidata dalla valutazione funzionale invasiva in pazienti affetti da scompenso cardiaco;
 - Validazione della valutazione funzionale invasiva in pazienti con scompenso cardiaco e/o elevate pressioni di riempimento;
 - Strategia per la gestione personalizzata della terapia anti-piastrinica mediata dai recettori P2Y12 guidata dalla genotipizzazione nei pazienti sottoposti ad angioplastica primaria;
- CDS in Tecniche di Fisiopatologia Cardiocircolatoria e Perfusionazione Cardiovascolare, Università degli Studi di Napoli “Federico II”:
 - Sistemi endovascolari di supporto emodinamico per procedure di rivascolarizzazione coronarica ad alto rischio: ruolo dell’IMPELLA;
 - Confronto tra Residual ADDED Index e Residual Syntax Score nel predire la prognosi a lungo termine dei pazienti con infarto acuto del miocardio e malattia coronarica multivasale;
 - Ruolo della valutazione funzionale invasiva delle stenosi coronariche intermedie in pazienti con stenosi aortica;
 - Rivascolarizzazione chirurgica e pervietà dei graft aorto-coronarici;
 - E’ ancora indicata la contropulsazione aortica?
- CDS in Medicine and Surgery, Università degli Studi di Napoli “Federico II”:
 - A genotype-guided strategy for oral anti-platelet therapy P2Y12 inhibitors mediated in patients treated with primary PCI.

IVD - Relatore a Tesi di Specializzazione e Dottorato di Ricerca

- Correlatore di 2 tesi di dottorato di ricerca rispettivamente presso la “Technical University of Eindhoven (Olanda)” e “Thorax Center Erasmus University of Rotterdam (Olanda)”
- Relatore di 4 Tesi di Dottorato di Ricerca - Università degli Studi di Napoli “Federico II”
- Relatore di 5 Tesi di Specializzazione in Cardiologia - Università degli Studi di Napoli “Federico II”

Part V – Società Scientifiche in ambito cardiovascolare, premi e riconoscimenti, Editorial Board di riviste scientifiche

VA – Società Scientifiche Nazionali ed Internazionali

- Membro della Società Italiana di Cardiologia (SIC)
- Membro della Società Italiana di Cardiologia Invasiva (GISE)
- Membro della Società Belga di Cardiologia
- Membro di European Society of Cardiology (ESC)
- Membro di European Association of Cardiovascular Interventions (EAPCI)
- Membro di ESC Council on Stroke
- EAPCI Scientific Program Committee member (2011-2016)
- Co-chair of the EAPCI National Cardiac Society Committee (2014-2016)
- Executive Board member of Belgian Working Group of Invasive Cardiology (BWGIC) (2013-2018)
- Membro del Comitato del Programma Scientifico del GISE (2016-2018)
- PCR (Percutaneous Coronary Revascularization) Program Committee Member (dal 2011-ad oggi)
- Chair of the EAPCI National Cardiac Society Committee (2016-2018)
- Clinical Practice Guidelines (CPG) member of the ESC (2016-2018)(<https://www.escardio.org/The-ESC/Governance/ESC-Committees/Board-Committees/Committee-for-Practice-Guidelines-CPG>)
- Congress Program Committee (CPC) member of the ESC (2018- 2020)
- EAPCI Secretary (2018-2020)
- Research and Grant Committee member of the ESC (dal 2020-ad oggi)
- EAPCI President-elect (dal 2020-ad oggi)([https://www.escardio.org/Sub-specialty-communities/European-Association-of-Percutaneous-Cardiovascular-Interventions-\(EAPCI\)/About/Board-members](https://www.escardio.org/Sub-specialty-communities/European-Association-of-Percutaneous-Cardiovascular-Interventions-(EAPCI)/About/Board-members))

VB – Premi e riconoscimenti

- Parmley Prize of the American College of Cardiology (2004)
- Fellow of the European Society of Cardiology (FESC)(dal 2009 ad oggi)
- Premio William Harvey della Società Italiana di Cardiologia (SIC)(2012)

- Scholar in Cardiology della Società Italiana di Cardiologia (SIC)(2013)
- Cavaliere dell'Ordine della Stella d'Italia della Presidenza della Repubblica Italiana (2018)

VC – Partecipazione all'Editorial Board di riviste recensite su PubMed

- European Heart Journal (International Editorial Board Member)
- Journal of Cardiovascular Medicine (Editorial Board Member)(Associate Editor: 2010-2016)
- Journal of Cardiovascular Translational Research (Associate Editor: 2012-2020)
- PCR online (Associate Editor)
- International Journal of Cardiology (Editorial Board Member)
- High Blood Pressure & Cardiovascular Prevention (Editorial Board Member)
- JSCAI (Editorial Board Member)

Part VI – Finanziamenti e/o partecipazione a progetti scientifici (multicentrici nazionali ed internazionali)

- PI nazionale del progetto di ricerca di rilevante interesse nazionale (PRIN)(2017PZY5K7) dal titolo “Novel therapeutic strategies to reduce coronary microvascular obstruction and to optimize non-culprit stenoses revascularization in STEMI (OPTI—STEMI)” - (finanziamento MIUR €. 537.726)
- Grant (€. 50.000) dell'Università degli Studi di Napoli Federico II per il progetto di ricerca "Role of bradykinin in ischemic preconditioning" (2018)
- PI del trial GRAFFITI - Unrestricted Research Grant (€. 20.000) Abbott Vascular (2015 – 2018)
- Membro dello Steering Committee del trial clinico COMPARE ABSORB - Unrestricted Research Grant (€. 9.500.000) Abbott Vascular (2015 - 2018)
- PI dell'Unità di Ricerca presso il Centro di Ricerca Cardiovascolare di Aalst (Belgio) nell'ambito dello studio Prestige (EU-FP7 program, WP4: €. 711.270) (2013-2016)
- PI del trial Medcor - Unrestricted Research Grant (€.1.025.000) Therabel Pharma (2013-2015)
- Membro dello Steering Committee del trial Century II - Unrestricted Research Grant Terumo (2012-2014)
- Membro dello Steering Committee del trial FAME II - Unrestricted Research Grant (€. 18.000.000) St. Jude Medical (2010-2012)
- DSMB member of Sadra Lotus Valve First-in-man study
- DSMB member of Apposition II trial
- DSMB member of Confirm trial
- DSMB member of Pioneer trial
- CEC member of FAME trial

- CEC member of E-Select registry
- CEC member of Sadra Lotus Valve “First-in-man” study
- CEC member of Presillion trial
- CEC member of Apposition II trial
- CEC member of Source XT registry
- CEC member of COMPARE 60/80 trial
- CEC member of KISS trial
- CEC member of LEADERS FREE trial

Part VII – Attività di ricerca

VIIA – Tematiche di ricerca

Nel corso degli ultimi 24 anni il Prof. Barbato ha svolto ininterrottamente attività di ricerca coerente con il SSD MED/11 come documentato dalle 350 pubblicazioni su riviste internazionali di seguito allegate con particolare riferimento **alla fisiopatologia e clinica delle malattie cardiovascolari acquisite**.

Particolare focus è stato dedicato alle seguenti tematiche:

- Cardiopatia ipertensiva: valutazione delle alterazioni recettoriali adrenergiche con relativo impatto sulla funzione endotelio-vascolare e clinico; insulino-resistenza vascolare.
- Cardiopatia ischemica: validazione di nuovi indici per la valutazione emodinamica delle stenosi coronariche intermedie; impatto diagnostico e prognostico degli indici invasivi funzionali di significatività delle stenosi coronariche in diversi setting anatomici e clinici; impatto prognostico di diversi biomarcatori in pazienti con aterosclerosi coronarica.
- Cardiologia molecolare: studio del signaling adrenergico nella regolazione del flusso coronarico; correlazione delle alterazione adrenergiche periferiche (vascolari, linfocitarie, piastriniche, etc.) con quelle miocardiche.
- Cardiologia interventistica: impatto degli stent medicati sul flusso coronarico e sul danno microvascolare; strategie di ottimizzazione della rivascolarizzazione coronarica percutanea in pazienti complessi con occlusione cronica coronarica e stenosi severamente calcifiche; strategie di riduzione del danno microvascolare in pazienti sottoposti ad angioplastica coronarica percutanea ed impianto di stent.
- Fisiopatologia piastrinica e coagulazione: valutazione dell’inibizione piastrinica e del relativo impatto sul danno microvascolare e miocardico in pazienti sottoposti a rivascolarizzazione coronarica percutanea; variabilità individuali e genotipo-mediate della risposta inibitoria piastrinica; validazione clinica di nuovi anti-coagulanti (e.g. anti-vVWF).

- Imaging cardiovascolare non-invasivo: valutazione del ruolo della CCTA nella guida alla rivascolarizzazione coronarica.
- Monitoraggio delle attività di cardiologia interventistica Europea: promotore dell'EAPCI Atlas per il monitoraggio dell'attività di cardiologia interventistica in Europa.
- Co-autore di diverse linee guida della Società Europea di Cardiologia (CCS 2019, ACS-NSTEMI 2020, etc.) e di documenti di consenso dell'EAPCI.

VIIIB – Collaborazioni scientifiche internazionali

- Direttore della Ricerca Clinica presso il Centro di Ricerche Cardiovascolari di Aalst (Belgio)(dal 01-01-2008 al 30-04-2014)
- Membro del gruppo di ricerca FAME: Prof. Nico Pijls, Catharina Hospital of Eindhoven (The Netherlands), Prof. Bernard De Bruyne, Cardiovascular Research Center Aalst (Belgium), Prof. William Fearon, Stanford University, California (US)
- Collaborazione con European Rotablator Club and co-fondatore del gruppo di studio EURO4C (<https://www.pcronline.com/Network/Euro4C/short-history-of-the-group>)
- Collaborazione con ESC Working Group on Cellular Biology of the Heart in rappresentanza di EAPCI (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8282317/>)
- Collaborazione con POPular Genetics study group diretto dal Dr. Jurrien M ten Berg (<https://clinicaltrials.gov/ct2/show/NCT01761786>)
- Diverse collaborazioni internazionali in EAPCI finalizzate alla preparazione di documenti di consenso e position paper di interesse per la comunità di cardiologia interventistica europea

VIIC – Lettere di presentazione di studiosi italiani o stranieri

- Vedi allegati B13 e B14

VIIID – Organizzatore di convegni a carattere scientifico nazionali ed internazionali

- Course Director of the “16th Rotablator workshop” (Aalst, Belgium – 2019)
- Course Director of the “15 & 16th OCT workshop” (Aalst, Belgium – 2018)
- Course Director of the “14 & 15th Rotablator workshop” (Aalst, Belgium – 2018)
- Course Director of the Aalst-Naples Coronary Physiology Course (Naples, Italy 2018)
- Course Director of the “13 & 14th OCT workshop” (Leuven, Belgium – 2017)
- Course Director of the “12th OCT workshop” (Aalst, Belgium – 2017)
- Course Director of the Aalst-Naples FFR course (Naples, Italy – 2017)
- Course Director of the “12 & 13th Rotablator workshop” (Aalst, Belgium – 2017)
- Course Director of the “10 & 11th Rotablator workshop” (Aalst, Belgium – 2016)
- Course Director of the “10 & 11th OCT workshop” (Aalst & Leuven, Belgium – 2016)
- Course Director of the “8 & 9th Rotablator workshop” (Aalst, Belgium – 2015)

- Course Director of the “8 & 9th OCT workshop” (Aalst & Leuven, Belgium – 2015)
- Course Director of the “6 & 7th Rotablator workshop” (Aalst, Belgium – 2014)
- Course Director of the “6 & 7th OCT workshop” (Aalst & Leuven, Belgium – 2014)
- Course Director of the “5th OCT workshop” (Aalst, Belgium – 2013)
- 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 OCT workshop” (Leuven, Belgium – 2013)
- Course Director of the “4 & 5th 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)

VIII – Relatore su invito o Moderatore a convegni a carattere scientifico nazionali ed internazionali

- Moderatore @ Congresso Annuale del GISE meeting: Milano (dal 05-10-2021 al 08-10-2021)
- Relatore su invito @ XXXVIII Congresso Nazionale della Società Italiana dell’Ipertensione Arteriosa. Location: Bologna (dal 30-09-2021 al 02-10-2021)
- Relazione: “Trattamento dell’ipertensione arteriosa pre e post-TAVI”
- Relatore su invito @ XVIII Edition of the CITIC meeting of the Inter-American Society of Cardiology. Mexico City: Mexico (dal 22-09-2021 al 25-09-2021)
- Lecture: “Multivessel PCI in stable CAD: when and how to treat”
- Relatore su invito @ 13th EuroCTO Club meeting joint GISECTO. Location: Firenze (dal 17-09-2021 al 18-09-2021)
- Lecture: “EAPCI documents on complex PCI interventions”
- Moderatore @ Annual meeting (digital experience) of the European Society of Cardiology (ESC)(dal 28-08-2021 al 30-08-2021)
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 18-05-2021 al 20-05-2021)
- Moderatore @ 21st Joint Interventional Meeting (JIM). Location: Milano (dal 11-02-2021 al 12-02-2021)
- Moderatore @ virtual Korean Society of Interventional Cardiology Meeting. Location: South Korea(dal 07-01-2021 al 09-01-2021)

- Moderatore e Relatore su invito @ 81° Congresso Annuale della SIC: Roma (dal 12-12-2020 al 15-12-2020)
 - Relazione: “EAPCI Atlas: mapping the interventional cardiology in Europe”
- Moderatore e Relatore su invito @ 21st Interventional Cardiology Workshop NFIC. Location: Krakow (Poland) (dal 9-12-2020 al 11-12-2020)
 - Lecture: “Left main disease: state-of-the art treatment in 2020”
- Moderatore @ Congresso Annuale del GISE virtual edition: Milano (dal 28-10-2020 al 30-10-2020)
- Relatore su invito @ Sinergy Digital Congress. Location: Belgrade (Serbia)(09-2020)
 - Lecture: “Calcified lesions: my toolbox”
- Relatore su invito @ Annual meeting (digital experience) of the European Society of Cardiology (ESC). Location: Amsterdam (The Netherlands) (dal 31-08-2020 al 2-09-2020)
 - Lecture: “Complete revascularization in acute coronary syndromes: is it for everyone?”
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (PCR digital e-course). Location: Paris (France)(dal 25-06-2020 al 27-06-2020)
- Relatore su invito @ ESC Cardiovascular Round Table CRT Workshop – “Chronic Coronary Syndromes”. Location: Amsterdam (The Netherlands)(dal 19-02-2020 al 20-02-2020)
 - Relazione: “What are the New ESC Guideline Recommendations for Anti-thrombotic Therapies?”
- Relatore su invito @ 20th Joint Interventional Meeting (JIM). Location: Milano (dal 13-02-2020 al 15-02-2020)
 - Relazione: “QFR and OFR: new techniques to obtain a functional assessment from imaging Modalities”
- Relatore su invito @ 80° Congresso Annuale della SIC: Roma (dal 12-12-2019 al 15-12-2019)
 - Relazione: “Will the interventional cardiologist still decide when and how performing PCI?”
- Relatore su invito @ Annual Congress of the Portuguese Interventional Cardiology Working Group (APIC). Location: Troia (Portugal)(dal 08-11-2019 al 09-11-2019)
 - Lecture: “Coronary calcification: why and how to deal with it”
- Moderatore e relatore su invito @ Congresso Annuale del GISE: Milano (dal 15-10-2019 al 18-10-2019)
- Relatore su invito @ Heart Days in Graz Symposium. Location: Graz (Austria)(14-09-2019)
 - Lecture: “2019 CCS Guidelines in daily clinical practice”
- Moderatore e relatore su invito @ Sinergy Congress. Location: Belgrade (Serbia)(dal 12-09-2019 al 14-09-2019)
 - Lecture: “Contemporary approach to resistant and calcified coronary lesions”
 - Lecture: “Complex case presentation”
- Moderatore @ Annual meeting of the European Society of Cardiology (ESC). Location: Paris (France)(dal 30-08-2019 al 4-09-2019)

- Relatore su invito in diverse sessioni @ Korean Society of Interventional Cardiology. Location: Daegu (South Korea)(dal 05-07-2019 al 06-07-2019)
- Keynote lecture: “Contemporary CTO intervention in EU”
- Relatore su invito in diverse sessioni @ Barts Interventional Group Symposium. Location: London (UK)(dal 20-05-2019 al 24-05-2019)
- Keynote lecture: “The un-dilatable lesion 2019: my approach”
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 20-05-2019 al 24-05-2019)
- Moderatore e relatore su invito @ 23rd Warsaw Course on Cardiovascular Interventions. Location: Warsaw (Poland)(dal 10-04-2019 al 12-04-2019)
- Lecture: “Bivaluridin”
- Moderatore e relatore su invito @ 13th Edition of the “Applied Coronary Physiology in the Cathlab Course”. Location: Milan (Italy)(dal 27-03-2019 al 29-03-2019)
- Lecture: “FFR in left main disease”
- Lecture: “FFR guided PCI: reduction of hard endpoints?”
- Lecture: “FFR in ACS: what are the data?”
- Lecture: “Clinical importance of the microcirculation”
- Moderatore e relatore su invito @ Hi Tech Marseille Meeting. Location: Marseille (France)(dal 30-01-2019 al 01-02-2019)
- Lecture: “Switch des AAP: pour qui et comment ?”
- Moderatore e relatore su invito @ 7th Wroclaw Rotablator Meeting. Location: Wroclaw (Poland)(dal 17-01-2019 al 18-01-2019)
- Lecture: “From the EAPCI perspective: Is there a need and place for a new structure?”
- Lecture: “Is this case going to be an easy one? Are we able to predict (more or less) a risk?”
- Relatore su invito @ 79^o Congresso Annuale della SIC: Roma (dal 14-12-2018 al 17-12-2018)
- Relazione: “Coronary microvascular obstruction in STEMI”
- Relatore su invito @ GRCI France 2018 (Groupe de Réflexion sur la Cardiologie Interventionnelle). Location: Paris (France)(dal 5-12-2018 al 7-12-2018)
- Lecture: “Le registre européen”
- Moderatore e relatore su invito @ Congresso Annuale del GISE: Milano (dal 16-10-2018 al 19-10-2018)
- Relazione: “Novel findings in percutaneous revascularization of patients with stable angina”
- Relazione: “Highlights from the New England Journal of Medicine: Editors’ Choice”
- Moderatore e relatore su invito @ Annual meeting of the European Society of Cardiology (ESC). Location: Munich (Germany)(dal 24-08-2018 al 29-08-2018)
- Lecture: “Highlights from the New England Journal of Medicine: Editors’ Choice”
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 21-05-2018 al 25-05-2017)

- Moderatore e relatore su invito @ 6th Wroclaw Rotablator Meeting. Location: Wroclaw (Poland)(dal 11-01-2018 al 13-01-2018)
- Relatore su invito @ European Bifurcation Club. Location: Porto (Portugal)(dal 13-10-2017 al 15-10-2017)
- Relatore su invito @ Serbian Conference on Interventional Cardiology and Cardiovascular Imaging. Location: Belgrade (Serbia)(dal 07-09-2017 al 09-09-2017)
- Moderatore @ Annual meeting of the European Society of Cardiology (ESC). Location: Barcelona (Spain)(dal 26-08-2017 al 30-08-2017)
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 16-05-2017 al 19-05-2017)
- Relatore su invito @ EAPCI Summit. Location: Nice (France). Title lecture: Training and practicing Interventional Cardiology in Europe: ready for a systematic and structured data collection. (dal 28-03-2017 al 29-03-2017)
- Relatore su invito @ Annual meeting of the TCT (Trans Catheter Therapeutics). Location: Washington (US). Title lecture: FFR in the setting of CABG and AS/AVR/TAVR (dal 29-10-2016 al 02-11-2016)
- Relatore su invito @ Annual meeting of the EACTS (European Association Cardiothoracic Surgery). Location: Barcelona (Spain). Title lecture: Is the angiogram enough? The role of fractional flow reserve guided revascularisation in coronary artery bypass graft (dal 02-10-2016 al 03-10-2016)
- Moderatore @ Annual meeting of the European Society of Cardiology (ESC). Location: Rome (Italy)(dal 27-08-2016 al 31-08-2016)
- Moderatore e relatore su invito @ Annual european fellows course on coronary intervention of the EAPCI (European Association of Cardiovascular Interventions) Location: Nice (France). Lecture: [How to] Preventing and managing complications: focus on vascular access problems (femoral and radial)(dal 09-06-2016 al 11-06-2016)
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 17-05-2016 al 20-05-2016)
- Moderatore e relatore su invito in diverse sessioni @ Coronary Physiology in the Catheterization Laboratory (10th Edition). Location: Nice (France)(dal 21-04-2016 al 23-04-2016)
- Relatore su invito @ 6èmes Journées Nationales du GACI (French Society of Interventional Cardiology). Location: Paris (France). Lecture: Pourquoi je veux implanter un stent biorésorbable? (dal 31-03-2016 al 01-04-2016)
- Relatore su invito @ Annual meeting of the European Society of Cardiology (ESC) Location: London (UK)(dal 29-08-2015 al 01-09-2015)
- Moderatore @ Annual meeting of the European Society of Cardiology (ESC) Location: London (UK)(dal 29-08-2015 al 01-09-2015)
- Moderatore e relatore su invito in diverse sessioni @ Annual european fellows course on coronary intervention of the EAPCI (European Association of Cardiovascular Interventions) Location: Nice (France)(dal 19-06-2015 al 20-06-2015)

- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 18-05-2015 al 22-05-2015)
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the AsiaPCR. Location: Singapore (dal 22-01-2015 al 24-01-2015)
- Moderatore e relatore su invito in diverse sessioni @ Coronary Physiology in the Catheterization Laboratory (9th Edition). Location: Nice (France)(dal 23-04-2015 al 25-04-2015)
- Relatore su invito @ Annual meeting of the European Society of Cardiology (ESC) Location: Barcelona (Spain). Lecture title: Fractional flow reserve in complex coronary lesions (dal 30-08-2014 al 03-09-2014)
- Moderatore e relatore su invito in diverse sessioni @ Annual meeting of the European Interventional Cardiologists (EuroPCR). Location: Paris (France)(dal 20-05-2014 al 23-05-2014)
- Moderatore e relatore su invito in diverse sessioni @ Coronary Physiology in the Catheterization Laboratory (8th Edition). Location: Nice (France)(dal 24-04-2014 al 26-04-2014)
- Relatore su invito @ Coronary microcirculation and heart disease: an international summit, Madrid (Spain)(dal 10-02-2014 al 11-02-2014)
- Italian Society of Cardiology (Rome, Italy – 2013)
 - Lecture: “CMR: all in one”
- Cardiometabolic Risk and Vascular Diseases – Meeting of ESC WG on Peripheral Circulation (Rome, Italy – 2013)
 - Lecture: “Coronary stent choice”
- European Society of Cardiology (Amsterdam, The Netherlands – 2013):
 - Lecture: “Fractional Flow Reserve in stable and unstable patients: same level of evidence?”
 - Lecture: “Use of coronary angiography in patients with stable ischemic heart disease”
 - Chair of the moderated poster session
- Coronary Physiology in the Cathlab (Catanzaro, Italy – 2013):
 - Lecture: “FFR in specific angiographic settings”
 - Lecture: “No, intracoronary is an excellent alternative!”
- EuroPCR (Paris, France – 2013):
 - Lecture: “Clinical relevance of coronary chronic total occlusion”
 - Chair of the session “CTO: set up your strategy to achieve success while keeping it simple”
 - Chair of the session “Complex cardiovascular interventions and new techniques”
 - Chair of the session “All you need to know about treatment of CTO”
 - Chair of the session “Treatment of coronary CTO: Japan meets Europe”
 - Chair of the session “Left main and complex bifurcation stenting”
 - Chair of the session “Learning the technique: Rotational atherectomy”

- Coronary Physiology in the Cathlab (Nice, France – 2013) – Meeting of ESC WG on Coronary Pathophysiology and Microcirculation
 - Lecture: “Role of invasive imaging: IVUS, OCT”
 - Lecture: “Pitfalls with pressure measurements”
 - Chair of the session “The diagnosis of ischemic heart disease”
 - Chair of the session “FFR in clinical practice”
- Italian Society of Cardiology (Rome, Italy – 2012):
 - Lecture William Harvey: “From anatomy to function: a paradigm shift in myocardial revascularization strategies”
 - Lecture: “Identificazione non-invasiva delle placche vulnerabili”
- FFR workshop (Budapest, Hungary – 2012):
 - Lecture William Harvey: “How I approach the patient with angina”
 - Lecture: “Concept and practical set-up of CFR, FFR and IMR”
- European Society of Cardiology (Munich, Germany – 2012):
 - Lecture: “Technical aspects and clinical indication of FFR”
 - Lecture: “FFR should be performed in all patients with Multivessel Disease”
- EuroPCR (Paris, France – 2012):
 - Chair of the session “TNT: treatment of left main and multivessel disease”
 - Chair of the LTT session “How to succeed with complex PCI”
- Rome Cardiology Forum (Rome, Italy – 2012):
 - Lecture: “The challenge of chronic total occlusion”
- 6th European Interventional Cardiology Fellows Course (London, UK – 2011):
 - Lecture: “When and how to do and interpret FFR measurement”
- EuroPCR (Paris, France – 2011):
 - Lecture: “Which patients may be considered for hybrid procedures”
 - Chair of the LTT session “How to select material and equipment for PCI”
 - Chair of the session “Coronary CTO: current techniques”
- Coronary Physiology in the Cathlab (Nice, France – 2011) – Meeting of ESC WG on Coronary Pathophysiology and Microcirculation
 - Lecture: “Hyperemic stimuli”
 - Chair of the session “The diagnosis of coronary atherosclerosis”
- European Society of Cardiology (Paris, France – 2011):
 - Lecture: “FFR: focus on ACS”
 - Chair of the session “New applications of functional lesion assessment”
- Italian Society of Cardiology (Rome, Italy – 2010):
 - Lecture: “Clinical implication of platelet endothelium interaction”
 - Lecture: “Treatment of diabetic patient with NSTEMI ACS”
- 5th European Interventional Cardiology Fellows Course (London, UK – 2010):
 - Lecture: “When and how to do and interpret FFR measurement”
- EuroPCR (Paris, France – 2010):

- Lecture: “Technical approach for PCI in left main – case presentation”
- Chair of the LTT session “TNT: the best option for left main and multivessel disease coronary revascularization”
- European Society of Cardiology (Paris, France – 2010):
 - Lecture: “Which stable patient really needs intervention?”
- South Africa Heart Congress (Sun City, South Africa – 2009):
 - Lecture: “Assessing non-culprit stenoses in the setting of primary PCI”
 - Lecture: “Integration of the FAME, Courage and Syntax trials”
- 4th European Interventional Cardiology Fellows Course (London, UK – 2009):
 - Lecture: “Physiological assessment”
- European Society of Cardiology (Barcelona, Spain – 2009):
 - Lecture: “How can intracoronary pressure management help?”
- French Society of Cardiology (Paris, France – 2008):
 - Lecture: “Early invasive strategy is the best approach of NSTEMI-ACS: against”

Parte VIII – Produttività scientifica complessiva

Tabelle riassuntiva produzione scientifica complessiva

Banca dati	Scopus
Numero complessivo lavori	350
Hirsch (H) index	60
Normalized H index*	2,5
Numero totale citazioni	28476
Numero medio citazioni per pubblicazioni	81,36
Impact factor totale	3006
Impact factor medio per pubblicazione	8,589
Riviste con Impact factor > 3	75%

*H index divided by the academic seniority (24 anni)

N° pubbl.	Anno	Pubblicazione	N° Citazioni	IF anno pubblicazione
1	2021	Wong C.C.Y.,Nishi T.,Yong A.S.C.,Murai T.,Kakuta T.,Waseda K.,Amano T.,Hirohata A., Barbato E. ,Ng M.K.C.,Fearon W.F.Send mail to Fearon W.F. Discordance Between the Index of Microcirculatory Resistance and Coronary Flow Reserve After Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions Volume 14, Issue 21, Pages 2412 - 24148 November 2021	0	8,432
2	2021	Marfella R, Paolisso P, Sardu C, Palomba L, D'Onofrio N, Cesaro A, Barbieri M, Rizzo MR, Sasso FC, Scisciola L, Turriziani F, Galdiero M, Pignataro D, Minicucci F, Trotta MC, D'Amico M, Mauro C, Calabrò P, Balestrieri ML, Signoriello G, Barbato E. Galdiero M, Paolisso G. SARS-COV-2 colonizes coronary thrombus and impairs heart microcirculation bed in asymptomatic SARS-CoV-2 positive subjects with acute myocardial infarction. Crit Care. 2021 Jun 24;25(1):217. doi: 10.1186/s13054-021-03643-0. PMID: 34167575; PMCID: PMC8222703.	1	9,097
3	2021	De Bruyne B, Pijls NHJ, Gallinoro E, Candreva A, Fournier S, Keulards DCJ, Sonck J, Van't Veer M, Barbato E. Bartunek J, Vanderheyden M, Wyffels E, De Vos A, El Farissi M, Tonino PAL, Muller O, Collet C, Fearon WF. Microvascular Resistance Reserve for Assessment of Coronary Microvascular Function: JACC Technology Corner. J Am Coll Cardiol. 2021 Oct 12;78(15):1541-1549. doi:10.1016/j.jacc.2021.08.017. PMID: 34620412.	0	24,093
4	2021	Mileva N, Nagumo S, Gallinoro E, Sonck J, Verstreken S, Dierckx R, Heggermont W, Bartunek J, Goethals M, Heyse A, Barbato E. De Bruyne B, Collet C, Vanderheyden M. Validation of Coronary Angiography-Derived Vessel Fractional Flow Reserve in Heart Transplant Patients with Suspected Graft Vasculopathy. Diagnostics (Basel). 2021 Sep 24;11(10):1750. doi: 10.3390/diagnostics11101750. PMID: 34679451.	0	3,706
5	2021	Fournier S, Toth GG, De Bruyne B, Kala P, Ribichini FL, Casselman F, Ramos R, Piroth Z, Piccoli A, Penicka M, Mates M, Nemeč P, Van Praet F, Stockman B, Degriek I, Pellicano M, Barbato E. Changes in surgical revascularization strategy after fractional flow reserve. Catheter Cardiovasc Interv. 2021 Sep;98(3):E351-E355. doi: 10.1002/ccd.29694. Epub 2021 Apr 10. PMID: 33837987.	0	2,692
6	2021	Barbato E. Contemporary management of calcified coronary lesions. Heart. 2021 Sep;107(18):1510-1517. doi: 10.1136/heartjnl-2020-316744. Epub 2021 Mar 31. PMID: 33789972.	2	5,994

7	2021	Schwartz G.G, Szarek M.b,Bittner V.A.,Diaz R.,Goodman S.G.f, g,Jukema J.W.h, i,Landmesser U.j,López-Jaramillo P.k,Manvelian G.l,Pordy R.l,Scemama M.m,Sinnaeve P.R.n,White H.D.o,Gabriel Steg P.p, q,Bhatt D.L.,Harrington R.A.,Zeicher A.M.,Tricoci P.,Roe M.T.,Mahaffey K.W.,Edelberg J.M.,Hanotin C.,Lecorps G.,Moryusef A.,Sasiela W.J.,Tamby J.-F.,Aylward P.E.,Drexel H.,Sinnaeve P.,Dilic M.,Lopes R.D.,Gotcheva N.N.,Prieto J.-C.,Yong H.,Pećin I.,Reiner Z.,Ostadal P.,Poulsen S.H.,Viigimaa M.,Nieminen M.S.,Danchin N.,Chumburidze V.,Marx N.,Liberopoulos E.,Montenegro Valdovinos P.C.,Tse H.-F.,Kiss R.G.,Xavier D.,Zahger D.,Valgimigli M.,Kimura T.,Kim H.S.,Kim S.-H.,Erglis A.,Laucevicius A.,Kedev S.,Yusoff K.,Ramos López G.A.,Alings M.,Halvorsen S.,Correa Flores R.M.,Sy R.G.,Budaj A.,Morais J.,Dorobantu M.,Karpov Y.,Ristic A.D.,Chua T.,Murin J.,Fras Z.,Dalby A.J.,Tuñón J.,Asita de Silva H.,Hagström E.,Müller C.,Chiang C.-E.,Sritara P.,Guner S.,Parkhomenko A.,Ray K.K.,Moriarty P.M.,Vogel R.A.,Chaitman B.,Kelsey S.F.,Olsson A.G.,Rouleau J.-L.,Simoons M.L.,Alexander K.,Meloni C.,Rosenson R.,Sijbrands E.J.G.,Alexander J.H.,Armaganijan L.,Bagai A.,Bahit M.C.,Brennan J.M.,Clifton S.,DeVore A.D.,Deloatch S.,Dickey S.,Dombrowski K.,Ducrocq G.,Eapen Z.,Endsley P.,Eppinger A.,Harrison R.W.,Hess C.N.,Hlatky M.A.,Jordan J.D.,Knowles J.W.,Kolls B.J.,Kong D.F.,Leonardi S.,Lillis L.,Maron D.J.,Marcus J.,Mathews R.,Mehta R.H.,Mentz R.J.,Moreira H.G.,Patel C.B.,Pereira S.B.,Perkins L.,Povsic T.J.,Puymirat E.,Jones W.S.,Shah B.R.,Sherwood M.W.,Stringfellow K.,Sujavanich D.,Toma M.,Trotter C.,van Diepen S.F.P.,Wilson M.D.,Tze-Kay Yan A.,Schiavi L.B.,Garrido M.,Alvarisqueta A.F.,Sassone S.A.,Bordonava A.P.,Alves De Lima A.E.,Schmidberg J.M.,Duronto E.A.,Caruso O.C.,Novaretto L.P.,Hominal M.A.,Montaña O.R.,Caccavo A.,Gomez Vilamajo O.A.,Lorenzatti A.J.,Cartasegna L.R.,Paterlini G.A.,Mackinnon I.J.,Caime G.D.,Amuchastegui M.,Salomone O.,Codutti O.R.,Jure H.O.,Bono J.O.E.,Hrabar A.D.,Vallejos J.A.,Ahuad Guerrero R.A.,Novoa F.,Patocchi C.A.,Zaidman C.J.,Giuliano M.E.,Dran R.D.,Vico M.L.,Carnero G.S.,Guzman P.N.,Medrano Allende J.C.,Garcia Brasca D.F.,Bustamante Labarta M.H.,Nani S.,Blumberg E.D.S.,Colombo H.R.,Lieberman A.,Fuentealba V.,Luciardi H.L.,Waisman G.D.,Berli M.A.,Garcia Duran R.O.,Cestari H.G.,Luquez H.A.,Giordano J.A.,Saavedra S.S.,Zapata G.,Costamagna O.,Llois S.,Waites J.H.,Collins N.,Soward A.,Hii C.L.S.,Shaw J.,Arstall M.A.,Horowitz J.,Ninio D.,Rogers J.F.,Colquhoun D.,Oqueli Flores R.E.,Roberts-Thomson P.,Raffel O.,Lehman S.J.,Aroney C.,Coverdale S.G.M.,Garrahy P.J.,Starmer G.,Sader M.,Carroll P.A.,Dick R.,Zweiker R.,Hoppe U.,Huber K.,Berger R.,Delle-Karth G.,Frey B.,Faes D.,Hermans K.,Pirienne B.,Leone A.,Hoffer E.,Vrolix M.C.M.,De Wolf L.,Wollaert B.,Castadot M.,Dujardin K.,Beauloye C.,Vervoort G.,Striekwold H.,Convens C.,Roosen J., Barbato E. ,; ODYSSEY Outcomes Committees and Investigators. Lipoprotein(a) and Benefit of PCSK9 Inhibition in Patients With Nominally Controlled LDL Cholesterol. <i>J Am Coll Cardiol.</i> 2021 Aug 3;78(5):421-433. doi: 10.1016/j.jacc.2021.04.102. PMID: 34325831.	2	24,093
8	2021	Barbato E , Bermpeis K. Severely calcified coronary stenoses: a war or a battle? <i>EuroIntervention.</i> 2021 Aug 27;17(6):445-446. doi: 10.4244/EIJV17I6A80. PMID: 34413008.	0	6,534
9	2021	Nishi T, Murai T, Waseda K, Hirohata A, Yong ASC, Ng MKC, Amano T, Barbato E , Kakuta T, Fearon WF. Association of microvascular dysfunction with clinical outcomes in patients with non-flow limiting fractional flow reserve after percutaneous coronary intervention. <i>Int J Cardiol Heart Vasc.</i> 2021 Jul 14;35:100833. doi: 10.1016/j.ijcha.2021.100833. PMID: 34345649; PMCID:PMC8319505.	0	2,240
10	2021	G Toth G, Johnson NP, Wijns W, Toth B, Achim A, Fournier S, Barbato E . Revascularization decisions in patients with chronic coronary syndromes: Results of the second International Survey on Interventional Strategy (ISIS-2). <i>Int J Cardiol.</i> 2021 Aug 1;336:38-44. doi: 10.1016/j.ijcard.2021.05.005. Epub 2021 May 7. PMID: 33971185.	1	4,164
11	2021	Bulluck H, Paradies V, Barbato E , Baumbach A, Bøtker HE, Capodanno D, De Caterina R, Cavallini C, Davidson SM, Feldman DN, Ferdinandy P, Gili S, Gyöngyösi M, Kunadian V, Ooi SY, Madonna R, Marber M, Mehran R, Ndrepepa G, Perrino C, Schüpke S, Silvain J, Sluijter JPG, Tarantini G, Toth GG, Van Laake LW, von Birgelen C, Zeitouni M, Jaffe AS, Thygesen K, Hausenloy DJ. Prognostically relevant periprocedural myocardial injury and infarction associated with percutaneous coronary interventions: a Consensus Document of the ESC Working Group on Cellular Biology of the Heart and European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>Eur Heart J.</i> 2021 Jul 15;42(27):2630-2642. doi: 10.1093/eurheartj/ehab271. PMID: 34059914; PMCID: PMC8282317.	2	29,983
12	2021	Bellis A, Di Gioia G, Mauro C, Mancusi C, Barbato E , Izzo R, Trimarco B, Morisco C. Reducing Cardiac Injury during ST-Elevation Myocardial Infarction: A Reasoned Approach to a Multitarget Therapeutic Strategy. <i>J Clin Med.</i> 2021 Jul 1;10(13):2968. doi: 10.3390/jcm10132968. PMID: 34279451; PMCID: PMC8268641.	1	4,242

13	2021	Claassens DMF, Gimbel ME, Bergmeijer TO, Vos GJA, Hermanides RS, van der Harst P, Barbato E , Morisco C, Tjon Joe Gin RM, de Vrey EA, Heestermans TACM, Jukema JW, von Birgelen C, Waalewijn RA, Hofma SH, den Hartog FR, Voskuil M, Van't Hof AWJ, Asselbergs FW, Mosterd A, Herrman JR, Dewilde W, Mahmoodi BK, Deneer VHM, Ten Berg JM. Clopidogrel in noncarriers of CYP2C19 loss-of-function alleles versus ticagrelor in elderly patients with acute coronary syndrome: A pre-specified sub analysis from the POPular Genetics and POPular Age trials CYP2C19 alleles in elderly patients. <i>Int J Cardiol.</i> 2021 Jul 1;334:10-17. doi: 10.1016/j.ijcard.2021.04.029. Epub 2021 Apr 20. PMID: 33887342.	1	4,164
14	2021	Fearon WF, Collet C, Roza da Costa B, Mizukami T, Barbato E , Tonino PAL, Pijls NHJ, Jüni P, De Bruyne B. A Meta-Analysis of Recent Trials Comparing Revascularization With Medical Therapy Alone in Patients With Chronic Coronary Syndrome. <i>JACC Cardiovasc Interv.</i> 2021 Jun 28;14(12):1388-1390. doi:10.1016/j.jcin.2021.04.021. PMID: 34167686.	0	11,195
15	2021	Di Serafino L, Mangiacapra F, Pyxaras S, Morisco C, Bartunek J, De Bruyne B, De Luise F, Wijns W, Barbato E . Relationship between peripheral arterial reactive hyperemia and the index of myocardial resistance in patients undergoing invasive coronary angiography. <i>Int J Cardiol.</i> 2021 Jun 15;333:8-13. doi: 10.1016/j.ijcard.2021.02.085. Epub 2021 Mar 3. PMID: 33667574.	0	4,164
16	2021	Collet JP, Thiele H, Barbato E , Barthélémy O, Bauersachs J, Bhatt DL, Dendale P, Dorobantu M, Edvardsen T, Folliguet T, Gale CP, Gilard M, Jobs A, Jüni P, Lambrinou E, Lewis BS, Mehilli J, Meliga E, Merkely B, Mueller C, Roffi M, Rutten FH, Sibbing D, Siontis GCM; ESC Scientific Document Group. 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. <i>Eur Heart J.</i> 2021 Apr 7;42(14):1289-1367. doi: 10.1093/eurheartj/ehaa575. Erratum in: <i>Eur Heart J.</i> 2021 May 14;42(19):1908. Erratum in: <i>Eur Heart J.</i> 2021 May 14;42(19):1925. Erratum in: <i>Eur Heart J.</i> 2021 May 13;.: PMID: 32860058.	352	29,983
17	2021	Mancusi C, Canciello G, Losi MA, Barbato E , Morisco C, Manzi MV, Arnone MI, Rozza F, De Luca N, Izzo R. Assessment of carotid cross-sectional area in hypertensive patients: phenotyping and prognostic validation in The Campania Salute Network. <i>J Hum Hypertens.</i> 2021 Jun;35(6):524-529. doi: 10.1038/s41371-020-0365-x. Epub 2020 Jun 15. PMID: 32541664.	0	3,012
18	2021	Mancusi C, de Simone G, Brguljan Hitij J, Sudano I, Mahfoud F, Parati G, Kahan T, Barbato E , Pierard LA, Garbi M, Flachskampf FA, Gerds E. Management of patients with combined arterial hypertension and aortic valve stenosis: a consensus document from the Council on Hypertension and Council on Valvular Heart Disease of the European Society of Cardiology, the European Association of Cardiovascular Imaging (EACVI), and the European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>Eur Heart J Cardiovasc Pharmacother.</i> 2021 May 23;7(3):242-250. doi: 10.1093/ehjcvp/pvaa040. PMID: 32353143.	5	6,617
19	2021	Zimarino M, Angiolillo DJ, Dangas G, Capodanno D, Barbato E , Hahn JY, Giustino G, Watanabe H, Costa F, Cuisset T, Rossini R, Sibbing D, Burzotta F, Louvard Y, Shehab A, Renda G, Kimura T, Gwon HC, Chen SL, Costa RA, Koo BK, Storey RF, Valgimigli M, Mehran R, Stankovic G. Antithrombotic therapy after percutaneous coronary intervention of bifurcation lesions. <i>EuroIntervention.</i> 2021 May 17;17(1):59-66. doi: 10.4244/EIJ-D-20-00885. PMID: 32928716.	2	6,534
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342	2003	Barbato E , Marco J, Wijns W. Direct stenting. <i>Eur Heart J.</i> 2003 Mar;24(5):394-403. doi: 10.1016/s0195-668x(02)00802-3. PMID: 12633541.	47	5,997

343	2002	Pijls NH, De Bruyne B, Smith L, Aarnoudse W, Barbato E , Bartunek J, Bech GJ, Van De Vosse F. Coronary thermodilution to assess flow reserve: validation in humans. <i>Circulation</i> . 2002 May 28;105(21):2482-6. doi: 10.1161/01.cir.0000017199.09457.3d. PMID: 12034653.	218	10,255
344	2002	Barbato E , Wijns W.- Intracoronary ultrasound imaging: Universal praise, qualified adoption - <i>Heart Drug</i> Volume 2, Issue 1, Pages 4 - 52002	0	2,791
345	2001	Iaccarino G, Barbato E , Cipolletta E, Fiorillo A, Trimarco B. Role of the sympathetic nervous system in cardiac remodeling in hypertension. <i>Clin Exp Hypertens</i> . 2001 Jan-Feb;23(1-2):35-43. doi: 10.1081/ceh-100001195. PMID: 11270587.	12	1,283
346	2001	Iaccarino G, Barbato E , Cipolletta E, Esposito A, Fiorillo A, Koch WJ, Trimarco B. Cardiac betaARK1 upregulation induced by chronic salt deprivation in rats. <i>Hypertension</i> . 2001 Aug;38(2):255-60. doi: 10.1161/01.hyp.38.2.255. PMID: 11509486.	24	5,364
347	1998	Lembo G, Morisco C, Lanni F, Barbato E , Vecchione C, Fratta L, Trimarco B. Systemic hypertension and coronary artery disease: the link. <i>Am J Cardiol</i> . 1998 Aug 6;82(3A):2H-7H. doi: 10.1016/s0002-9149(98)00484-6. PMID: 9719015.	34	2,137
348	1997	Lembo G, Iaccarino G, Vecchione C, Barbato E , Izzo R, Fontana D, Trimarco B. Insulin modulation of an endothelial nitric oxide component present in the alpha2- and beta-adrenergic responses in human forearm. <i>J Clin Invest</i> . 1997 Oct 15;100(8):2007-14. doi: 10.1172/JCI119732. PMID: 9329964; PMCID: PMC508390.	63	9,667
349	1997	Ricciardelli B, Argenziano L, Morisco C, Monti F, Barbato E , Trimarco B. - Effects of nitrendipine on plasma levels of insulin and glucose in patients with essential hypertension - <i>Current Therapeutic Research - Clinical and Experimental</i> Volume 58, Issue 3, Pages 180 - 1861997	6	0,542
350	1997	Lembo G, Iaccarino G, Vecchione C, Barbato E , Morisco C, Monti F, Parrella L, Trimarco B. Insulin enhances endothelial alpha2-adrenergic vasorelaxation by a pertussis toxin mechanism. <i>Hypertension</i> . 1997 Nov;30(5):1128-34. doi: 10.1161/01.hyp.30.5.1128. PMID: 9369266.	43	4,944

Parte IX– Pubblicazioni selezionate per la valutazione di merito

N° pubbl.	Anno	Pubblicazione	N° Citazioni	IF anno pubblicazione
1	2021	Collet JP, Thiele H, Barbato E , Barthélémy O, Bauersachs J, Bhatt DL, Dendale P, Dorobantu M, Edvardsen T, Folliguet T, Gale CP, Gilard M, Jobs A, Jüni P, Lambrinou E, Lewis BS, Mehilli J, Meliga E, Merkely B, Mueller C, Roffi M, Rutten FH, Sibbing D, Siontis GCM; ESC Scientific Document Group. 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. Eur Heart J. 2021 Apr 7;42(14):1289-1367. doi: 10.1093/eurheartj/ehaa575.	352	29,983
2	2020	Di Gioia G, De Bruyne B, Pellicano M, Bartunek J, Colaiori I, Fiordelisi A, Canciello G, Xaplanteris P, Fournier S, Katbeh A, Franco D, Kodeboina M, Morisco C, Van Praet F, Casselman F, Degrieck I, Stockman B, Vanderheyden M, Barbato E . Fractional flow reserve in patients with reduced ejection fraction. Eur Heart J. 2020 May 1;41(17):1665-1672. doi: 10.1093/eurheartj/ehz571. PMID: 31419282.	6	29,983
3	2020	Barbato E , Noc M, Baumbach A, Dudek D, Bunc M, Skolidis E, Banning A, Legutko J, Witt N, Pan M, Tilsted HH, Nef H, Tarantini G, Kazakiewicz D, Huculeci R, Cook S, Magdy A, Desmet W, Cayla G, Vinereanu D, Voskuil M, Goktekin O, Vardas P, Timmis A, Haude M. Mapping interventional cardiology in Europe: the European Association of Percutaneous Cardiovascular Interventions (EAPCI) Atlas Project. Eur Heart J. 2020 Jul 14;41(27):2579-2588. doi:10.1093/eurheartj/ehaa475. PMID: 32584388.	10	29,983
4	2020	Knuuti J, Wijns W, Saraste A, Capodanno D, Barbato E , Funck-Brentano C, Prescott E, Storey RF, Deaton C, Cuisset T, Agewall S, Dickstein K, Edvardsen T, Escaned J, Gersh BJ, Svtil P, Gilard M, Hasdai D, Hatala R, Mahfoud F, Masip J, Muneretto C, Valgimigli M, Achenbach S, Bax JJ; ESC Scientific Document Group. 2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. Eur Heart J. 2020 Jan 14;41(3):407-477. doi: 10.1093/eurheartj/ehz425.	1301	29,983
5	2018	Xaplanteris P, Fournier S, Pijls NHJ, Fearon WF, Barbato E , Tonino PAL, Engström T, Kääh S, Dambrink JH, Rioufol G, Toth GG, Piroth Z, Witt N, Fröbert O, Kala P, Linke A, Jagic N, Mates M, Mavromatis K, Samady H, Irimpen A, Oldroyd K, Campo G, Rothenbühler M, Jüni P, De Bruyne B; FAME 2 Investigators. Five-Year Outcomes with PCI Guided by Fractional Flow Reserve. N Engl J Med. 2018 Jul 19;379(3):250-259. doi: 10.1056/NEJMoa1803538. Epub 2018 May 22. PMID: 29785878.	303	70,670
6	2017	Pellicano M, De Bruyne B, Toth GG, Casselman F, Wijns W, Barbato E . Fractional flow reserve to guide and to assess coronary artery bypass grafting. Eur Heart J. 2017 Jul 1;38(25):1959-1968. doi: 10.1093/eurheartj/ehw505. PMID: 28025191.	17	23,425
7	2016	Barbato E , Toth GG, Johnson NP, Pijls NH, Fearon WF, Tonino PA, Curzen N, Piroth Z, Rioufol G, Jüni P, De Bruyne B. A Prospective Natural History Study of Coronary Atherosclerosis Using Fractional Flow Reserve. J Am Coll Cardiol. 2016 Nov 29;68(21):2247-2255. doi: 10.1016/j.jacc.2016.08.055. PMID: 27884241.	79	19,896
8	2016	Mangiapra F, Di Gioia G, Pellicano M, Di Serafino L, Bressi E, Peace AJ, Bartunek J, Wijns W, De Bruyne B, Barbato E . Effects of Prasugrel Versus Clopidogrel on Coronary Microvascular Function in Patients Undergoing Elective PCI. J Am Coll Cardiol. 2016 Jul 12;68(2):235-7. doi: 10.1016/j.jacc.2016.04.039. PMID: 27386781.	11	19,896
9	2016	Adjedj J, De Bruyne B, Floré V, Di Gioia G, Ferrara A, Pellicano M, Toth GG, Bartunek J, Vanderheyden M, Heyndrickx GR, Wijns W, Barbato E . Significance of Intermediate Values of Fractional Flow Reserve in Patients With Coronary Artery Disease. Circulation. 2016 Feb 2;133(5):502-8. doi: 10.1161/CIRCULATIONAHA.115.018747. Epub 2016 Jan 5. PMID: 26733607.	82	19,309
10	2015	Van Nunen LX, Zimmermann FM, Tonino PA, Barbato E , Baumbach A, Engström T, Klauss V, MacCarthy PA, Manoharan G, Oldroyd KG, Ver Lee PN, Van't Veer M, Fearon WF, De Bruyne B, Pijls NH; FAME Study Investigators. Fractional flow reserve versus angiography for guidance of PCI in patients with multivessel coronary artery disease (FAME): 5-year follow-up of a randomised controlled trial. Lancet. 2015 Nov 7;386(10006):1853-60. doi: 10.1016/S0140-6736(15)00057-4. Epub 2015 Aug 30. PMID: 26333474.	275	44,002
11	2014	Peace AJ, Mangiacapra F, Bailleul E, Delrue L, Dierickx K, Conte M, Puymirat E, Fraeymans AL, Meeus P, Bartunek J, Volpe M, Barbato E . α 2A-Adrenergic receptor polymorphism potentiates platelet reactivity in patients with stable coronary artery disease carrying the cytochrome P450 2C19*2 genetic variant. Arterioscler Thromb Vasc Biol. 2014 Jun;34(6):1314-9. doi: 10.1161/ATVBAHA.114.303275. Epub 2014 Apr 10. PMID: 24723553.	4	6,008

12	2013	Toth G, De Bruyne B, Casselman F, De Vroey F, Pyxaras S, Di Serafino L, Van Praet F, Van Mieghem C, Stockman B, Wijns W, Degrieck I, Barbato E . Fractional flow reserve-guided versus angiography-guided coronary artery bypass graft surgery. <i>Circulation</i> . 2013 Sep 24;128(13):1405-11. doi: 10.1161/CIRCULATIONAHA.113.002740. Epub 2013 Aug 28. PMID: 23985788.	120	14,948
13	2013	Mangiacapra F, Peace AJ, Di Serafino L, Pyxaras SA, Bartunek J, Wyffels E, Heyndrickx GR, Wijns W, De Bruyne B, Barbato E . Intracoronary Enalaprilat to Reduce MICROvascular Damage During Percutaneous Coronary Intervention (ProMicro) study. <i>J Am Coll Cardiol</i> . 2013 Feb 12;61(6):615-21. doi: 10.1016/j.jacc.2012.11.025. Epub 2013 Jan 2. PMID: 23290547.	34	15,343
14	2012	De Bruyne B, Pijls NH, Kalesan B, Barbato E , Tonino PA, Piroth Z, Jagic N, Möbius-Winkler S, Rioufol G, Witt N, Kala P, MacCarthy P, Engström T, Oldroyd KG, Mavromatis K, Manoharan G, Verlee P, Frobert O, Curzen N, Johnson JB, Juni P, Fearon WF; FAME 2 Trial Investigators. Fractional flow reserve-guided PCI versus medical therapy in stable coronary disease. <i>N Engl J Med</i> . 2012 Sep 13;367(11):991-1001. doi: 10.1056/NEJMoa1205361. Epub 2012 Aug 27.	1681	51,658
15	2012	Barbato E , Bartunek J, Mangiacapra F, Sciarretta S, Stanzione R, Delrue L, Cotugno M, Marchitti S, Iaccarino G, Sirico G, Di Castro S, Evangelista A, Lambrechts D, Sinnaeve P, De Bruyne B, Van De Werf F, Janssens S, Fox KA, Wijns W, Volpe M, Rubattu S. Influence of rs5065 atrial natriuretic peptide gene variant on coronary artery disease. <i>J Am Coll Cardiol</i> . 2012 May 15;59(20):1763-70. doi: 10.1016/j.jacc.2012.02.017. PMID: 22575314.	35	14,086
16	2005	Barbato E , Piscione F, Bartunek J, Galasso G, Cirillo P, De Luca G, Iaccarino G, De Bruyne B, Chiariello M, Wijns W. Role of beta2 adrenergic receptors in human atherosclerotic coronary arteries. <i>Circulation</i> . 2005 Jan 25;111(3):288-94. doi: 10.1161/01.CIR.0000153270.25541.72. Epub 2005 Jan 10. PMID: 15642763.	56	11,632

Data, 14/11/2021

Firma

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