

Statement of Education and Qualifications

Name and Contacts

Academic Qualifications

Bernardo Cortese,	Medical Doctor Cardiologist Interventional Cardiologist II level University Master in Structural heart disease
Current positions	
-Consultant Interventional Cardiologist for coronary and structural heart disease -C.E.O.- DCB Academy -President of the Scientific Committee- Fondazione Ricerca e Innovazione Cardiovascolare , www.fondazioneric.org -Coordinator of the International Fellowship Program -European Society of Cardiology (ESC), since 2013 -Active Proctorships in complex coronary artery disease PCI (Academy Program): Bangladesh, Thailand, Malaysia, Singapore, Poland, Czech Republic, Austria, Croatia, Emirates, Serbia, Spain.	
Other positions	
Academic qualification to II-level Professorship (Italy) Contract Professor, Scuola Superiore Sant'Anna, Pisa (University Master in Interventional Cardiology), since 2018 Fellow of the European Society of Cardiology (FESC) Fellow of the Society of Society for Cardiovascular Angiography and Interventions (FSCAI) Fellow of the Indo-European Course of Revascularization (FIECR) Honorary Member of research foundation EPIC, Spain Board member of EAPCI Fellowship Committee since 2018 EuroPCR Programme Committee member EuroPCR abstract and LBCT grader TCT abstract grader Contract professor, University of Milano (School of Internal Medicine), 2016	

Education and Training

Name and Location of Institution	Degree and Year Awarded	Area of Study
Classical High School "Galileo Galilei", Pisa, Italy	Diploma, 1994	Classical studies
Pisa University, Pisa, Italy Faculty of Medicine and Surgery	Degree, a.y. 2000-2001	Medicine & Surgery
Lenox Hill Hospital, New York USA	Trainee at arrhythmology Unit, January 2003	Cardiology
Trainee at arrhythmology Unit	Lenox Hill Hospital, New York, USA, 2003	Cardiology

Various cardiology clinics, New Jersey and New York State, USA	Group Study Exchange, sponsored by Rotary International, 2004	Cardiology- coronary interventions
Pisa University, Italy Faculty of Medicine and Surgery	Specialization diploma, Degree of Cardiologist, 2005	Cardiology
Mirano Hospital, Cardiology Hospital Monzino, Italy	Master diploma, 2006 Treatment of complex coronary lesions	Interventional Cardiology
Villa Pini Hospital, Chieti, Italy	Course certif., 2007 Peripheral (BTK) interventional techniques	Interventional Cardiology
Le Molinette Hospital, Turin, Italy	Course certif., 2007 Peripheral interventional techniques	Interventional Cardiology
Casa di Cura Abano Terme, PD, Italy	Course certif., 2008 Diabetic foot-interventional techniques	Interventional Cardiology
Clinica Sant'Ambrogio, Milan, Italy	Courses certif., 2010, 2011 Carotid interventions	Interventional Cardiology
Clinica Città Studi, Milano, Italy	Course certif., 2009, 2010, 2011 Below the knee-interventional techniques	Interventional Cardiology
Multimedica Hospital, Milano, Italy	Course certif., 2011 Below the knee-interventional techniques	Interventional Cardiology
Toloz-Chenaz (Medtronic House), Switzerland	Course certif., 2011 TAVI program: CoreValve implanter certification	Interventional Cardiology
San Raffaele Hospital, Milano, Italy	Course certif., 2011 TAVI program: the Edward Sapien system	Interventional Cardiology
Gruppo Villa Maria Hospital, Cotignola, Italy	Peripheral interventions (specifically CAS), 2012	Interventional Cardiology
San Raffaele Hospital, Milano, Italy	Course certif., 2012 TAVI program: the CoreValve system	Interventional Cardiology
Bruxelles, Belgium	BVS Absorb advanced users, 2013	Interventional Cardiology
Sant'Anna University, Pisa, Italy	University Master II in structural Heart/Peripheral disease, 2016-2017	Interventional Cardiology

Previous Professional Experience

Position/Title	Location	Period
Chief (Director) of Cardiology (Cath lab, EP lab, ICU, ward)	Clinica Polispecialistica San Carlo, Paderno D., Milano, Italy	June 2018-June 2022
Director of Sub-intensive care-CPAP Covid patients	Clinica Polispecialistica San Carlo, Paderno D., Milano, Italy	October 2020-June 2022
Coordinator of Clinical & Scientific Research	Clinica Polispecialistica San Carlo, Paderno D., Milano, Italy	June 2018-June 2022
Senior Interventional Cardiologist; coordinator of scientific research (medical manager)	ASST Fatebenefratelli-Sacco, Milano, Italy	March 2016-June 2018

Senior Interventional Cardiologist; coordinator of scientific research (consultant)	ASST Fatebenefratelli-Sacco, Milano, Italy	May 2012-March 2016
Member of the scientific Committee of the Italian Scientific Society of Interventional Cardiology-GISE (Coordinator since 2016)	GISE	November 2014-November 2021
Member of the working group on peripheral circulation	European Society of Cardiology (ESC)	September 2011-ongoing
Board member of the working group on transradial interventions (Italian Radial Force)	Italian Radial Force/Club Radiale	October 2012-October 2018
Medical Manager (Interventional Cardiologist); Chief of Research, Innovation and Development of the Cardiac Dpt	Humanitas Gavazzeni, Bergamo, Italy	March 2011-April 2012
Medical Manager (Interventional Cardiologist)	Ospedale Maggiore Policlinico, Milano	November 2009-February 2011
Medical Manager (Interventional Cardiologist)	Ospedale della Misericordia, Grosseto	February 2007 – November 2009
Medical Manager (Interventional Cardiologist)	Chiavari Hospital, Chiavari	April 2006 – January 2007
Service operator (Interventional Cardiologist)	Clinical Physiology Institute (CNR), Pisa and Massa, Italy	January – March 2006
Service operator (Interventional Cardiologist)	Ospedale Maggiore della Carità, Cardiology Unit II, Novara, Italy	November 2005 – January 2006

Teaching activities

Institution	type	setting	year(s)
Scuola Superiore Sant'Anna Pisa (University of Medicine and Surgery)	lessons on interventional cardiology (Master: tutorial, lectures)	postgraduate	2018-current
University of Milano (Medicine and Surgery)	lessons on cardiology (tutorial, lectures)	undergraduate	2016-2017
Fellowship in Interventional Cardiology (European Society of Cardiology)	lessons on interventional cardiology (tutorial, lectures, cath lab)	postgraduate and research fellows	2013-current

Research grants obtained

Research project and type	entity of grant	issuer	role in the project	year(s)
TRANSFORM II study: international RCT of DCB vs DES PCI in native coronary vessels	3.100.000 Euro	Fondazione Ricerca e Innovazione Cardiovascolare (no profit)	Study Chairman	2020-current
ROCK I & II studies: international retrospective studies on the role of intravascular imaging for LM stenting	80.000 Euro	Abbot Vascular (profit)	Study Chairman	2017-2020

PICCOLETO II study: international RCT of DCB vs DES PCI in native coronary vessels	140.000 Euro	AR Baltic & AB Medica (profit)	Study Chairman	2015-2022
EASTBOURNE study: prospective multicenter study	180.000 Euro	Concept Medical (profit)	Study Chairman	2016-current
TRANSFORM I: international RCT of DCB vs DES PCI in native coronary vessels	960.000 Euro	Concept Medical (profit)	Study Chairman	2019-current
PICCOLETO V study	330.000 Euro	Fondazione Ricerca e Innovazione Cardiovascolare (no profit)	Study Chairman	2023-current
MUSICOTHERAPY: effects of musicotherapy in CAD patients	60.000 Euro	Fondazione Ricerca e Innovazione Cardiovascolare (no profit)	Study Chairman	2022-current

Previous and current participation in multicenter clinical trials

Indication of Trial	Clinical Phase of Trial (I-IV)	Role in Trial	Year in which trial was conducted
Rinspirate-IT (device for thrombus aspiration)	III; international	Investigator	2005-2006
STAR Trial (Stenting and High-Dose Bolus of Tirofiban or Aciximab in improving Reperfusion and clinical outcome of angioplasty for acute myocardial infarction)	IV	Investigator	2005
Stent register at sirolimus Cypher (Cordis E-SELECT)	IV; international	Investigator	2007
Clopidogrel dosage in acute coronary syndrome (CURRENT-OASIS 7)	IV; international; RCT	Investigator	2007
Management of elderly patients with ACS – ELDERLY ACS STUDY	IV	Investigator	2008
PROBI VIRI	IV	Chairman; Coordinator; primary Investigator	2007-2008
CHAMPION PCI STUDY (Cangrelor in ACS)	III; international; RCT	Primary Investigator	2008-2009
CHAMPION PLATFORM STUDY(Cangrelor in ACS)	III; international; RCT	Primary Investigator	2009
KARE study (Kaname stent)	III; international	Investigator	2010
SECURITY	IV	Investigator	2010
AGE-MI (Bivalirudin during STEMI)	III	Primary Investigator	2011
MATRIX study (Radial vs Femoral route for ACS-PCI)	IV; international; RCT	Primary Investigator/ Executive Committee	2011-2016
PICCOLETO II (Drug coated balloon in small coronary vessels)	IV; RCT	Chairman; Coordinator; Primary Investigator	2014-2021
MATRIX study: Italian Coordinator (centre-north of Italy)	IV; international; RCT	Primary Investigator/ country coordinator	2012-2015
IT-DISAPPEARS registry (Absorb BVS)	IV	Primary Investigator	2014-2021

RAI registry (Absorb BVS)	IV	Primary Investigator/Executive Committee	2014-2021
Falcon In.Pact Registry (drug-coated balloon)	IV; international	Primary Investigator/Country Coordinator	2014-2018
BVS STEMI STRATEGY (BVS in STEMI)	IV; national	Primary Investigator/Executive Committee	2015-2021
BIVAL trial (bivalirudin)	IIIb; international	Primary Investigator/Country Coordinator	2013-2016
RENASCENT II trial (Amaranth biovascular scaffold)	II; international	Investigator	2015-2016
RENASCENT III trial (Amaranth biovascular scaffold)	II; international	Investigator	2016
TWILIGHT (ticagrelor vs ASA+ticagrelor complex PCI)	III; international	Investigator	2016-2019
CAPITAL (BVS)	IV	Primary Investigator	2016-2017
DUBIUS (ticagrelor vs prasugrel ACS)	IV	Primary Investigator	2016-2017
EASTBOURNE prospective registry (sirolimus coated balloon for coronary PCI)	III; international	Chairman; Primary Investigator	2016-ongoing
TRANSFORM II Sirolimus-coated balloon vs EES in native coronary vessels	III; international; RCT	Chairman	2020-ongoing
TRANSFORM I Sirolimus-coated balloon vs paclitaxel DCB in small vessels	III; international; RCT	Chairman	2018-ongoing
ROCK I study (OCT guidance during LM PCI)	III; international	Chairman; Primary Investigator	2017-18
ROCK II study (OCT guidance during LM PCI)	III; international	Chairman; Primary Investigator	2018-2021
DEDICATE (DES)	III; national	Primary Investigator	2017-ongoing
HALE-BOPP (FFR)	III; international	Primary Investigator	2017-2021
PERSEO (antithrombotics)	III; national	Primary Investigator	2018-ongoing
iMODERN (RCT STEMI complete vs incomplete revascularization)	III; international; RCT	Primary Investigator	2020-2022
SMILE (Shockwave lithotripsy)	III; national	Primary Investigator	2019-2021
MASTER (cangrelor)	III; national	Primary Investigator	2019
ADHERE (antiplatelets in patients undergoing surgery)	III; national	Primary Investigator	2019-2021
SCAD REGISTRY (ESC study on SCAD)	III; international	Primary Investigator	EC pending
ABILITY study (DES in diabetic pts)	III; international; RCT	Primary Investigator	2021-ongoing
REFORM (biolimus DCB)	II; international; RCT	Steering committee	EC pending
DIFFER (FFR)	IV; national	Investigator	2019-ongoing
PREPARE (sirolimus vs paclitaxel DCB)	IV; international	Chairman	2019-2021
SELUTION SLR™ 014 ISR (SCB in ISR)	IV; international	DSMB Member	2020-ongoing

ROTASHOCK (Shockwave lithotripsy+Rotablation)	IV; national	Investigator	2020-ongoing
CORALYS (heart failure in ACS)	IV; national	Investigator	2020-2022
TARGET FIRST (DAPT duration in ACS)	IV; international	Investigator	EC pending
INTERCLIMA (OCT in complex coronary lesions)	IV; national	Investigator	EC pending
PRO DAVID (DCB in bifurcation lesions)	IV; international	Steering Comm member	EC pending
CRUNCH (Shockwave lithotripsy in underexpanded stents)	IV; international	Investigator	2020-2022
HOPE (Cardiovascular management in Covid patients)	IV; international	Investigator	2020-ongoing
PICCOLETO III (SCB vs PCB vs DES in complex lesions)	IV; international; RCT	Chairman	EC pending
CANDY (OCT in ISR)	IV; national; registry	Investigator	2022-
AIACE (high bleeding risk)	IV; national; registry	Steering Committee; Investigator	EC pending
MUSICOTHERAPY IN CAD pts	IV; RCT	Chairman	EC pending
WATCHMAN registry (LAAO)	IV; registry	Investigator	2021-
PICCOLETO IV-EPIC (SAPT in DCB)	IV; RCT	Chairman	2022-
PICCOLETO V (BIF with DCB)	IV; RCT	Chairman	2022-

Faculty member at major International Meetings (since 2012)

MEET 2012, Rome	LINC 2012, Leipzig	Charing Cross 2012, London
CRT meeting (Washington DC), <i>young leader year 2012</i>	CRT 2013, Washington DC	EuroPCR 2013, Paris
Indian College of Cardiology 2013, Trivandrum	TCT 2013, San Francisco	First International DCB Course, Milano 2014 (Course Promoter, Director and Organizer)
AIM RADIAL 2014, Chicago	AIM RADIAL 2015, Liverpool	DCB Course 2015, Madrid
GISE 2015 (Scientific Committee)	EuroPCR 2016, Paris	AIM RADIAL 2016, Budapest
TOBI 2016	TCT 2016, Washington DC	GISE 2016 (Scientific Committee)
JIM 2017, Milano	TCT Russia 2017	
Third International DCB Course, Berlin 2016 (Course Director)	CRT 2017, Washington DC	EuroPCR 2017, Paris
TCT 2017, Denver, US	JIM 2018, Milano	CRT 2018, Washington DC, US (Course Director)
TCT Asia-Pacific 2018, Seoul, S. Korea	American College of Cardiology 2019	EuroPCR 2018, Paris
TCT 2018, San Diego, US	JIM 2019, Milano, Italy	India Live 2019, Mumbai, India
EuroPCR 2019, Paris	C3, Orlando, 6.19	Solaci 2019, San Paulo, Brasil
TCT Asia-Pacific 2019, Seoul, S. Korea	TCT 2019, San Francisco	ASSA 2019, Shenzhen China 12.2019
JIM 2020, Milano, 2.20	CRT 2020, Washington, 2.20	Indialive 2020, New Delhi, 2.20
TCTAP 2020, Seoul, 4.20	C3, Orlando, 6.20	TCT 2020, Miami, 9.20
CRT 2021, web, 2.21	COBI, Moscow, web 5.21	CardioAlex 2020, web, 10.20
EuroPCR 2021, web, 5.21	CHIP 2021, Milano, 10.21 (organizer)	CardioAlex 2021, web, 6.21
European Bifurcation Club (EBC), UK,	TCT 2021, web, 10.21	CRT 2022, Washington, 2.22

10.21		
EuroPCR 2022, Paris 5.22	CardioAlex 2022, Alexandria (Egypt), 6.22	TCT 2022, Boston, 9.22
AsiaPCR, Singapore, 10.22	European Bifurcation Club (EBC), Spain, 10.22	JIM 2023, Milano, Italy
CRT 2023, Washington, USA (Course Director coronary interventions)		

Technical skills

Setting	Type	Time course
Clinical Cardiology	Echocardiography	2001-ongoing
Interventional Cardiology	Coronary Percutaneous Interventions	2004-ongoing (proctor)
Interventional Cardiology	Peripheral Percutaneous Interventions: iliac, femoral, below the knee, renal, mesenteric, carotid	2007-ongoing
Interventional Cardiology	Transcatheter aortic valve implantations TAVI: Corevalve (abilit. 2.2011), Edward Sapien (abilit. 8.2011), Acurate Neo (abilit. 11.2019), MyVal, Portico	2011-ongoing
Interventional Cardiology	Coronary Sinus Reducer implantation	2016-ongoing (proctor)
Interventional Cardiology	Abdominal aorta endoprosthesis implantation	2011-2012
Interventional Cardiology	Left Atrial appendage closure (Amulet and Watchman Flex)	2018-ongoing (proctor)

Fields of expertise

Setting	
Transradial PCI, currently 96% of coronary procedures	
Diabetic foot PTA	
Transradial peripheral interventions (iliac, mesenteric, renal, carotid)	
Drug coated balloons in the coronary and peripheral field	
Bioresorbable scaffolds (coronary)	
Antithrombotics in the cath lab (bivalirudin, cangrelor, ticagrelor, abciximab)	
Dr Cortese conceived the Italian Guidelines on Drug-Eluting Balloon angioplasty in the coronary field, that were endorsed by the Italian Scientific Society of Interventional Cardiology (GISE)	2014
Dr Cortese conceived the International Guidelines on Drug-Eluting Balloon angioplasty in the peripheral field, published in the European Heart Journal. Steering Committee: B Cortese, B Scheller, J Granada, T Zeller	2015
Patent pending for drug-delivery intra-arterial device	
Endurance and stress sports – athletes' handling and cardiovascular risk assessment	

Research activities: Editorial Boards and Reviewer

TCT abstract grader, since 2015
EuroPCR abstract and LBCT grader, since 2019

Catheterization and Cardiovascular Interventions (Editorial Board member)
Cardiovascular Revascularization Medicine (Associate Editor)
Eurointervention (Editorial Board member)
Minerva Cardio-Angiologica (Editorial Board member)
PloS One (Editorial Board member)
BMC Cardiovascular Disorders (Associate Editor)
New England Journal of Medicine
Circulation
American Journal of Cardiology
The Lancet
International Journal of Cardiology
Frontiers in Cardiovascular Medicine - Structural Interventional Cardiology
Indian Journal of Medical Sciences
Circulation Cardiovascular Interventions
JACC-Cardiovascular Interventions
Circulation-Cardiovascular Interventions
Future Cardiology
American Journal of Cardiovascular Drugs
Metcardio
Theradialist.org
Journal of SCAI

Scientific production (see attachment)

Over 320 publications in peer-reviewed international journals, Pub Med indexed (see attachment).

Languages spoken

Italian-native
English-fluent
French-B1

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Bernardo Cortese, MD
March 3rd, 2023