

Statement of Education and Qualifications

Academic Qualifications

	MD Cardiologist Interventional Cardiologist II level University Master in structural heart disease
Current positions: - Director, Cardiology (Cath lab, EP lab, ICU), Clinica Polispecialistica San Carlo, Paderno Dugnano, Milano, Italy, since June 2018 -Coordinator of the International Fellowship Program-European Society of Cardiology (ESC), since 2013 -Coordinator of Clinical & Scientific Research at San Carlo Clinic	
Other Academic qualification to II-level Professorship (Italy) Fellow of the European Society of Cardiology (FESC) Board member of EAPCI Fellowship Committee 2018-2020 EuroPCR 2019 Programme Committee member Fellow of the Indo-European Course of Revascularization (FIECR) Member (manager) of the Scientific Committee of the Italian Society of Interventional Cardiology (GISE) Contract professor, University of Milano (School on Internal Medicine) Contract professor, Scuola Superiore Sant'Anna, Pisa (University Master in Interventional Cardiology)	

Telephone Number, Email, Website

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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- Advanced coronary interventions (GSE program)

Group Study Exchange	Various cardiology clinics, New Jersey and New York State, USA-2004	Cardiology
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 Periferal interventional techniques	Interventional Cardiology
Le Molinette Hospital, Turin, Italy	Course certif., 2007 Periferal 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: the CoreValve system	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		
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-ongoing
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-ongoing
Previous Medical Manager (Interventional Cardiologist); Chief of Research, Innovation and Development of the Cardiac Dpt	Humanitas Gavazzeni, Bergamo, Italy	March 2011-April 2012
Previous Medical Manager (Interventional Cardiologist)	Ospedale Maggiore Policlinico, Milano	November 2009-February 2011
Previous Medical Manager (Interventional Cardiologist)	Ospedale della Misericordia, Grosseto	February 2007 – November 2009
Previous Medical Manager (Interventional Cardiologist)	Chiavari Hospital, Chiavari	April 2006 – January 2007
Previous Service operator (Interventional Cardiologist)	Clinical Physiology Institute (CNR), Pisa and Massa, Italy	January – March 2006
Previous Service operator (Interventional Cardiologist)	Ospedale Maggiore della Carità, Cardiology Unit II, Novara, Italy	November 2005 – January 2006

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	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	Primary Investigator	2008-2009
CHAMPION PLATFORM STUDY(Cangrelor in ACS)	III; international	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	Primary Investigator/ Executive Committee	2011-2016
PICCOLETO II (Drug coated balloon in small coronary vessels)	IV	Chairman; Coordinator; Primary Investigator	2014-ongoing
MATRIX study: Italian Coordinator (centre-north of Italy)	IV; international	Primary Investigator/ country coordinator	2012-2015
IT-DISAPPEARS registry (Absorb BVS)	IV	Primary Investigator	2014-ongoing
RAI registry (Absorb BVS)	IV	Primary Investigator/Executive Committee	2014-ongoing
Falcon In.Pact Registry (drug-coated balloon)	IV; international	Primary Investigator/ Country Coordinator	2014-ongoing
BVS STEMI STRATEGY (BVS in STEMI)	IV; national	Primary Investigator/Executive Committee	2015-ongoing
BIVAL trial (bivalirudin)	IIIb; international	Primary Investigator/Country Coordinator	2013-2016
RENASCENT II trial (Amaranth biovascular scaffold)	II; international	Investigator	2015-ongoing
RENASCENT III trial (Amaranth biovascular scaffold)	II; international	Investigator	2016
TWILIGHT (ticagrelor vs ASA+ticagrelor complex PCI)	III; international	Investigator	2016-ongoing
CAPITAL (BVS)	IV	Primary Investigator	2016-ongoing
DUBIUS (ticagrelor vs prasugrel ACS)	IV	Primary Investigator	2016-ongoing
EASTBOURNE registry (sirolimus coated balloon for coronary PCI)	III; international	Chairman; Primary Investigator	2016-ongoing
TRANSFORM II Sirolimus-coated balloon vs EES in small vessels	III; international	Chairman	2018-ongoing
TRANSFORM I Sirolimus-coated balloon vs paclitaxel DCB in small vessels	III; international	Primary Investigator	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-ongoing
DEDICATE (DES)	III; national	Primary Investigator	2017-ongoing
HALE-BOPP (FFR)	III; international	Primary Investigator	2017-ongoing
PERSEO (antithrombotics)	III; national	Primary Investigator	2018-ongoing
iMODERN (RCT STEMI complete vs incomplete revascularization)	III; international	Primary Investigator	EC pending
SMILE (Shockwave)	III; national	Primary Investigator	2019-ongoing
MASTER (cangrelor)	III; national	Primary Investigator	2019-ongoing
ADHERE (antiplatelets in patients undergoing surgery)	III; national	Primary Investigator	EC pending
SCAD REGISTRY (ESC study on SCAD)	III; international	Primary Investigator	EC pending

Faculty member at major international meetings (last years)

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. Corea	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. Corea	TCT 2019, San Francisco, US	

Main competences

Setting	Type	Time course
Clinical Cardiology	Echocardiography	2001-ongoing
Interventional Cardiology	Coronary Percutaneous Interventions	2004-ongoing
Interventional Cardiology	Peripheral Percutaneous Interventions: iliac, femoral, below the knee, renal, mesenteric, carotid	2007-ongoing
Interventional Cardiology	Transcatheter aortic valve implantations TAVI: Corevalve (abilit. 1.2011), Edward Sapien (abilit. 8.2011), Acurate Neo (abilit. 11.2019)	2011-ongoing (total 25 implantations as first operator)
Interventional Cardiology	Peripheral Interventions: abdominal aorta endoprosthesis implantation	2011-2012

Fields of expertise

Setting
Average increase in the number of PCIs in the cath labs where I have been working (years 2007-2018): +6.2% per year
Transradial PCI, currently >95% 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	

International Journals (Reviewer/Editorial Board member)

Circulation	
American Journal of Cardiology	
Over 230 publications in peer-reviewed international journals, Pub Med indexed (see attachment).	
The Lancet	
International Journal of Cardiology	
Indian Journal of Medical Sciences	
Circulation Cardiovascular Interventions	<i>Bernard Cortese, MD</i> <i>November 5th, 2019</i>
JACC Cardiovascular Interventions	
Eurointervention (Editorial Board member)	
Catheterization and Cardiovascular Interventions	
Future Cardiology	
PloS One (Editorial Board)	
American Journal of Cardiovascular Drugs	
Cardiovascular Revascularization Medicine (Associate Editor)	
PloS One (Editor)	
BMC Cardiovascular Disorders (Associate Editor)	
Metcardio	
Theradialist.org	

Scientific production (see attachment)