

Curriculum Vitae 2020

Carlo Di Mario

Posizione Attuale e Indirizzo

- Professore Ordinario di Cardiologia, Università di Firenze
- Direttore della Scuola di Specializzazione in Malattie Cardiovascolari Università di Firenze
- Direttore del Master in Clinical Competence in Terapia Intensiva Cardiologica Univ. di Firenze
- Direttore SODc Cardiologia Interventistica Strutturale AOUC Careggi

Training ed Educazione

- "Liceo Classico R. Franchetti", Venezia, Italia, 60/60.
- Laurea in Medicina e Chirurgia all'Università di Padova, 110/110 e lode. Media degli esami: 30/30.
- Certificato come Cardiologo in Olanda
- Certificato come Cardiologo nel Regno Unito

Titoli Post-Laurea

- Specializzato in Cardiologia all'Università di Padova (Direttore Prof. S. Dalla Volta) 70/70 e lode
- PhD all'Erasmus University, Rotterdam, Olanda sul tema "Imaging e Doppler intracoronarico" Relatori: Prof. P.W. Serruys, Prof. J.R.T.C. Roelandt; Thoraxcenter, Rotterdam

Affiliazioni e Cariche in Società Scientifiche

- Membro (1981) della Società Italiana di Cardiologia (S.I.C.)

- Membro (1984) del Gruppo Studi Emodinamici (GISE)
- Membro (1987) dell'Associazione Nazionale dei Cardiologi Ospedalieri (A.N.M.C.O.)
- Rappresentante per la Società Europea di Cardiologia (ESC) nel Comitato sugli Standard DICOM 77
- Membro della Task Force che ha redatto le linee guida 2002 della Società Europea di Cardiologia sulla Morte Improvvisa
- Membro (2003) della British Cardiac Society (BCS)
- Membro (2003) della British Cardiac Interventional Society (BCIS)
- Segretario (2002-2004) del Working Group sul Circolo Coronarico della Società Europea di Cardiologia
- Vice-Presidente (2004-2006) del Working Group di Cardiologia Interventistica della Società Europea di Cardiologia
- Revisore delle linee guida 2005 della Società Europea di Cardiologia sugli Interventi percutanei coronarici
- Membro nominato dalla Società Europea di Cardiologia (2004-2007) dello European Board for the Specialty in Cardiology, un Comitato congiunto della Unione dei Medici Specialisti Europei (UEMS) e ESC
- Presidente (2004-2008) del Gruppo di Lavoro su Training in Cardiologia Interventistica della Società Europea di Cardiologia e primo autore del Curriculum per questa Sotto-specialità approvato dalla Società Europea di Cardiologia e tuttora in vigore (pubblicato su EuroIntervention nel 2007)
- Membro del Comitato di Garanti della Società di Angiografia e Interventistica (SCAI) – Stati Uniti
- Membro del Comitato Scientifico di stesura del programma 2003-05 del Congresso dell' American College of Cardiology
- Direttore (2005-2011) del London Interventional Cardiology Fellows Course, un'iniziativa educativa ufficiale dell' Associazione Europea di Interventistica Cardiovascolare Percutanea (EAPCI)
- Revisore e coautore delle linee guida 2007 della Società Europea di Cardiologia sull'Infarto Miocardico con Elevazione del Segmento ST (STEMI)
- Presidente Eletto (2007-2009) dell' Associazione Europea di Interventistica Cardiovascolare Percutanea (EAPCI)
- Membro (2008-2012) del Comitato Scientifico per la preparazione del Congresso Annuale ESC sugli argomenti Coronary Artery Disease/ Peripheral Disease/Cardiovascular Surgery riportando per due anni un sommario delle novità emerse durante il Congresso durante la Cerimonia di Chiusura
- Presidente (2009-11) dell' Associazione Europea di Interventistica Cardiovascolare Percutanea (EAPCI) dalla Società Europea di Cardiologia
- Membro della Task Force congiunta ESC-EACTS (Associazione Europea dei Chirurghi Cardiovascolari) responsabile della stesura delle Linee Guida 2010 sulla Rivascolarizzazione Miocardica
- Direttore del Registro sul Trattamento con Valvole Transcatetere della Società Europea di Cardiologia
- Relatore per la ESC in vari congressi internazionali congiunti (Società di Cardiologia dell'Arabia Saudita 2012 and 2013; Brasile 2012, Egitto 2013))
- Membro (dal 2009) del Comitato Esecutivo dell'iniziativa congiunta EAPCI/ESC Stent per la Vita
- Membro della Task Force che ha redatto le linee guida 2012 della Società Europea di Cardiologia sull'Infarto Miocardico con Elevazione del Segmento ST (STEMI)
- Membro della Task Force che ha redatto le linee guida 2013 della Società Europea di Cardiologia sull' Angina Stabile
- 2013-15 Consigliere della Società Europea di Cardiologia
- 2013-15 Membro dell' Interventional Committee dell' American College of Cardiology
- 2017: Presidente Eletto dello EuroCTO Club
- 2019: Presidente Eletto della Sezione Tosco-Umbra della Società Italiana di Cardiologia

Insegnamento

- 1991-2020: invited Speaker o Direttore-Codirettore di Congressi Nazionali e Internazionali con più di 1000 letture compreso il Congresso della Società Europea di Cardiologia, American Heart Association, American College of Cardiology, TransCatheter Therapeutics, CRT, EuroPCR
- 1991-95: Junior Lecturer Erasmus University Rotterdam (esercitazioni e lezioni a studenti di Medicina e Specializzandi in Cardiologia)
- 2002: Fondatore con il Dr Colombo e Professor Maseri del Master in Interventional Cardiology dell'Università Vita-Salute "San Raffaele" Milano, Italia.
- 2001-2003: Professore a Contratto di Cardiologia Interventistica nel Master Chirurgia Endovascolare Università Milano-Bicocca (Professor Biase).
- 1991-2000: Direttore di 3 corsi nell'ambito dell' Education & training programme presso la European Heart House di Sophia Antipolis (Eco e Doppler intravascolare, Brachiterapia, Imaging Intracoronarico)
- 2003-2016: Supervisore di 32 Research o Training Cardiology Fellowships semestrali o annuali presso il Royal Brompton Hospital: Omer Goktekin (ora Professore Cardiologia Università di Istanbul, Turchia), Francesco Borgia (ora Ricercatore, Univ di Napoli), Jun Tanigawa (ora Cath Lab Director, Kyoto, Japan), Sahin Kaplan (ora Cath Lab Director, Trebizond, Turkey), Antonio La Manna (Univ. Di Catania), Giuseppe Ferrante (Humanitas), Francesca Pugliese (Barts Hospital, now Cardiac Imaging Research Director), Pawel Tyczynski (Univ di Varsavia), Gioel Gabrio Secco (Osp. Alessandria), Francesca Del Furia (Osp San Donato), Alessio Mattesini (Univ Firenze), Gianluca Caiazza (Univ Napoli), Enrico Fabris (Univ Trieste), Matteo Ghione (Osp Savona), Roberta Serdoz (Univ Roma Tor Vergata), Rodrigo Estevez-Louriero (Univ Leon, Spagna), Rafael Moscicki (Univ Cadiz, Spagna), Paulo Aguiar-Soto (Univ Salamanca, Spagna), Eduardo Alegria-Barrero (Univ Madrid), Nikolaidis Konstantinides (Univ Salonicco, Grecia), Renato Parisi (Univ Catania, ora Osp Pesaro), Michele Pighi (Univ Verona, ora Montreal Heart Center, Canada), Carlo Zivelonghi (Univ Verona, ora Osp. Zwolle, Olanda), Nicola Viceconte (Univ Roma Sapienza), Alessandra Giavarini (Osp Sacco, Milano), Rodrigo Teijero Mestre (Univ Bogotà), Gianni Dall'Ara (Univ Bologna), Dimitri Syrseloudis (Univ Athens, ora Univ Hosp Croydon, London), Pak Hei Chan (Univ Queen Mary, Hong Kong), Liviu Ghilencea (Univ Bucarest, Romania),
- 2007: Supervisore di 3 MSc tesi dei Dr MW Islam, AS Tanko, AS Hasan (Imperial College, Londra);
- 2008: Supervisore della tesi di MD su "Cardiovascular Assessment with MSCT" del Dott E. Nicol (Imperial College).
- 2004-2010- Membro del Comitato di Valutazione di 4 PhD tesi all'Erasmus University di Rotterdam:
- 2005-2009: Professore a Contratto di della Specializzazione in Cardiologia dell' Università di Catania (Professor Tamburino)
- 2009: Promotore del Dr Peter Barlis, PhD student al Royal Brompton tra 2005 e 2008
- 2009: Supervisore della tesi di PhD del Dr N. Hadjiloizou (Imperial College)
- 2007-2012: Direttore del Fellows Training Course dell'EAPCI, Royal College of Physicians, Londra

- 2003-2016: Undergraduate & post graduate teaching sia come lezioni formali che esercitazioni e supervisione di attività clinica, Royal Brompton Hospital e Imperial College.
- 2013-16: Supervisore della tesi di PhD su “Renal Denervation in PEF Heart Failure” del Dott Hitesh Patel
- 2016-attuale: Professore Ordinario di Malattie Cardiovascolari, Università di Firenze (lezioni ed esami a studenti in Medicina e in Odontoiatria e a specializzandi in Cardiologia)
- 2017-attuale: Supervisore 2 tesi PhD Università di Firenze: Dottoranda Giulia Pontecorboli: Triage della cardiomiopatia ischemica e dilatativa in pazienti con HIV; Dottoranda Carlotta Sorini Dini: Litotripsia in severe lesioni calcifiche coronariche
- 2017-attuale: Coordinatore del primo semestre 4 Anno Medicina, Univ Firenze
- 2017: Membro del Comitato didattico per la revisione del Curriculum di Medicina e l’avvio di un corso in Inglese presso la Facoltà di Medicina, Univ di Firenze
- 2018-attuale: Supervisore Borsa di Studio Dr Brunilda Hamiti: Impatto clinico dell’Heart Team Cardiologia Interventistica Strutturale dell’Area Vasta Centro Toscana
- 2019-20: Supervisore di due assegni di ricerca: Dr Francesca Ristalli: Stima del regurgito aortico paraprotetico dopo TAVI: confronto tra risonanza magnetica, ecocardiografia e parametri emodinamici; Dott. Antonio Martellini: Ipertensione polmonare: Nuove Frontiere in Terapia
- 2018-2020: Relatore di 19 tesi di Laurea Magistrale in Medicina e Chirurgia: Antonio Parise: Anestesia locoregionale ecoguidata versus sedoanalegia durante TAVI: effetti emodinamici valutati con metodica miniinvasiva (PRAM); Giulia Migliozzi: Esperienza di un Heart-Brain team dedicato a pazienti con forame ovale pervio; Ginevra Corti: Degenerazione di bioprotesi aortiche transcateretere a 5 anni: esperienze delle prime 180 TAVI a Careggi Firenze; Michele Draisci: Caratterizzazione della placca aterosclerotica con OCT nelle sindromi coronariche acute; Jacopo Venturini: Riparazione valvolare mitralica transcateretere con la MitraClip; Roberto Falco: Imaging intracoronarico come guida alla rivascolarizzazione percutanea del tronco comune della coronaria sinistra; Giulio Jacopetti: Valutazione di un algoritmo emodinamico per la stima del regurgito aortico paraprotetico dopo TAVI: confronto con la risonanza magnetica; Jacopo Lomi: Denervazione renale nell’ipertensione arteriosa resistente. Esperienza 2102-19 in Toscana; Giovanni D’Errico: Intezioni da HCV e cardiopatia ischemica: comorbidità o fattore di rischio emergente?; Tommaso Bini: Gestione contemporanea della cardiopatia ischemica stabile: ruolo della valutazione invasiva e non per l’identificazione dell’ischemia inducibile; Beatrice Bacchi: Long-term prognosis in Takotsubo syndrome: a novel predictive score derived from 1160 patients of the InterTAK registry (in cooperation with University of Zurich); Matteo Tarocchi: Ticagrelor polverizzato somministrato in ambulanza o in sala di emodinamica nell’angioplastica primaria; Edoardo Messina: Morfologia dell’auricola sinistra ed eventi cerebrovascolari nei pazienti candidati a TAVI: ruolo dell’angioTAC preoperatoria; Edoardo Sottili: Valutazione ecocardiografica della funzione diastolica ventricolare sinistra: valutazione di un nuovo parametro ottenuto dalla analisi M-mode del movimento dell’anello mitralico; Alessia Ciarlito: Miglioramento della gestione dello scompenso cardiaco con l’uso di dispositivi impiantabili per il monitoraggio pressorio atriale sinistro; Mauro Bagli: Results of systematic cardiovascular screening of HIV patients; Maria Federica Crociani: La ricanalizzazione delle occlusioni croniche in tre ospedali toscani. Considerazioni derivate dallo studio di 180 pazienti consecutivi;
- Membro del Collegio di Dottorato in Scienze Cliniche del Dipartimento di Medicina Sperimentale e Clinica

- Membro del Comitato di Indirizzo ed Autovalutazione del Dipartimento di Medicina Sperimentale e Clinica dell'Università di Firenze
- Docente nel Master in Terapia Transcatetere delle Cardiopatie Strutturali e del Master in Terapia Transcatetere delle Cardiopatie Coronariche presso l'Università Sant'Anna di Pisa
- Docente del Master in Clinical Competence in Heart Failure promosso dall'ANMCO presso l'Università di Firenze (tre edizioni, 2018, 2019, 2020)
- Direttore della Scuola di Specializzazione in Malattie Cardiovascolari dell'Università di Firenze dal 2019 (43 allievi nel 2020)

Principali Comitati Editoriali

- European Heart Journal
- EuroIntervention (Associate Editor dal 2012, now Section editor per State-of-the-Art reviews)
- European Journal of Cardiovascular Imaging (Associate Editor dal 2008)
- International Journal of Cardiology (Associate Editor: 2004-2020)
- Catheterization & Cardiovascular Interventions
- Journal of Cardiovascular Medicine (formerly Italian Heart Journal)
- Internal and Emergency Medicine (Associate Editor)
- Journal of the American College of Cardiology
- Cardiovascular Revascularization Medicine
- Heart (1995-2010)

Fellowships / Premi

- Fellow (1990) della Società Europea di Cardiologia (FESC)
- Fellow (1995) dell' American College of Cardiology (FACC)
- Fellow (1997) della Society of Cardiac Angiography & Interventions (FSCAI)
- Fellow (2005) del Royal College of Physicians (FRCP)
- Premio alla Carriera (2003) della Società Polacca di Cardiologia Interventistica
- Premio alla Carriera (2005) della Società Serba di Cardiologia Interventistica
- Senior Investigator (2010) National Institute of Health Research
- Bronze National (2011, rinnovato 2016) NHS Award
- Professore Onorario di Cardiologia Università di Belgrado
- Cittadinanza Onoraria Comune Palazzo San Gervasio (Potenza)
- Premio Eccellenze Lucane Fiorentine

Pubblicazioni

- 697 pubblicazioni su peer reviewed journals (H-index 84, 32429 citazioni Dic 2019): elenco 216 articoli ultimi 5 anni (2014-2019)
1. Ding KJ, Cammann VL, Szawan KA, Stähli BE, Wischnewsky M, Di Vece D, Citro R, Jaguszewski M, Seifert B, Sarcon A, Knorr M, Heiner S, Gili S, D'Ascenzo F, Neuhaus M, Napp LC, Franke J, Noutsias M, Burgdorf C, Koenig W, Kherad B, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Pott A, Meyer P, Arroja JD, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Paolini C, Bilato C, Carrilho-Ferreira P, Opolski G, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Dichtl W, Chan C, Bridgman P, Delmas C, Lairez O, El-Battrawy I, Akin I, Gilyarova E, Shilova A, Gilyarov M, Kozel M, Tousek P, Widimský P, Winchester DE, Galuszka J, Ukena C, Horowitz JD, Di Mario C, Prasad A, Rihal CS, Pinto FJ, Crea F, Borggreffe M, Braun-Dullaeus RC, Rottbauer W, Bauersachs J, Katus HA, Hasenfuß G, Tschöpe C, Pieske BM, Thiele H, Schunkert H, Böhm M, Felix SB, Münzel T, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Bossone E, Templin C. Intraventricular Thrombus Formation and Embolism in Takotsubo Syndrome: Insights From the International Takotsubo Registry. *Arterioscler Thromb Vasc Biol*. **2019** Nov 26:ATVBAHA119313491. doi: 10.1161/ATVBAHA.119.313491. [Epub ahead of print] PMID:31766870
 2. Ristalli F, Dini CS, Stolcova M, Nardi G, Valente S, Meucci F, Di Mario C. Role of Lithotripsy for Small Calcified Iliacs in the Era of Big Devices. *Curr Cardiol Rep*. **2019** Nov 22;21(11):143. doi: 10.1007/s11886-019-1245-2. Review. PMID:3175836
 3. Jurisic S, Gili S, Cammann VL, Kato K, Szawan KA, D'Ascenzo F, Jaguszewski M, Bossone E, Citro R, Sarcon A, Napp LC, Franke J, Noutsias M, Knorr M, Heiner S, Burgdorf C, Koenig W, Pott A, Kherad B, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Meyer P, Arroja JD, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Dworakowski R, Kaiser C, Osswald S, Galiuto L, Dichtl W, Chan C, Bridgman P, Beug D, Delmas C, Lairez O, Kozel M, Tousek P, Winchester DE, Gilyarova E, Shilova A, Gilyarov M, El-Battrawy I, Akin I, Galuszka J, Ukena C, Poglajen G, Paolini C, Bilato C, Carrilho-Ferreira P, Pinto FJ, Opolski G, MacCarthy P, Kobayashi Y, Prasad A, Rihal CS, Widimský P, Horowitz JD, Di Mario C, Crea F, Tschöpe C, Pieske BM, Hasenfuß G, Rottbauer W, Braun-Dullaeus RC, Felix SB, Borggreffe M, Thiele H, Bauersachs J, Katus HA, Schunkert H, Münzel T, Böhm M, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Templin C. Clinical Predictors and Prognostic Impact of Recovery of Wall Motion Abnormalities in Takotsubo Syndrome: Results From the International Takotsubo Registry. *J Am Heart Assoc*. **2019** Nov 5;8(21):e011194. doi: 10.1161/JAHA.118.011194. Epub **2019** Nov 1. PMID:31672100
 4. Serruys PW, Chichareon P, Modolo R, Leaman DM, Reiber JHC, Emanuelsson H, Di Mario C, Pijls NHJ, Morel MA, Valgimigli M, Farooq V, van Klaveren D, Capodanno D, Andreini D, Bourantas CV, Davies J, Banning AP, Escaned J, Piek JJ, Echavarría-Pinto M, Taylor CA, Thomsen B, Collet C, Pompilio G, Bartorelli AL, Glocker B, Dressler O, Stone GW, Onuma Y. The SYNTAX score on its way out or ... towards artificial intelligence: part I. *EuroIntervention*. **2019** Oct 25. pii: EIJ-D-19-00543A. doi: 10.4244/EIJ-D-19-00543A. [Epub ahead of print] No abstract available. PMID:31651399
 5. Serruys PW, Chichareon P, Modolo R, Leaman DM, Reiber JHC, Emanuelsson H, Di Mario C, Pijls NHJ, Morel MA, Valgimigli M, Farooq V, van Klaveren D, Capodanno D, Andreini D, Bourantas CV, Davies J, Banning AP, Escaned J, Piek JJ, Echavarría-Pinto M, Taylor CA, Thomsen B, Collet C, Pompilio G, Bartorelli AL, Glocker B, Dressler O, Stone GW, Onuma Y. The SYNTAX score on its way out or ... towards artificial intelligence: part II. *EuroIntervention*. **2019** Oct 25. pii: EIJ-D-19-00543B. doi: 10.4244/EIJ-D-19-00543B. [Epub ahead of print] No abstract available. PMID:31651398
 6. Kim CH, Koo BK, Dehbi HM, Lee JM, Doh JH, Nam CW, Shin ES, Cook CM, Al-Lamee R, Petraco R, Sen S, Malik IS, Nijjer SS, Mejía-Rentería H, Alegria-Barrero E, Alghamdi A, Altman J, Baptista SB, Bhindi R, Bojara W, Brugaletta S, Silva PC, Di Mario C, Erglis A, Gerber RT, Going O, Härle T, Hellig F, Indolfi C, Janssens L, Jeremias A, Kharbanda RK, Khashaba A, Kikuta Y, Krackhardt F, Laine M, Lehman SJ, Matsuo H,

- Meuwissen M, Niccoli G, Piek JJ, Ribichini F, Samady H, Sapontis J, Seto AH, Sezer M, Sharp ASP, Singh J, Takashima H, Talwar S, Tanaka N, Tang K, Van Belle E, van Royen N, Vinhas H, Vrints CJ, Walters D, Yokoi H, Samuels B, Buller C, Patel MR, Serruys PW, Escaned J, Davies JE. Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserve-Guided Revascularization Strategy. *JACC Cardiovasc Interv.* **2019** Oct 28;12(20):2035-2046. doi: 10.1016/j.jcin.2019.06.035. PMID:31648764
7. Scudiero F, Arcari L, Cacciotti L, De Vito E, Marcucci R, Passaseo I, Limite LR, Musumeci MB, Autore C, Citro R, Bossone E, Sanna GD, Bacchi B, Volpe M, Di Mario C, Parodi G. Prognostic relevance of GRACE risk score in Takotsubo syndrome. *Eur Heart J Acute Cardiovasc Care.* **2019** Oct 23:2048872619882363. doi: 10.1177/2048872619882363. [Epub ahead of print] PMID:31642689
 8. Waksman R, Di Mario C, Torguson R, Ali ZA, Singh V, Skinner WH, Artis AK, Cate TT, Powers E, Kim C, Regar E, Wong SC, Lewis S, Wykrzykowska J, Dube S, Kazziha S, van der Ent M, Shah P, Craig PE, Zou Q, Kolm P, Brewer HB, Garcia-Garcia HM; LRP Investigators. Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. *Lancet.* **2019** Nov 2;394(10209):1629-1637. doi: 10.1016/S0140-6736(19)31794-5. Epub **2019** Sep 27. Erratum in: *Lancet.* **2019** Nov 2;394(10209):1618. PMID:31570255
 9. Stone GW, Kappetein AP, Sabik JF, Pocock SJ, Morice MC, Puskas J, Kandzari DE, Karpaliotis D, Brown WM 3rd, Lembo NJ, Banning A, Merkely B, Horkay F, Boonstra PW, van Boven AJ, Ungi I, Bogáts G, Mansour S, Noiseux N, Sabaté M, Pomar J, Hickey M, Gershlick A, Buszman PE, Bochenek A, Schampaert E, Pagé P, Modolo R, Gregson J, Simonton CA, Mehran R, Kosmidou I, Génèreux P, Crowley A, Dressler O, Serruys PW; EXCEL Trial Investigators. Five-Year Outcomes after PCI or CABG for Left Main Coronary Disease. *N Engl J Med.* **2019** Nov 7;381(19):1820-1830. doi: 10.1056/NEJMoa1909406. Epub **2019** Sep 28. PMID:31562798
 10. Ali ZA, Nef H, Escaned J, Werner N, Banning AP, Hill JM, De Bruyne B, Montorfano M, Lefevre T, Stone GW, Crowley A, Matsumura M, Maehara A, Lansky AJ, Fajadet J, Di Mario C. Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses: The Disrupt CAD II Study. *Circ Cardiovasc Interv.* **2019** Oct;12(10):e008434. doi: 10.1161/CIRCINTERVENTIONS.119.008434. Epub **2019** Sep 25. PMID:31553205
 11. Castagno M, Menegon V, Monzani A, Zanetta S, Secco GG, Rosso R, Binotti M, Maiuri L, Di Mario C, Gazzolo D, Ferrero F, Genoni G. Small-for-gestational-age birth is linked to cardiovascular dysfunction in early childhood. *Am Heart J.* **2019** Nov;217:84-93. doi: 10.1016/j.ahj.2019.08.004. Epub **2019** Aug 13. PMID:31520898
 12. Cosentino F, Grant PJ, Aboyans V, Bailey CJ, Ceriello A, Delgado V, Federici M, Filippatos G, Grobbee DE, Hansen TB, Huikuri HV, Johansson I, Jüni P, Lettino M, Marx N, Mellbin LG, Östgren CJ, Rocca B, Roffi M, Sattar N, Seferović PM, Sousa-Uva M, Valensi P, Wheeler DC; ESC Scientific Document Group . 2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD. *Eur Heart J.* **2019** Aug 31. pii: ehz486. doi: 10.1093/eurheartj/ehz486. [Epub ahead of print] No abstract available. PMID:31497854
 13. Wischnowsky MB, Candreva A, Bacchi B, Cammann VL, Kato K, Szawan KA, Gili S, D'Ascenzo F, Dichtl W, Citro R, Bossone E, Neuhaus M, Franke J, Sorici-Barb I, Jaguszewski M, Noutsias M, Knorr M, Heiner S, Burgdorf C, Kherad B, Tschöpe C, Sarcon A, Shinbane J, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Koenig W, Pott A, Meyer P, Arroja JD, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Napp LC, Budnik M, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Chan C, Bridgman P, Beug D, Delmas C, Lairez O, El-Battrawy I, Akin I, Gilyarova E, Shilova A, Gilyarov M, Kozel M, Tousek P, Winchester DE, Galuzska J, Ukena C, Poglajen G, Carrilho-Ferreira P,

Hauck C, Paolini C, Bilato C, Prasad A, Rihal CS, Liu K, Schulze PC, Bianco M, Jörg L, Rickli H, Nguyen TH, Kobayashi Y, Böhm M, Maier LS, Pinto FJ, Widimský P, Borggreffe M, Felix SB, Opolski G, Braun-Dullaes RC, Rottbauer W, Hasenfuß G, Pieske BM, Schunkert H, Thiele H, Bauersachs J, Katus HA, Horowitz J, Di Mario C, Münzel T, Crea F, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Templin C. Prediction of short- and long-term mortality in takotsubo syndrome: the InterTAK Prognostic Score. Eur J Heart Fail. **2019** Nov;21(11):1469-1472. doi: 10.1002/ejhf.1561. Epub **2019** Aug 27. No abstract available. PMID:31452320

14. Rostagno C, Peris A, Polidori GL, Ranalli C, Cartei A, Civinini R, Boccaccini A, Prisco D, Innocenti M, Di Mario C. Perioperative myocardial infarction in patients with hip fracture: Is there a role for early coronary angiography? Int J Cardiol. **2019** Oct 15;293:50. doi: 10.1016/j.ijcard.2019.05.060. PMID:31447042
15. Iannaccone M, Abdirashid M, Annone U, Saint-Hilary G, Meier P, Chieffo A, Chen S, di Mario C, Conrotto F, Omedè P, Montefusco A, De Benedictis M, Rettegno S, Doronzo B, Gasparini M, Rinaldi M, D'Amico M, D'Ascenzo F. Comparison between functional and intravascular imaging approaches guiding percutaneous coronary intervention: A network meta-analysis of randomized and propensity matching studies. Catheter Cardiovasc Interv. **2019** Aug 9. doi: 10.1002/ccd.28410. [Epub ahead of print] PMID:31400061
16. D'Ascenzo F, Gaido L, Bernardi A, Saglietto A, Franzé A, Ielasi A, Trabattoni D, Di Biasi M, Infantino V, Rognoni A, Helft G, Gangor A, Latini RA, De Luca L, Mitomo S, Ugo F, Smolka G, Huczek Z, Cortese B, Capodanno D, Chieffo A, Piazza F, di Mario C, Poli A, D'Urbano M, Romeo F, Giammaria M, Varbella F, Sheiban I, Escaned J, De Ferrari GM. Safety and efficacy of polymer-free biolimus-eluting stents versus ultrathin stents in unprotected left main or coronary bifurcation: A propensity score analysis from the RAIN and CHANCE registries. Catheter Cardiovasc Interv. **2019** Aug 5. doi: 10.1002/ccd.28413. [Epub ahead of print] PMID:31385427
17. Ucheddu F, Gallo M, Nocerino E, Remondino F, Stolcova M, Meucci F, Di Mario C, Gerosa G. Cardiovascular interventions planning through a three-dimensional printing patient-specific approach. J Cardiovasc Med (Hagerstown). **2019** Sep;20(9):584-596. doi: 10.2459/. PMID:31369473
18. Brilakis ES, Mashayekhi K, Tsuchikane E, Abi Rafeh N, Alaswad K, Araya M, Avran A, Azzalini L, Babunashvili AM, Bayani B, Bhindi R, Boudou N, Boukhris M, Božinović NŽ, Bryniarski L, Bufe A, Buller CE, Burke MN, Büttner HJ, Cardoso P, Carlino M, Christiansen EH, Colombo A, Croce K, Damas de Los Santos F, De Martini T, Dens J, Di Mario C, Dou K, Egred M, ElGuindy AM, Escaned J, Furkalo S, Gagnor A, Galassi AR, Garbo R, Ge J, Goel PK, Goktekin O, Grancini L, Grantham JA, Hanratty C, Harb S, Harding SA, Henriques JPS, Hill JM, Jaffer FA, Jang Y, Jussila R, Kalnins A, Kalyanasundaram A, Kandzari DE, Kao HL, Karpaliotis D, Kassem HH, Knaapen P, Kornowski R, Krestyaninov O, Kumar AVG, Laanmets P, Lamelas P, Lee SW, Lefevre T, Li Y, Lim ST, Lo S, Lombardi W, McEntegart M, Munawar M, Navarro Lecaro JA, Ngo HM, Nicholson W, Olivecrona GK, Padilla L, Postu M, Quadros A, Quesada FH, Prakasa Rao VS, Reifart N, Saghatelian M, Santiago R, Sianos G, Smith E, C Spratt J, Stone GW, Strange JW, Tammam K, Ungi I, Vo M, Vu VH, Walsh S, Werner GS, Wollmuth JR, Wu EB, Wyman RM, Xu B, Yamane M, Ybarra LF, Yeh RW, Zhang Q, Rinfret S. Guiding Principles for Chronic Total Occlusion Percutaneous Coronary Intervention. Circulation. **2019** Jul 30;140(5):420-433. doi: 10.1161/CIRCULATIONAHA.119.039797. Epub **2019** Jul 29. PMID:31356129
19. Ristalli F, Maiani S, Mattesini A, Stolcova M, Meucci F, Hamiti B, Valente S, Di Mario C. Intravascular lithotripsy and Impella support to assist complex LM angioplasty. Cardiovasc Revasc Med. **2019** Jun 28. pii: S1553-8389(19)30374-4. doi: 10.1016/j.carrev.2019.06.014. [Epub ahead of print] PMID:31353151

20. Rostagno C, Peris A, Polidori GL, Ranalli C, Cartei A, Civinini R, Boccaccini A, Prisco D, Innocenti M, Di Mario C. Perioperative myocardial infarction in patients with hip fracture: Is there a role for early coronary angiography? *Int J Cardiol.* **2019** Oct 1;292:41. doi: 10.1016/j.ijcard.2019.05.024. No abstract available. PMID:31349942

21. DEFINE-FLAIR Trial Investigators, Lee JM, Choi KH, Koo BK, Dehbi HM, Doh JH, Nam CW, Shin ES, Cook CM, Al-Lamee R, Petraco R, Sen S, Malik IS, Nijjer SS, Mejía-Rentería H, Alegria-Barrero E, Alghamdi A, Altman J, Baptista SB, Bhindi R, Bojara W, Brugaletta S, Silva PC, Di Mario C, Erglis A, Gerber RT, Going O, Härle T, Hellig F, Indolfi C, Janssens L, Jeremias A, Kharbanda RK, Khashaba A, Kikuta Y, Krackhardt F, Laine M, Lehman SJ, Matsuo H, Meuwissen M, Niccoli G, Piek JJ, Ribichini F, Samady H, Sapontis J, Seto AH, Sezer M, Sharp ASP, Singh J, Takashima H, Talwar S, Tanaka N, Tang K, Van Belle E, van Royen N, Vinhas H, Vrints CJ, Walters D, Yokoi H, Samuels B, Buller C, Patel MR, Serruys P, Escaned J, Davies JE. Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserve-Guided Strategy in Patients With or Without Type 2 Diabetes: A Secondary Analysis of a Randomized Clinical Trial. *JAMA Cardiol.* **2019** Jul 17. doi: 10.1001/jamacardio.2019.2298. [Epub ahead of print] PMID:31314045

22. Cammann VL, Sarcon A, Ding KJ, Seifert B, Kato K, Di Vece D, Szawan KA, Gili S, Jurisic S, Bacchi B, Micek J, Frangieh AH, Napp LC, Jaguszewski M, Bossone E, Citro R, D'Ascenzo F, Franke J, Noutsias M, Knorr M, Heiner S, Burgdorf C, Koenig W, Thiele H, Tschöpe C, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Dworakowski R, Kaiser C, Osswald S, Galiuto L, Dichtl W, Delmas C, Lairez O, Horowitz JD, Kozel M, Widimský P, Tousek P, Winchester DE, Gilyarova E, Shilova A, Gilyarov M, El-Battrawy I, Akin I, Ukena C, Bauersachs J, Pieske BM, Hasenfuß G, Rottbauer W, Braun-Dullaeus RC, Opolski G, MacCarthy P, Felix SB, Borggrefe M, Di Mario C, Crea F, Katus HA, Schunkert H, Münzel T, Böhm M, Bax JJ, Prasad A, Shinbane J, Lüscher TF, Ruschitzka F, Ghadri JR, Templin C. Clinical Features and Outcomes of Patients With Malignancy and Takotsubo Syndrome: Observations From the International Takotsubo Registry. *J Am Heart Assoc.* **2019** Aug 6;8(15):e010881. doi: 10.1161/JAHA.118.010881. Epub **2019** Jul 17. PMID: 31311438

23. Marcucci R, Patti G, Calabrò P, Gori AM, Grossi G, Cirillo P, Pengo V, Gresele P, Pignatelli P, Antonucci E, di Mario C, Valente S, Palareti G. Antiplatelet treatment in acute coronary syndrome patients: Real-world data from the START-Antiplatelet Italian Registry. *PLoS One.* **2019** Jul 15;14(7):e0219676. doi: 10.1371/journal.pone.0219676. eCollection **2019**. PMID: 31306454

24. Bini T, Agostini C, Stolcova M, Meucci F, Di Mario C. One more option in heart failure: correction of mitral regurgitation with MitraClip®. *Intern Emerg Med.* **2019** Oct;14(7):1033-1040. doi: 10.1007/s11739-019-02140-1. Epub **2019** Jul 11. Review. PMID: 31297739

25. Pontecorboli G, Biglino G, Milano EG, Sophocleous F, Biffi B, Dastidar AG, Schievano S, Di Mario C, Bucciarelli-Ducci C. Beyond apical ballooning: computational modelling reveals morphological features of Takotsubo cardiomyopathy. *Comput Methods Biomech Biomed Engin.* **2019** Nov;22(14):1103-1106. doi: 10.1080/10255842.2019.1632836. Epub **2019** Jul 3. PMID:31269802

26. Johnson TW, Räber L, Di Mario C, Bourantas CV, Jia H, Mattesini A, Gonzalo N, de la Torre Hernandez JM, Prati F, Koskinas KC, Joner M, Radu MD, Erlinge D, Regar E, Kunadian V, Maehara A, Byrne RA, Capodanno D, Akasaka T, Wijns W, Mintz GS, Guagliumi G. Clinical use of intracoronary imaging. Part 2: acute coronary syndromes, ambiguous coronary angiography findings, and guiding interventional decision-making: an expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. *EuroIntervention.* **2019** Aug 29;15(5):434-451. doi: 10.4244/EIJY19M06_02. PMID: 31258132

27. Frank D, Kennon S, Bonaros N, Romano M, Lefèvre T, Di Mario C, Stefàno P, Ribichini FL, Himbert D, Urena-Alcazar M, Salgado-Fernandez J, Cuenca Castillo JJ, Garcia B, Kuruçova J, Thoenes M, Lüske C, Bramlage P, Styra R. Trial protocol for the validation of the 'Toronto Aortic Stenosis Quality of Life (TASQ) Questionnaire' in patients undergoing surgical aortic valve replacement (SAVR) or transfemoral (TF) transcatheter aortic valve implantation (TAVI): the TASQ registry. *Open Heart.* **2019** May 21;6(1):e001008. doi: 10.1136/openhrt-2019-001008. eCollection **2019**. PMID: 31218003
28. Ciabatti M, Vignini E, Mattesini A, Di Mario C, Valente S. Why can flu be so deadly? An unusual case of cardiogenic shock. *Intern Emerg Med.* **2019** May 18. doi: 10.1007/s11739-019-02094-4. [Epub ahead of print] PMID: 31104304
29. Gili S, Cammann VL, Schlossbauer SA, Kato K, D'Ascenzo F, Di Vece D, Jurisic S, Micek J, Obeid S, Bacchi B, Szawan KA, Famos F, Sarcon A, Levinson R, Ding KJ, Seifert B, Lenoir O, Bossone E, Citro R, Franke J, Napp LC, Jaguszewski M, Noutsias M, Münzel T, Knorr M, Heiner S, Katus HA, Burgdorf C, Schunkert H, Thiele H, Bauersachs J, Tschöpe C, Pieske BM, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Hasenfuß G, Karakas M, Koenig W, Rottbauer W, Said SM, Braun-Dullaeus RC, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Opolski G, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Crea F, Dichtl W, Empen K, Felix SB, Delmas C, Lairez O, El-Battrawy I, Akin I, Borggrefe M, Gilyarova E, Shilova A, Gilyarov M, Horowitz JD, Kozel M, Tousek P, Widimský P, Winchester DE, Ukena C, Gaita F, Di Mario C, Wischnowsky MB, Bax JJ, Prasad A, Böhm M, Ruschitzka F, Lüscher TF, Ghadri JR, Templin C. Cardiac arrest in takotsubo syndrome: results from the InterTAK Registry. *Eur Heart J.* **2019** Jul 1;40(26):2142-2151. doi: 10.1093/eurheartj/ehz170. PMID: 31098611
30. Warisawa T, Cook CM, Howard JP, Ahmad Y, Doi S, Nakayama M, Goto S, Yakuta Y, Karube K, Shun-Shin MJ, Petraco R, Sen S, Nijjer S, Al Lamee R, Ishibashi Y, Matsuda H, Escaned J, di Mario C, Francis DP, Akashi YJ, Davies JE. Physiological Pattern of Disease Assessed by Pressure-Wire Pullback Has an Influence on Fractional Flow Reserve/Instantaneous Wave-Free Ratio Discordance. *Circ Cardiovasc Interv.* **2019** May;12(5):e007494. doi: 10.1161/CIRCINTERVENTIONS.118.007494. PMID: 31084237
31. Dini CS, Tomberli B, Mattesini A, Ristalli F, Valente S, Stolcova M, Meucci F, Baldereschi G, Fanelli F, Shlofmitz RA, Ali ZA, Di Mario C. Intravascular lithotripsy for calcific coronary and peripheral artery stenoses. *EuroIntervention.* **2019** Oct 20;15(8):714-721. doi: 10.4244/EIJ-D-18-01056. PMID: 31062700
32. Bryniarski KL, Werner GS, Mashayekhi K, Wójcik J, Hildick-Smith D, Sianos G, Galassi AR, Garbo R, Di Mario C, Fijorek K, Boudou N, Reifart N, Bryniarski L. Differences in patients and lesion and procedure characteristics depending on the age of the coronary chronic total occlusion. *Postepy Kardiol Interwencyjnej.* **2019**;15(1):28-41. doi: 10.5114/aic.2019.81389. Epub **2019** Jan 21. PMID:31043982
33. Biolè C, Huczek Z, Nuñez-Gil I, Boccuzzi G, Autelli M, Montefusco A, Trabattoni D, Ryan N, Venuti G, Imori Y, Takano H, Matsuda J, Shimizu W, Muscoli S, Montabone A, Wojakowski W, Rognoni A, Helft G, Gallo D, Parma R, De Luca L, Figini F, Mitomo S, Pennone M, Mattesini A, Templin C, Quadri G, Wańha W, Cerrato E, Smolka G, Protasiewicz M, Kuliczowski W, Rolfo C, Cortese B, Capodanno D, Chieffo A, Morbiducci U, Iannaccone M, Gili S, di Mario C, D'Amico M, Romeo F, Lüscher TF, Sheiban I, Escaned J, Varbella F, D'Ascenzo F. Daily risk of adverse outcomes in patients undergoing complex lesions revascularization: A subgroup analysis from the RAIN-CARDIOGROUP VII study (veRy thin stents for patients with left mAIn or bifurcatioN in real life). *Int J Cardiol.* **2019** Sep 1;290:64-69. doi: 10.1016/j.ijcard.2019.03.038. Epub **2019** Mar 22. PMID:30971372
34. Boudou N, Avran A, Garbo R, Lefèvre T, Hildick-Smith D, Reifart N, Galassi AR, Mattesini A, Dini CS, Brilakis ES, Yamane M, Sianos G, Mashayekhi K, Karpaliotis D, DeMartini T, Werner GS, Di Mario C.

EuroCTO Club 2018 meeting: "Experts Live" in Toulouse. EuroIntervention. **2019** Apr 5;14(18):e1814-e1817. doi: 10.4244/EIJV14I18A319. PMID: 30956181

35. Di Mario C. To whom does TAVI belong? EuroIntervention. **2019** Apr 5;14(18):e1812-e1813. doi: 10.4244/EIJV14I18A318. PMID:30956180
36. Secco GG, Buettner A, Parisi R, Pistis G, Vercellino M, Audo A, Kambis M, Garbo R, Porto I, Tarantini G, Di Mario C. Clinical experience with very high-pressure dilatation for resistant coronary lesions. Cardiovasc Revasc Med. **2019** Mar 1. pii: S1553-8389(19)30161-7. doi: 10.1016/j.carrev.2019.02.026. [Epub ahead of print] PMID: 30902652
37. Di Mario C, Mattesini A. What Do You Need for Chronic Total Occlusion Recanalization: Swiftness or Skillfulness? JACC Cardiovasc Interv. **2019** Mar 25;12(6):556-557. doi: 10.1016/j.jcin.2019.01.214. PMID: 30898252
38. Longobardo L, Mattesini A, Valente S, Di Mario C. OCT-guided Percutaneous Coronary Intervention in Bifurcation Lesions. Interv Cardiol. **2019** Feb;14(1):5-9. doi: 10.15420/icr.2018.17.2. PMID:30858885
39. Meucci F, Stolcova M, De Marco F, Mattesini A, Ristalli F, Chiriatti N, Squillantini G, Agostini C, Sarti C, Di Mario C. Patent foramen ovale closure: how to choose the right device for the right patient G Ital Cardiol (Rome). **2019** Mar;20(3 Suppl 1):9S-16S. doi: 10.1714/3121.31036.
40. Di Mario C, Goodwin M, Ristalli F, Ravani M, Meucci F, Stolcova M, Sardella G, Salvi N, Bedogni F, Berti S, Babaliaros VC, Pop A, Caparrelli D, Stewart J, Devireddy C. A Prospective Registry of Intravascular Lithotripsy-Enabled Vascular Access for Transfemoral Transcatheter Aortic Valve Replacement. JACC Cardiovasc Interv. **2019** Mar 11;12(5):502-504. doi: 10.1016/j.jcin.2019.01.211. PMID 30846091
41. Gallini C, Tutino F, Martone R, Ciaccio A, Costanzo EN, Taborchi G, Morini S, Bartolini S, Farsetti S, Di Mario C, Perfetto F, Cappelli F. Semi-quantitative indices of cardiac uptake in patients with suspected cardiac amyloidosis undergoing 99mTc-HMDP scintigraphy. J Nucl Cardiol. **2019** Feb 14. doi: 10.1007/s12350-019-01643-w. [Epub ahead of print] PMID: 30767162
42. Brinton TJ, Ali ZA, Hill JM, Meredith IT, Maehara A, Illindala U, Lansky A, Götzberg M, Van Mieghem NM, Whitbourn R, Fajadet J, Di Mario C. Feasibility of Shockwave Coronary Intravascular Lithotripsy for the Treatment of Calcified Coronary Stenoses Circulation. **2019** Feb 5;139(6):834-836. doi: 10.1161/CIRCULATIONAHA.118.036531. PMID: 30715944
43. Szigyarto Z, Rampat R, Werner GS, Ho C, Reifart N, Lefevre T, Louvard Y, Avran A, Kambis M, Buettner HJ, Di Mario C, Gershlick A, Escaned J, Sianos G, Galassi A, Garbo R, Goktekin O, Meyer-Gessner M, Lauer B, Elhadad S, Bufe A, Boudou N, Sievert H, Martin-Yuste V, Thuesen L, Erglis A, Christiansen E, Spratt J, Bryniarski L, Clayton T, Hildick-Smith D. Derivation and Validation of a Chronic Total Coronary Occlusion Intervention Procedural Success Score From the 20,000-Patient EuroCTO Registry: The EuroCTO (CASTLE) Score. JACC Cardiovasc Interv. **2019** Feb 25;12(4):335-342. doi: 10.1016/j.jcin.2018.11.020. Epub **2019** Jan 30. PMID: 30711551
44. Sen S, Ahmad Y, Dehbi HM, Howard JP, Iglesias JF, Al-Lamee R, Petraco R, Nijjer S, Bhindi R, Lehman S, Walters D, Sapontis J, Janssens L, Vrints CJ, Khashaba A, Laine M, Van Belle E, Krackhardt F, Bojara W, Going O, Härle T, Indolfi C, Niccoli G, Ribichini F, Tanaka N, Yokoi H, Takashima H, Kikuta Y, Erglis A, Vinhas H, Silva PC, Baptista SB, Alghamdi A, Hellig F, Koo BK, Nam CW, Shin ES, Doh JH, Brugaletta S, Alegria-Barrero E, Meuwissen M, Piek JJ, van Royen N, Sezer M, Di Mario C, Gerber RT, Malik IS, Sharp ASP, Talwar S, Tang K, Samady H, Altman J, Seto AH, Singh J, Jeremias A, Matsuo H, Kharbanda RK, Patel

MR, Serruys P, Escaned J, Davies JE. Clinical Events After Deferral of LAD Revascularization Following Physiological Coronary Assessment. J Am Coll Cardiol. **2019** Feb 5;73(4):444-453. doi: 10.1016/j.jacc.2018.10.070. PMID: 30704577

45. Di Mario C, Martellini A. News from TCT San Diego 2018: Intracoronary Imaging: New evidence on optimization of stent implantation and detection of patients and vessels at risk presented at Transcatheter Cardiovascular Therapeutics (TCT) 2018 in San Diego. Eur Heart J. **2019** Jan 21;40(4):328-329. doi: 10.1093/eurheartj/ehy849. PMID: 30668698
46. Galassi AR, Werner GS, Boukhris M, Azzalini L, Mashayekhi K, Carlino M, Avran A, Konstantinidis NV, Grancini L, Bryniarski L, Garbo R, Bozinovic N, Gershlick AH, Rathore S, Di Mario C, Louvard Y, Reifart N, Sianos G. Percutaneous recanalisation of chronic total occlusions: 2019 consensus document from the EuroCTO Club. EuroIntervention. **2019** Jun 20;15(2):198-208. doi: 10.4244/EIJ-D-18-00826. PMID: 30636678
47. Pontecorboli G, Grazzini G, Stolcova M, Calistri L, Acquafresca M, Bucciarelli-Ducci C, Colagrande S, Di Mario C. Myocardial infarction with nonobstructed coronary arteries following accidental nitrogen inhalation: diagnosis by cardiac magnetic resonance and coronary computed tomography. J Cardiovasc Med (Hagerstown). **2019** Jul;20(7):487-488. doi: 10.2459/JCM.0000000000000750. PMID: 30624299
48. Martellini A, di Mario C. High-sensitivity troponin allows accurate rapid diagnosis and discharge but it is not a substitute for a comprehensive patient evaluation Intern Emerg Med. **2019** Apr;14(3):341-343. doi: 10.1007/s11739-018-2008-6. Epub **2019** Jan 1. No abstract available. PMID: 30600524
49. Di Vece D, Citro R, Cammann VL, Kato K, Gili S, Szawan KA, Micek J, Jurisic S, Ding KJ, Bacchi B, Schwyzer M, Candreva A, Bossone E, D'Ascenzo F, Sarcon A, Franke J, Napp LC, Jaguszewski M, Noutsias M, Münzel T, Knorr M, Heiner S, Katus HA, Burgdorf C, Schunkert H, Thiele H, Bauersachs J, Tschöpe C, Pieske BM, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Hasenfuß G, Karakas M, Koenig W, Rottbauer W, Said SM, Braun-Dullaeus RC, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Opolski G, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Crea F, Dichtl W, Empen K, Felix SB, Delmas C, Lairez O, El-Battrawy I, Akin I, Borggreffe M, Gilyarova E, Shilova A, Gilyarov M, Horowitz J, Kozel M, Tousek P, Widimský P, Winchester DE, Ukena C, Di Mario C, Prasad A, Böhm M, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Templin C. Outcomes Associated With Cardiogenic Shock in Takotsubo Syndrome. Circulation. **2019** Jan 15;139(3):413-415. doi: 10.1161/CIRCULATIONAHA.118.036164. PMID: 30586690
50. Del Bene MR, Barletta G, Venditti F, Di Mario C, Blanzola C, Stefàno P. Left ventricular mass regression after aortic valve replacement: Sex differences or effect of different methods of indexation? Echocardiography. **2019** Feb;36(2):219-228. doi: 10.1111/echo.14221. Epub 2018 Dec 5. PMID: 30520149
51. Rostagno C, Peris A, Polidori GL, Ranalli C, Cartei A, Civinini R, Boccaccini A, Prisco D, Innocenti M, Di Mario C. Perioperative myocardial infarction in elderly patients with hip fracture. Is there a role for early coronary angiography? Int J Cardiol. **2019** Jun 1;284:1-5. doi: 10.1016/j.ijcard.2018.10.095. Epub 2018 Oct 29.
52. Ristalli F, Romano SM, Stolcova M, Meucci F, Squillantini G, Valente S, Di Mario C. Hemodynamic monitoring by pulse contour analysis during trans-catheter aortic valve replacement: A fast and easy method to optimize procedure results. Cardiovasc Revasc Med. **2019** Apr;20(4):332-337. doi: 10.1016/j.carrev.2018.07.015. Epub 2018 Jul 19. PMID: 30056023
53. Cappelli F, Gallini C, Di Mario C, Costanzo EN, Vaggelli L, Tutino F, Ciaccio A, Bartolini S, Angelotti P, Frusconi S, Farsetti S, Vergaro G, Giorgetti A, Marzullo P, Genovesi D, Emdin M, Perfetto F. Accuracy of 99mTc-Hydroxymethylene diphosphonate scintigraphy for diagnosis of transthyretin cardiac amyloidosis.

54. Di Mario C, Mattesini A. Will Optical Coherence Tomography Become the Standard Imaging Tool for Percutaneous Coronary Intervention Guidance? JACC Cardiovasc Interv. 2018 Jul 23;11(14):1322-1324. doi: 10.1016/j.jcin.2018.03.026.

55. Agostini C, Stolcova M, Bernardo P, Cappelli F, Sori A, Mattesini A, Meucci F, Sorini Dini C, Cianchi G, Peris A, Di Mario C, Valente S. 6. Tips and tricks for using extracorporeal life support devices in the intensive cardiac care unit. G Ital Cardiol (Rome). 2018 Jun;19(6):14-22. doi: 10.1714/2939.29546. Italian.

56. Jones DA, Rathod KS, Pavlidis AN, Gallagher SM, Astroulakis Z, Lim P, Sirker A, Knight CJ, Dalby MC, Malik IS, Mathur A, Rakhit R, Redwood S, MacCarthy PA, Baker C, Desilva R, Di Mario C, Weerackody R, Hill J, Wragg A, Smith EJ. Outcomes after chronic total occlusion percutaneous coronary interventions: an observational study of 5496 patients from the Pan-London CTO Cohort. Coron Artery Dis. 2018 Nov;29(7):557-563. doi: 10.1097/MCA.0000000000000644.

57. Ristalli F, Meucci F, Stolcova M, Valente S, Landi D, Di Mario C. MitraClip Implantation to Treat Early Recurrence of Mitral Regurgitation After Percutaneous Direct Annuloplasty With Cardioband. JACC Cardiovasc Interv. 2018 Jul 23;11(14):1416-1417. doi: 10.1016/j.jcin.2018.04.049. Epub 2018 Jun 27.

58. Di Mario C, Mattesini A, Secco G. The Forgotten Art of Balloon Angioplasty. Cardiovasc Revasc Med. 2018 Jun;19(4):399-400. doi: 10.1016/j.carrev.2018.06.011.

59. Räber L, Mintz GS, Koskinas KC, Johnson TW, Holm NR, Onuma Y, Radu MD, Joner M, Yu B, Jia H, Meneveau N, de la Torre Hernandez JM, Escaned J, Hill J, Prati F, Colombo A, Di Mario C, Regar E, Capodanno D, Wijns W, Byrne RA, Guagliumi G. Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. Eur Heart J. 2018 Sep 14;39(35):3281-3300. doi: 10.1093/eurheartj/ehy285 e EuroIntervention. 2018 Aug 20;14(6):656-677. doi: 10.4244/EIJY18M06_01.

60. Di Mario C, Mugelli A, Perrone Filardi P, Rosano G, Rossi F. Long-term dual antiplatelet therapy: pharmacological and clinical implications. J Cardiovasc Med (Hagerstown). 2018 Aug;19(8):399-410. doi: 10.2459/JCM.0000000000000677.

61. Cappelli F, Martone R, Taborchi G, Morini S, Bartolini S, Angelotti P, Farsetti S, Di Mario C, Perfetto F. Epigallocatechin-3-gallate tolerability and impact on survival in a cohort of patients with transthyretin-related cardiac amyloidosis. A single-center retrospective study. Intern Emerg Med. 2018 Jun 7. doi: 10.1007/s11739-018-1887-x. [Epub ahead of print]

62. Werner GS, Martin-Yuste V, Hildick-Smith D, Boudou N, Sianos G, Gelev V, Rumoroso JR, Erglis A, Christiansen EH, Escaned J, di Mario C, Hovasse T, Teruel L, Bufe A, Lauer B, Bogaerts K, Goicolea J, Spratt JC, Gershlick AH, Galassi AR, Louvard Y; EUROCTO trial investigators. A randomized multicentre trial to compare revascularization with optimal medical therapy for the treatment of chronic total coronary occlusions. *Eur Heart J*. 2018 Jul 7;39(26):2484-2493. doi: 10.1093/eurheartj/ehy220.
63. Bufe A, Di Mario C, Landmesser U, Gessner MM, Sianos G, Garbo R, Dini CS, Lauer B, Boudou N, Grancini L, Avran A, Lauten A, Mashayekhi K, Hildick-Smith D, Escaned J, Buettner HJ, Reifart N, Lapp H, Galassi AR, Werner GS. The Experts "Live" Workshop of the EuroCTO Club 2017, Berlin. *EuroIntervention*. 2018 Apr 20;13(17):1987-1990. doi: 10.4244/EIJV13I17A324.
64. Kikuta Y, Cook CM, Sharp ASP, Salinas P, Kawase Y, Shiono Y, Giavarini A, Nakayama M, De Rosa S, Sen S, Nijjer SS, Al-Lamee R, Petraco R, Malik IS, Mikhail GW, Kaprielian RR, Wijntjens GWM, Mori S, Hagikura A, Mates M, Mizuno A, Hellig F, Lee K, Janssens L, Horie K, Mohdnazri S, Herrera R, Krackhardt F, Yamawaki M, Davies J, Takebayashi H, Keeble T, Haruta S, Ribichini F, Indolfi C, Mayet J, Francis DP, Piek JJ, Di Mario C, Escaned J, Matsuo H, Davies JE. Pre-Angioplasty Instantaneous Wave-Free Ratio Pullback Predicts Hemodynamic Outcome In Humans With Coronary Artery Disease: Primary Results of the International Multicenter iFR GRADIENT Registry. *JACC Cardiovasc Interv*. 2018 Apr 23;11(8):757-767. doi: 10.1016/j.jcin.2018.03.005.
65. Secco GG, Tebaldi M, Parisi R, Cuculo A, Di Mario C, Sangiorgio P, Ielasi A, Centola A, Fattori R, Vercellino M, Longo G, Pistis G, Biscaglia S, Ruggiero A, Marino PN, Campo G. One-Year Clinical Outcomes of Forty-Eight Millimeter Everolimus-Eluting Stent Implanted in Very Long Lesions: A Propensity-Matched Comparison (The FREIUS Study). *J Invasive Cardiol*. 2018 Apr;30(4):133-137.
66. Sorini Dini C, Landi D, Meucci F, Di Mario C. Unexpected delayed complete atrioventricular block after Cardioband implantation. *Catheter Cardiovasc Interv*. 2018 Mar 6. doi: 10.1002/ccd.27519. [Epub ahead of print]
67. Di Mario C, Secco GG. Which Stent Should We Select for the Left Main? *J Am Coll Cardiol*. 2018 Feb 27;71(8):842-843. doi: 10.1016/j.jacc.2018.01.012.
68. Di Mario C, Chiriatti N, Stolcova M, Meucci F, Squillantini G. Lithoplasty-assisted transfemoral aortic valve implantation. *Eur Heart J*. 2018 Feb 14. doi: 10.1093/eurheartj/ehy074. [Epub ahead of print]
69. Iannaccone M, Colangelo S, Di Mario C, Garbo R. Double wire rotational atherectomy technique in a heavily calcified coronary bifurcation. *EuroIntervention*. 2018 Jun 20;14(2):204-205. doi: 10.4244/EIJ-D-18-00001.
70. Cappelli F, Gallini C, Costanzo EN, Tutino F, Ciaccio A, Vaggelli L, Bartolini S, Morini S, Martone R, Angelotti P, Frusconi S, Di Mario C, Perfetto F. Lung uptake during 99mTc-hydroxymethylene diphosphonate scintigraphy in patient with TTR cardiac amyloidosis: An underestimated phenomenon *Int J Cardiol*. 2018 Mar 1;254:346-350. doi: 10.1016/j.ijcard.2017.10.027. Epub 2018 Jan 28.

71. Di Mario C, Sorini Dini C. Maximal efficiency is required to minimize complications and hospital stay after TAVR. *Catheter Cardiovasc Interv*. 2018 Feb 1;91(2):354-355. doi: 10.1002/ccd.27511.
72. Tomberli B, Mattesini A, Baldereschi GI, Di Mario C. A Brief History of Coronary Artery Stents *Rev Esp Cardiol (Engl Ed)*. 2018 May;71(5):312-319. doi: 10.1016/j.rec.2017.11.022. Epub 2018 Feb 1. English, Spanish. No abstract available.
73. Barletta G, Venditti F, Stefano P, Del Bene R, Di Mario C. Left ventricular outflow tract shape after aortic valve replacement with St. Jude Trifecta prosthesis. *Echocardiography*. 2018 Mar;35(3):329-336. doi: 10.1111/echo.13778. Epub 2017 Dec 22.
74. Baquet M, Nef H, Gori T, Latib A, Capodanno D, Di Mario C, Sabate M, Colombo A, Tamburino C, Mehilli J. Restenosis patterns after bioresorbable vascular scaffold implantation: Angiographic substudy of the GHOST-EU registry. *Catheter Cardiovasc Interv*. 2018 Aug 1;92(2):276-282. doi: 10.1002/ccd.27350. Epub 2017 Nov 24.
75. Galassi AR, Werner GS, Boukhris M, Azzalini L, Mashayekhi K, Carlino M, Avran A, Konstantinidis NV, Grancini L, Bryniarski L, Garbo R, Bozinovic N, Gershlick AH, Rathore S, Di Mario C, Louvard Y, Reifart N, Sianos G. Percutaneous Recanalization of Chronic Total Occlusions: 2019 Consensus Document from the EuroCTO Club. *EuroIntervention*. 2019 Jan 15. pii: EIJ-D-18-00826. doi: 10.4244/EIJ-D-18-00826. [Epub ahead of print]
76. Pontecorboli G, Grazzini G, Stolcova M, Calistri L, Acquafresca M, Bucciarelli-Ducci C, Colagrande S, Di Mario C. Myocardial infarction with nonobstructed coronary arteries following accidental nitrogen inhalation: diagnosis by cardiac magnetic resonance and coronary computed tomography. *J Cardiovasc Med (Hagerstown)*. 2019 Jan 7. doi: 10.2459/JCM.0000000000000750. [Epub ahead of print]
77. Martellini A, di Mario C. High-sensitivity troponin allows accurate rapid diagnosis and discharge but it is not a substitute for a comprehensive patient evaluation. *Intern Emerg Med*. 2019 Jan 1. doi: 10.1007/s11739-018-2008-6. [Epub ahead of print]
78. Di Vece D, Citro R, Cammann VL, Kato K, Gili S, Szawan KA, Micek J, Jurisic S, Ding KJ, Bacchi B, Schwyzer M, Candreva A, Bossone E, D'Ascenzo F, Sarcon A, Franke J, Napp LC, Jaguszewski M, Noutsias M, Münzel T, Knorr M, Heiner S, Katus HA, Burgdorf C, Schunkert H, Thiele H, Bauersachs J, Tschöpe C, Pieske BM, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Hasenfuß G, Karakas M, Koenig W, Rottbauer W, Said SM, Braun-Dullaeus RC, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Opolski G, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Crea F, Dichtl W, Empen K, Felix SB, Delmas C, Lairez O, El-Battrawy I, Akin I, Borggrefe M, Gilyarova E, Shilova A, Gilyarov M, Horowitz J, Kozel M, Tousek P, Widimský P, Winchester DE, Ukena C, Di Mario C, Prasad A, Böhm M, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Templin C. Outcomes Associated With Cardiogenic Shock in Takotsubo Syndrome. *Circulation*. 2019 Jan 15;139(3):413-415. doi: 10.1161/CIRCULATIONAHA.118.036164
79. Di Mario C, Tomberli B, Mattesini A. Resurrection of a New Old Technique. *Circ Cardiovasc Interv*. 2018 Nov;11(11):e007421. doi: 10.1161/CIRCINTERVENTIONS.118.007421. No abstract available.

80. di Mario C, Koskinas KC, Räber L. Clinical Benefit of IVUS Guidance for Coronary Stenting: The ULTIMATE Step Toward Definitive Evidence? J Am Coll Cardiol. 2018 Dec 18;72(24):3138-3141. doi: 10.1016/j.jacc.2018.10.029.
81. Di Mario C, Chiriatti N, Stolcova M. Is angioplasty in patients with stable coronary artery disease only a placebo? Absolutely not. G Ital Cardiol (Rome). 2018 Nov;19(11):12-13. doi: 10.1714/3019.30156. Italian. No abstract available.
82. Del Bene MR, Barletta G, Venditti F, Di Mario C, Blanzola C, Stefàno P. Left ventricular mass regression after aortic valve replacement: Sex differences or effect of different methods of indexation? Echocardiography. 2018 Dec 5. doi: 10.1111/echo.14221. [Epub ahead of print]
83. Taggart DP, Webb CM, Desouza A, Yadav R, Channon KM, De Robertis F, Di Mario C. Long-term performance of an external stent for saphenous vein grafts: the VEST IV trial. J Cardiothorac Surg. 2018 Nov 19;13(1):117. doi: 10.1186/s13019-018-0803-9
84. Rostagno C, Peris A, Polidori GL, Ranalli C, Cartei A, Civinini R, Boccaccini A, Prisco D, Innocenti M, Di Mario C. Perioperative myocardial infarction in elderly patients with hip fracture. Is there a role for early coronary angiography? Int J Cardiol. 2018 Oct 29. pii: S0167-5273(18)34455-3. doi: 10.1016/j.ijcard.2018.10.095. [Epub ahead of print]
85. Russo JJ, Goodman SG, Cantor WJ, Ko DT, Bagai A, Tan MK, Di Mario C, Halvorsen S, Le May M, Fernandez-Avilés F, Scheller B, Armstrong PW, Borgia F, Piscione F, Sanchez PL, Yan AT. Does renal function affect the efficacy or safety of a pharmacoinvasive strategy in patients with ST-elevation myocardial infarction? A meta-analysis. Am Heart J. 2017 Nov;193:46-54. doi: 10.1016/j.ahj.2017.07.015. Epub 2017 Aug 2. Review. PMID: 29129254
86. Sorini Dini C, Valente S, Di Mario C. Age and comorbidities should not preclude a liberal use of PCI in myocardial infarction. Int J Cardiol. 2017 Dec 15;249:138-139. doi: 10.1016/j.ijcard.2017.08.065. No abstract available. PMID: 29121717
87. Valente S, Marini M, Battistoni I, Sorini Dini C, Di Mario C, De Maria R, Aspromonte N, Cacciavillani L, Ferraiuolo G, Iacoviello M, Casolo G, Di Lenarda A, Gulizia MM. [Cardiogenic shock is a rare disease: the dedicated network]. G Ital Cardiol (Rome). 2017 Oct;18(10):719-726. doi: 10.1714/2790.28261. Italian. PMID: 29105686
88. Capranzano P, Capodanno D, Brugaletta S, Latib A, Mehilli J, Nef H, Gori T, Lesiak M, Geraci S, Pyxaras S, Mattesini A, Münzel T, Araszkiwicz A, Caramanno G, Naber C, Di Mario C, Sabatè M, Colombo A, Wiebe J, Tamburino C. Clinical outcomes of patients with diabetes mellitus treated with Absorb bioresorbable

- vascular scaffolds: a subanalysis of the European Multicentre GHOST-EU Registry. *Catheter Cardiovasc Interv.* 2017 Oct 25. doi: 10.1002/ccd.27388. [Epub ahead of print] PMID: 29068130
89. Patel HC, Hayward C, Wardle AJ, Middleton L, Lyon AR, Di Mario C, Salukhe TV, Sutton R, Rosen SD. The effect of head-up tilt upon markers of heart rate variability in patients with atrial fibrillation. *Ann Noninvasive Electrocardiol.* 2017 Oct 15. doi: 10.1111/anec.12511. [Epub ahead of print] PMID: 29034583
 90. Genoni G, Menegon V, Secco GG, Sonzini M, Martelli M, Castagno M, Ricotti R, Monzani A, Aronici M, Grossini E, Di Mario C, Bona G, Bellone S, Prodam F. Insulin resistance, serum uric acid and metabolic syndrome are linked to cardiovascular dysfunction in pediatric obesity. *Int J Cardiol.* 2017 Dec 15;249:366-371. doi: 10.1016/j.ijcard.2017.09.031. Epub 2017 Sep 14. PMID: 28935462
 91. Parodi G, Scudiero F, Citro R, Silverio A, Bellandi B, Zito C, Antonini-Canterin F, Rigo F, Zocchi C, Bossone E, Salerno-Uriarte J, Piscione F, Mario CD; Takotsubo Italian Network (TIN). Risk Stratification Using the CHA₂DS₂-VASc Score in Takotsubo Syndrome: Data From the Takotsubo Italian Network. *J Am Heart Assoc.* 2017 Sep 14;6(9). pii: e006065. doi: 10.1161/JAHA.117.006065. PMID: 28912212
 92. Secco GG, Verdoia M, Pistis G, De Luca G, Vercellino M, Audo A, Parisi R, Reale M, Ballestrero G, Marino PN, Di Mario C. Optical coherence tomography guidance during bioresorbable vascular scaffold implantation. *J Thorac Dis.* 2017 Aug;9(Suppl 9):S986-S993. doi: 10.21037/jtd.2017.07.111.
 93. Mattesini A, Bartolini S, Sorini Dini C, Valente S, Parodi G, Stolcova M, Meucci F, Di Mario C. The DESolve novolimus bioresorbable Scaffold: from bench to bedside. *J Thorac Dis.* 2017 Aug;9(Suppl 9):S950-S958. doi: 10.21037/jtd.2017.07.25. PMID: 28894601
 94. Valente S, Mattesini A, Rossini R, Berti S, Sorini Dini C, Politi A, Golino L, Romeo F, Musumeci G, Gensini GF, Di Mario C. [Fractional flow reserve: a practical guide for interventional cardiologists and the cardiologist's point of view]. *G Ital Cardiol (Rome).* 2017 Sep;18(9 Suppl 1):2S-8S. doi: 10.1714/2743.27964. Italian. PMID: 28845857
 95. Di Mario C, Sorini Dini C, Werner GS. Thousand Registries Are Not Worth a Randomized Trial: Also True for Chronic Total Occlusions? *JACC Cardiovasc Interv.* 2017 Aug 14;10(15):1535-1537. doi: 10.1016/j.jcin.2017.06.053. No abstract available.
 96. Ali ZA, Brinton TJ, Hill JM, Maehara A, Matsumura M, Karimi Galougahi K, Illindala U, Götberg M, Whitbourn R, Van Mieghem N, Meredith IT, Di Mario C, Fajadet J. Optical Coherence Tomography Characterization of Coronary Lithoplasty for Treatment of Calcified Lesions: First Description. *JACC Cardiovasc Imaging.* 2017 Aug;10(8):897-906. doi: 10.1016/j.jcmg.2017.05.012. PMID:28797412
 97. Chiarito M, Pagnesi M, Martino EA, Pighi M, Scotti A, Biondi-Zoccai G, Latib A, Landoni G, Mario CD, Margonato A, Maisano F, Feldman T, Alfieri O, Colombo A, Godino C. Outcome after percutaneous edge-to-edge mitral repair for functional and degenerative mitral regurgitation: a systematic review and meta-analysis. *Heart.* 2017 Jun 29. pii: heartjnl-2017-311412. doi: 10.1136/heartjnl-2017-311412. [Epub ahead of print] PMID: 28663365
 98. Mattesini A, Valente S, Sorini Dini C, Bartolini S, Caiazza G, Baldereschi G, Galassi A, Di Mario C. [Percutaneous treatment of coronary chronic total occlusions: state of the art]. *G Ital Cardiol (Rome).* 2017 Jun;18(6 Suppl 1):3S-11S. doi: 10.1714/2718.27729. Review. Italian. PMID:28652627
 99. McGarvey M, Ali O, Iqbal MB, Ilsley C, Wong J, Di Mario C, Redwood S, Patterson T, Pennell DJ, Rogers P, Dalby M; ORCA-3 For the Optimal Restoration of Cardiac Activity (ORCA) Group. A feasibility and safety study of intracoronary hemodilution during primary coronary angioplasty in order to reduce reperfusion

injury in myocardial infarction. *Catheter Cardiovasc Interv*. 2017 Jun 21. doi: 10.1002/ccd.27136. [Epub ahead of print] PMID: 28636165

100. Meucci F, Stefàno P, Di Mario C. Unlike for PCI, for TAVR smaller is better. *Int J Cardiol*. 2017 Aug 1;240:157-158. doi: 10.1016/j.ijcard.2017.03.018. No abstract available. PMID: 28606675
101. Cappelli F, Gallini C, Di Mario C, Costanzo EN, Vaggelli L, Tutino F, Ciaccio A, Bartolini S, Angelotti P, Frusconi S, Farsetti S, Vergaro G, Giorgetti A, Marzullo P, Genovesi D, Emdin M, Perfetto F. Accuracy of ^{99m}Tc-Hydroxymethylene diphosphonate scintigraphy for diagnosis of transthyretin cardiac amyloidosis. *J Nucl Cardiol*. 2017 May 23. doi: 10.1007/s12350-017-0922-z.
102. Patel HC, Hayward C, Dzungu JN, Papadopoulou S, Saidmeerasah A, Ray R, Di Mario C, Shanmugam N, Cowie MR, Anderson LJ. Assessing the Eligibility Criteria in Phase III Randomized Controlled Trials of Drug Therapy in Heart Failure With Preserved Ejection Fraction: The Critical Play-Off Between a "Pure" Patient Phenotype and the Generalizability of Trial Findings. *J Card Fail*. 2017 Jul;23(7):517-524. doi: 10.1016/j.cardfail.2017.04.006. Epub 2017 Apr
103. Jabbour RJ, Tanaka A, Capranzano P, Cortese B, Lesiak M, Testa L, Gatto P, Suarez de Lezo J, Mattesini A, Geraci S, Ielasi A, Diletti R, Capodanno D, Buccheri D, Iwanczyk S, Bedogni F, Tchetché D, Di Mario C, Caramanno G, Van Mieghem NM, Tamburino C, Colombo A, Latib A. Bioresorbable Vascular Scaffolds as a Treatment Option for Left Main Lesions. *JACC Cardiovasc Interv*. 2017 Apr 10;10(7):743-745. doi: 10.1016/j.jcin.2017.01.038. PMID: 28385415
104. Parodi G, Di Mario C. Percutaneous Intervention for Concurrent Chronic Total Occlusions in Patients With STEMI: We Should EXPLORE More! *J Am Coll Cardiol*. 2017 Apr 4;69(13):1757-1758. doi: 10.1016/j.jacc.2016.10.094.
105. Schnorbus B, Wiebe J, Capodanno D, Brugaletta S, Geraci S, Mehilli J, Latib A, Lesiak M, Jensen C, Mattesini A, Münzel T, Capranzano P, Di Mario C, Naber C, Araszkiwicz A, Colombo A, Caramanno G, Sabate M, Tamburino C, Nef H, Gori T. Twelve-month outcomes after bioresorbable vascular scaffold implantation in patients with acute coronary syndromes. Data from the European Multicenter GHOST-EU Extended Registry. *EuroIntervention*. 2017 Oct 13;13(9):e1104-e1111. doi: 10.4244/EIJ-D-16-00568. PMID: 28320687
106. Davies JE, Sen S, Dehbi HM, Al-Lamee R, Petraco R, Nijjer SS, Bhindi R, Lehman SJ, Walters D, Sapontis J, Janssens L, Vrints CJ, Khashaba A, Laine M, Van Belle E, Krackhardt F, Bojara W, Going O, Härle T, Indolfi C, Niccoli G, Ribichini F, Tanaka N, Yokoi H, Takashima H, Kikuta Y, Erglis A, Vinhas H, Canas Silva P, Baptista SB, Alghamdi A, Hellig F, Koo BK, Nam CW, Shin ES, Doh JH, Brugaletta S, Alegria-Barrero E, Meuwissen M, Piek JJ, van Royen N, Sezer M, Di Mario C, Gerber RT, Malik IS, Sharp ASP, Talwar S, Tang K, Samady H, Altman J, Seto AH, Singh J, Jeremias A, Matsuo H, Kharbanda RK, Patel MR, Serruys P, Escaned J. Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. *N Engl J Med*. 2017 May
107. Geraci S, Kawamoto H, Caramanno G, Ruparelina N, Capodanno D, Brugaletta S, Gori T, Nef H, Sabate M, Mehilli J, Lesiak M, Naber C, Di Mario C, Capranzano P, Wiebe J, Araszkiwicz A, Pyxaras S, Mattesini A, Münzel T, Tamburino C, Colombo A, Latib A. Bioresorbable Everolimus-Eluting Vascular Scaffold for Long Coronary Lesions: A Subanalysis of the International, Multicenter GHOST-EU Registry. *JACC Cardiovasc Interv*. 2017 Mar 27;10(6):560-568. doi: 10.1016/j.jcin.2016.12.013. Epub 2017 Mar 1.
108. Ortega-Paz L, Capodanno D, Gori T, Nef H, Latib A, Caramanno G, Di Mario C, Naber C, Lesiak M, Capranzano P, Wiebe J, Mehilli J, Araszkiwicz A, Pyxaras S, Mattesini A, Geraci S, Naganuma T, Colombo A, Münzel T, Sabaté M, Tamburino C, Brugaletta S. Predilatation, sizing and post-dilatation scoring in patients undergoing everolimus-eluting bioresorbable scaffold implantation for prediction of cardiac adverse events: development and internal validation of the PSP score. *EuroIntervention*. 2017 Apr 20;12(17):2110-2117. doi: 10.4244/EIJ-D-16-00974. PMID: 28246060

109. Patel HC, Hayward C, Keegan J, Gatehouse PD, Rajani R, Khattar RS, Mohiaddin RH, Rosen SD, Lyon AR, di Mario C. Effects of renal denervation on vascular remodelling in patients with heart failure and preserved ejection fraction: A randomised control trial. *JRSM Cardiovasc Dis.* 2017 Jan 1;6:2048004017690988. doi: 10.1177/2048004017690988. eCollection 2017 Jan-Dec. PMID: 28228942
110. Meucci F, Di Mario C. Left atrial appendage occlusion: Fighting the "dark side" of atrial fibrillation. *Catheter Cardiovasc Interv.* 2017 Feb 15;89(3):493-494. doi: 10.1002/ccd.26944. No abstract available.
111. Fam JM, Ojeda S, Garbo R, Latib A, La Manna A, Vaquerizo B, Boukhris M, Vlachojannis GJ, van Geuns RJ, Ezhumalai B, Kawamoto H, van der Sijde J, Felix C, Pan M, Serdoz R, Boccuzzi GG, De Paolis M, Sardella G, Mancone M, Tamburino C, Smits PC, Di Mario C, Seth A, Serra A, Colombo A, Serruys P, Galassi AR, Zijlstra F, Van Mieghem NM, Diletti R. Everolimus-eluting bioresorbable vascular scaffolds for treatment of complex chronic total occlusions. *EuroIntervention.* 2017 Jun 20;13(3):355-363. doi: 10.4244/EIJ-D-16-00253. PMID: 28218604
112. de Waard GA, Di Mario C, Lerman A, Serruys PW, van Royen N. Instantaneous wave-free ratio to guide coronary revascularisation: physiological framework, validation and differences from fractional flow reserve. *EuroIntervention.* 2017 Jul 20;13(4):450-458. doi: 10.4244/EIJ-D-16-00456. PMID: 28191874
113. Mattesini A, Di Mario C. Calcium: A predictor of interventional treatment failure across all fields of cardiovascular medicine. *Int J Cardiol.* 2017 Mar 15;231:97-98. doi: 10.1016/j.ijcard.2017.01.054. Epub 2017 Jan 10 PMID: 28096040
114. Giavarini A, Kilic ID, Redondo Diéguez A, Longo G, Vandormael I, Pareek N, Kanyal R, De Silva R, Di Mario C. Intracoronary Imaging. *Heart.* 2017 May;103(9):708-725. doi: 10.1136/heartjnl-2015-307888. Epub 2017 Jan 5. PMID: 28057798
115. Di Mario C, Sorini Dini C, Wijns W. The year in cardiology 2016: coronary interventions. *Eur Heart J.* 2017 Apr 7;38(14):1017-1027. doi: 10.1093/eurheartj/ehw649. No abstract available. PMID: 28043975
116. Pighi M, Estevez-Loureiro R, Maisano F, Ussia GP, Dall'Ara G, Franzen O, Laroche C, Settergren M, Winter R, Nickenig G, Gilard M, Di Mario C; Transcatheter Valve Treatment Sentinel Registry (TCVT) Investigators of the EURObservational Research Programme (EORP) of the European Society of Cardiology. Immediate and 12-Month Outcomes of Ischemic Versus Nonischemic Functional Mitral Regurgitation in Patients Treated With MitraClip (from the 2011 to 2012 Pilot Sentinel Registry of Percutaneous Edge-To-Edge Mitral Valve Repair of the European Society of Cardiology). *Am J Cardiol.* 2017 Feb 15;119(4):630-637. doi: 10.1016/j.amjcard.2016.10.049. Epub 2016 Nov 16. PMID: 27964904
117. Does renal function affect the efficacy or safety of a pharmacoinvasive strategy in patients with ST-elevation myocardial infarction? A meta-analysis. Russo JJ, Goodman SG, Cantor WJ, Ko DT, Bagai A, Tan MK, Di Mario C, Halvorsen S, Le May M, Fernandez-Avilés F, Scheller B, Armstrong PW, Borgia F, Piscione F, Sanchez PL, Yan AT. *Am Heart J.* 2017 Nov;193:46-54. doi: 10.1016/j.ahj.2017.07.015. Epub 2017 Aug 2.
118. Age and comorbidities should not preclude a liberal use of PCI in myocardial infarction. Sorini Dini C, Valente S, Di Mario C. *Int J Cardiol.* 2017 Dec 15;249:138-139. doi: 10.1016/j.ijcard.2017.08.065.
119. Cardiogenic shock is a rare disease: the dedicated network. Valente S, Marini M, Battistoni I, Sorini Dini C, Di Mario C, De Maria R, Aspromonte N, Cacciavillani L, Ferraiuolo G, Iacoviello M, Casolo G, Di Lenarda A, Gulizia MM. *G Ital Cardiol (Rome).* 2017 Oct;18(10):719-726. doi: 10.1714/2790.28261..
120. Clinical outcomes of patients with diabetes mellitus treated with Absorb bioresorbable vascular scaffolds: a subanalysis of the European Multicentre GHOST-EU Registry. Capranzano P, Capodanno D, Brugaletta S, Latib A, Mehilli J, Nef H, Gori T, Lesiak M, Geraci S, Pyxaras S, Mattesini A, Münzel T,

Araszkiwicz A, Caramanno G, Naber C, Di Mario C, Sabatè M, Colombo A, Wiebe J, Tamburino C. *Catheter Cardiovasc Interv.* 2017 Oct 25. doi: 10.1002/ccd.27388. [Epub ahead of print]

121. The effect of head-up tilt upon markers of heart rate variability in patients with atrial fibrillation. Patel HC, Hayward C, Wardle AJ, Middleton L, Lyon AR, Di Mario C, Salukhe TV, Sutton R, Rosen SD. *Ann Noninvasive Electrocardiol.* 2017 Oct 15. doi: 10.1111/anec.12511. [Epub ahead of print]
122. Insulin resistance, serum uric acid and metabolic syndrome are linked to cardiovascular dysfunction in pediatric obesity. Genoni G, Menegon V, Secco GG, Sonzini M, Martelli M, Castagno M, Ricotti R, Monzani A, Aronici M, Grossini E, Di Mario C, Bona G, Bellone S, Prodam F. *Int J Cardiol.* 2017 Dec 15;249:366-371. doi: 10.1016/j.ijcard.2017.09.031. Epub 2017 Sep 14.
123. Optical coherence tomography guidance during bioresorbable vascular scaffold implantation. Secco GG, Verdoia M, Pistis G, De Luca G, Vercellino M, Audo A, Parisi R, Reale M, Ballestrero G, Marino PN, Di Mario C. *J Thorac Dis.* 2017 Aug;9(Suppl 9):S986-S993. doi: 10.21037/jtd.2017.07.111.
124. The DESolve novolimus bioresorbable Scaffold: from bench to bedside. Mattesini A, Bartolini S, Sorini Dini C, Valente S, Parodi G, Stolcova M, Meucci F, Di Mario C. *J Thorac Dis.* 2017 Aug;9(Suppl 9):S950-S958. doi: 10.21037/jtd.2017.07.25.
125. Fractional flow reserve: a practical guide for interventional cardiologists and the cardiologist's point of view. Valente S, Mattesini A, Rossini R, Berti S, Sorini Dini C, Politi A, Golino L, Romeo F, Musumeci G, Gensini GF, Di Mario C. *G Ital Cardiol (Rome).* 2017 Sep;18(9 Suppl 1):2S-8S. doi: 10.1714/2743.27964..
126. Thousand Registries Are Not Worth a Randomized Trial: Also True for Chronic Total Occlusions? Di Mario C, Sorini Dini C, Werner GS. *JACC Cardiovasc Interv.* 2017 Aug 14;10(15):1535-1537. doi: 10.1016/j.jcin.2017.06.053.
127. Optical Coherence Tomography Characterization of Coronary Lithoplasty for Treatment of Calcified Lesions: First Description. Ali ZA, Brinton TJ, Hill JM, Maehara A, Matsumura M, Karimi Galougahi K, Illindala U, Götberg M, Whitbourn R, Van Mieghem N, Meredith IT, Di Mario C, Fajadet J. *JACC Cardiovasc Imaging.* 2017 Aug;10(8):897-906. doi: 10.1016/j.jcmg.2017.05.012.
128. Percutaneous treatment of coronary chronic total occlusions: state of the art. Mattesini A, Valente S, Sorini Dini C, Bartolini S, Caiazzo G, Baldereschi G, Galassi A, Di Mario C. *G Ital Cardiol (Rome).* 2017 Jun;18(6 Suppl 1):3S-11S. doi: 10.1714/2718.27729.
129. MicroRNA-34a dependent regulation of AXL controls the activation of dendritic cells in inflammatory arthritis. Kurowska-Stolarska M, Alivernini S, Melchor EG, Elmesmari A, Tolusso B, Tange C, Petricca L, Gilchrist DS, Di Sante G, Keijzer C, Stewart L, Di Mario C, Morrison V, Brewer JM, Porter D, Milling S, Baxter RD, McCarey D, Gremese E, Lemke G, Ferraccioli G, McSharry C, McInnes IB. *Nat Commun.* 2017 Jun 22;8:15877. doi: 10.1038/ncomms15877.
130. A feasibility and safety study of intracoronary hemodilution during primary coronary angioplasty in order to reduce reperfusion injury in myocardial infarction. McGarvey M, Ali O, Iqbal MB, Ilsley C, Wong J, Di Mario C, Redwood S, Patterson T, Pennell DJ, Rogers P, Dalby M; ORCA-3 For the Optimal Restoration of Cardiac Activity (ORCA) Group. *Catheter Cardiovasc Interv.* 2017 Jun 21. doi: 10.1002/ccd.27136. [Epub ahead of print]

131. Unlike for PCI, for TAVR smaller is better. Meucci F, Stefàno P, Di Mario C. *Int J Cardiol.* 2017 Aug 1;240:157-158. doi: 10.1016/j.ijcard.2017.03.018. No abstract available.
132. An amber signal lights up before the red: do not dismiss it. Di Mario C, Mattesini A, Waksman R. *Eur Heart J.* 2017 Jun 7. doi: 10.1093/eurheartj/ehx292. [Epub ahead of print]
133. Accuracy of 99mTc-Hydroxymethylene diphosphonate scintigraphy for diagnosis of transthyretin cardiac amyloidosis. Cappelli F, Gallini C, Di Mario C, Costanzo EN, Vaggelli L, Tutino F, Ciaccio A, Bartolini S, Angelotti P, Frusconi S, Farsetti S, Vergaro G, Giorgetti A, Marzullo P, Genovesi D, Emdin M, Perfetto F. *J Nucl Cardiol.* 2017 May 23. doi: 10.1007/s12350-017-0922-z. [Epub ahead of print]
134. Assessing the Eligibility Criteria in Phase III Randomized Controlled Trials of Drug Therapy in Heart Failure With Preserved Ejection Fraction: The Critical Play-Off Between a "Pure" Patient Phenotype and the Generalizability of Trial Findings. Patel HC, Hayward C, Dungu JN, Papadopoulou S, Saidmeerasah A, Ray R, Di Mario C, Shanmugam N, Cowie MR, Anderson LJ. *J Card Fail.* 2017 Jul;23(7):517-524. doi: 10.1016/j.cardfail.2017.04.006. Epub 2017 Apr 18.
135. Bioresorbable Vascular Scaffolds as a Treatment Option for Left Main Lesions. Jabbour RJ, Tanaka A, Capranzano P, Cortese B, Lesiak M, Testa L, Gatto P, Suarez de Lezo J, Mattesini A, Geraci S, Ielasi A, Diletti R, Capodanno D, Buccheri D, Iwanczyk S, Bedogni F, Tchetché D, Di Mario C, Caramanno G, Van Mieghem NM, Tamburino C, Colombo A, Latib A. *JACC Cardiovasc Interv.* 2017 Apr 10;10(7):743-745. doi: 10.1016/j.jcin.2017.01.038. No abstract available.
136. Percutaneous Intervention for Concurrent Chronic Total Occlusions in Patients With STEMI: We Should EXPLORE More! Parodi G, Di Mario C. *J Am Coll Cardiol.* 2017 Apr 4;69(13):1757-1758. doi: 10.1016/j.jacc.2016.10.094. No abstract available.
137. Twelve-month outcomes after bioresorbable vascular scaffold implantation in patients with acute coronary syndromes. Data from the European Multicenter GHOST-EU Extended Registry. Schnorbus B, Wiebe J, Capodanno D, Brugaletta S, Geraci S, Mehilli J, Latib A, Lesiak M, Jensen C, Mattesini A, Münzel T, Capranzano P, Di Mario C, Naber C, Araszkiwicz A, Colombo A, Caramanno G, Sabate M, Tamburino C, Nef H, Gori T. *EuroIntervention.* 2017 Oct 13;13(9):e1104-e1111. doi: 10.4244/EIJ-D-16-00568.
138. Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. Davies JE, Sen S, Dehbi HM, Al-Lamee R, Petraco R, Nijjer SS, Bhindi R, Lehman SJ, Walters D, Sapontis J, Janssens L, Vrints CJ, Khashaba A, Laine M, Van Belle E, Krackhardt F, Bojara W, Going O, Härle T, Indolfi C, Niccoli G, Ribichini F, Tanaka N, Yokoi H, Takashima H, Kikuta Y, Erglis A, Vinhas H, Canas Silva P, Baptista SB, Alghamdi A, Hellig F, Koo BK, Nam CW, Shin ES, Doh JH, Brugaletta S, Alegria-Barrero E, Meuwissen M, Piek JJ, van Royen N, Sezer M, Di Mario C, Gerber RT, Malik IS, Sharp ASP, Talwar S, Tang K, Samady H, Altman J, Seto AH, Singh J, Jeremias A, Matsuo H, Kharbanda RK, Patel MR, Serruys P, Escaned J. *N Engl J Med.* 2017 May 11;376(19):1824-1834. doi: 10.1056/NEJMoa1700445. Epub 2017 Mar 18. Psychological impairments burden and spirituality in caregivers of terminally ill cancer patients. Lai C, Luciani M, Di Mario C, Galli F, Morelli E, Ginobbi P, Aceto P, Lombardo L. *Eur J Cancer Care (Engl).* 2017 Mar 14. doi: 10.1111/ecc.12674. [Epub ahead of print]
139. Bioresorbable Everolimus-Eluting Vascular Scaffold for Long Coronary Lesions: A Subanalysis of the International, Multicenter GHOST-EU Registry. Geraci S, Kawamoto H, Caramanno G, Ruparelia N, Capodanno D, Brugaletta S, Gori T, Nef H, Sabate M, Mehilli J, Lesiak M, Naber C, Di Mario C, Capranzano

P, Wiebe J, Araszkiwicz A, Pyxaras S, Mattesini A, Münzel T, Tamburino C, Colombo A, Latib A. *JACC Cardiovasc Interv.* 2017 Mar 27;10(6):560-568. doi: 10.1016/j.jcin.2016.12.013. Epub 2017 Mar 1.

140. Predilation, sizing and post-dilation scoring in patients undergoing everolimus-eluting bioresorbable scaffold implantation for prediction of cardiac adverse events: development and internal validation of the PSP score. Ortega-Paz L, Capodanno D, Gori T, Nef H, Latib A, Caramanno G, Di Mario C, Naber C, Lesiak M, Capranzano P, Wiebe J, Mehilli J, Araszkiwicz A, Pyxaras S, Mattesini A, Geraci S, Naganuma T, Colombo A, Münzel T, Sabaté M, Tamburino C, Brugaletta S. *EuroIntervention.* 2017 Apr 20;12(17):2110-2117. doi: 10.4244/EIJ-D-16-00974.
141. Effects of renal denervation on vascular remodelling in patients with heart failure and preserved ejection fraction: A randomised control trial. Patel HC, Hayward C, Keegan J, Gatehouse PD, Rajani R, Khattar RS, Mohiaddin RH, Rosen SD, Lyon AR, di Mario C. *JRSM Cardiovasc Dis.* 2017 Jan 1;6:2048004017690988. doi: 10.1177/2048004017690988. eCollection 2017 Jan-Dec.
142. Left atrial appendage occlusion: Fighting the "dark side" of atrial fibrillation. Meucci F, Di Mario C. *Catheter Cardiovasc Interv.* 2017 Feb 15;89(3):493-494. doi: 10.1002/ccd.26944.
143. Everolimus-eluting bioresorbable vascular scaffolds for treatment of complex chronic total occlusions. Fam JM, Ojeda S, Garbo R, Latib A, La Manna A, Vaquerizo B, Boukhris M, Vlachojannis GJ, van Geuns RJ, Ezhumalai B, Kawamoto H, van der Sijde J, Felix C, Pan M, Serdoz R, Boccuzzi GG, De Paolis M, Sardella G, Mancone M, Tamburino C, Smits PC, Di Mario C, Seth A, Serra A, Colombo A, Serruys P, Galassi AR, Zijlstra F, Van Mieghem NM, Diletti R. *EuroIntervention.* 2017 Jun 20;13(3):355-363. doi: 10.4244/EIJ-D-16-00253.
144. Instantaneous wave-free ratio to guide coronary revascularisation: physiological framework, validation and differences from fractional flow reserve. de Waard GA, Di Mario C, Lerman A, Serruys PW, van Royen N. *EuroIntervention.* 2017 Jul 20;13(4):450-458. doi: 10.4244/EIJ-D-16-00456.
145. Calcium: A predictor of interventional treatment failure across all fields of cardiovascular medicine. Mattesini A, Di Mario C. *Int J Cardiol.* 2017 Mar 15;231:97-98. doi: 10.1016/j.ijcard.2017.01.054. Epub 2017 Jan 10.
146. Intracoronary Imaging. Giavarini A, Kilic ID, Redondo Diéguez A, Longo G, Vandormael I, Pareek N, Kanyal R, De Silva R, Di Mario C. *Heart.* 2017 May;103(9):708-725. doi: 10.1136/heartjnl-2015-307888. Epub 2017 Jan 5
147. The year in cardiology 2016: coronary interventions. Di Mario C, Sorini Dini C, Wijns W. *Eur Heart J.* 2017 Apr 7;38(14):1017-1027. doi: 10.1093/eurheartj/ehw649.
148. Immediate and 12-Month Outcomes of Ischemic Versus Nonischemic Functional Mitral Regurgitation in Patients Treated With MitraClip (from the 2011 to 2012 Pilot Sentinel Registry of Percutaneous Edge-To-Edge Mitral Valve Repair of the European Society of Cardiology). Pighi M, Estevez-Loureiro R, Maisano F, Ussia GP, Dall'Ara G, Franzen O, Laroche C, Settergren M, Winter R, Nickenig G, Gilard M, Di Mario C; Transcatheter Valve Treatment Sentinel Registry (TCVT) Investigators of the EURObservational Research Programme (EORP) of the European Society of Cardiology *Am J Cardiol.* 2017 Feb 15;119(4):630-637. doi: 10.1016/j.amjcard.2016.10.049. Epub 2016 Nov 16.

149. Feasibility of cardiovascular magnetic resonance derived coronary wave intensity analysis. Raphael CE, Keegan J, Parker KH, Simpson R, Collinson J, Vassiliou V, Wage R, Drivas P, Strain S, Cooper R, de Silva R, Stables RH, Di Mario C, Frenneaux M, Pennell DJ, Davies JE, Hughes AD, Firmin D, Prasad SK. *J Cardiovasc Magn Reson*. 2016 Dec 9;18(1):93.
150. Conquering CTO revascularisation: the summit is near with 90% of the ascent behind us. Di Mario C, Sorini Dini C. *EuroIntervention*. 2016 Dec 10;12(11):e1319-e1321. doi: 10.4244/EIJV12I11A218
151. Coronary covered stents. Kilic ID, Fabris E, Serdoz R, Caiazza G, Foin N, Abou-Sherif S, Di Mario C. *EuroIntervention*. 2016 Nov 20;12(10):1288-1295. doi: 10.4244/EIJV12I10A210. Review.
152. Long-term outcomes after Resolute zotarolimus-eluting stent implantation in patients with ST-segment elevation acute myocardial infarction: insights from the RESOLUTE All Comers Trial and the RESOLUTE Global Clinical Trial Program. Di Mario C, Serruys PW, Silber S, Lu S, Wang W, Widimský P, Xu B, Windecker S. *EuroIntervention*. 2016 Nov 20;12(10):1207-1214. doi: 10.4244/EIJV12I10A199.
153. Everolimus-Eluting Stents or Bypass Surgery for Left Main Coronary Artery Disease. Stone GW, Sabik JF, Serruys PW, Simonton CA, Généreux P, Puskas J, Kandzari DE, Morice MC, Lembo N, Brown WM 3rd, Taggart DP, Banning A, Merkely B, Horkay F, Boonstra PW, van Boven AJ, Ungi I, Bogáts G, Mansour S, Noiseux N, Sabaté M, Pomar J, Hickey M, Gershlick A, Buszman P, Bochenek A, Schampaert E, Pagé P, Dressler O, Kosmidou I, Mehran R, Pocock SJ, Kappetein AP; EXCEL Trial Investigators. *N Engl J Med*. 2016 Dec 8;375(23):2223-2235. Epub 2016 Oct 31.
154. Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy: Insights From Wave Intensity Analysis and Magnetic Resonance. Raphael CE, Cooper R, Parker KH, Collinson J, Vassiliou V, Pennell DJ, de Silva R, Hsu LY, Greve AM, Nijjer S, Broyd C, Ali A, Keegan J, Francis DP, Davies JE, Hughes AD, Arai A, Frenneaux M, Stables RH, Di Mario C, Prasad SK. *J Am Coll Cardiol*. 2016 Oct 11;68(15):1651-1660. doi: 10.1016/j.jacc.2016.07.751.
155. Utility of Intravascular Ultrasound in Percutaneous Revascularization of Chronic Total Occlusions: An Overview. Galassi AR, Sumitsuji S, Boukhris M, Brilakis ES, Di Mario C, Garbo R, Spratt JC, Christiansen EH, Gagnor A, Avran A, Sianos G, Werner GS. *JACC Cardiovasc Interv*. 2016 Oct 10;9(19):1979-1991. doi: 10.1016/j.jcin.2016.06.057. Review.
156. MicroRNA-155 influences B-cell function through PU.1 in rheumatoid arthritis. Alivernini S, Kurowska-Stolarska M, Tolusso B, Benvenuto R, Elmesmari A, Canestri S, Petricca L, Mangoni A, Fedele AL, Di Mario C, Gigante MR, Gremese E, McInnes IB, Ferraccioli G. *Nat Commun*. 2016 Sep 27;7:12970. doi: 10.1038/ncomms12970.
157. Five-year outcomes of chronic total occlusion treatment with a biolimus A9-eluting biodegradable polymer stent versus a sirolimus-eluting permanent polymer stent in the LEADERS all-comers trial. Ghione M, Wykrzykowska JJ, Windecker S, Serruys PW, Buszman P, Linke A, Sohn HY, Corti R, Antoni D, Wijns W, Estevez-Loureiro R, Morice MC, Van Es GA, van Geuns RJ, Juni P, Eerdmans P, De Vries T, Konik S, Di Mario C. *Cardiol J*. 2016;23(6):626-636. doi: 10.5603/CJ.a2016.0071. Epub 2016 Sep 26.

159. Predictors of Bioresorbable Everolimus-Eluting Scaffold Failure at Intravascular Ultrasound Examination: Asymmetry Versus Expansion. Caiazzo G, Di Mario C. *JACC Cardiovasc Interv.* 2016 Sep 26;9(18):1970-1. doi: 10.1016/j.jcin.2016.07.010. No abstract available.
160. Bioresorbable vascular scaffold radial expansion and conformation compared to a metallic platform: insights from in vitro expansion in a coronary artery lesion model.
161. Foin N, Lee R, Bourantas C, Mattesini A, Soh N, Lim JE, Torii R, Ng J, Liang LH, Caiazzo G, Fabris E, Kilic D, Onuma Y, Low AF, Nijjer S, Sen S, Petraco R, Al Lamee R, Davies JE, Di Mario C, Wong P, Serruys PW. *EuroIntervention.* 2016 Sep 18;12(7):834-44. doi: 10.4244/EIJV12I7A138.
162. Current bioresorbable scaffold technologies for treatment of coronary artery diseases: Do polymer and Magnesium platforms differ? Foin N, Ng J, Wong P, Di Mario C. *Int J Cardiol.* 2016 Nov 15;223:526-528. doi: 10.1016/j.ijcard.2016.08.117. Epub 2016 Aug 7. No abstract available.
163. Impact of overlapping on 1-year clinical outcomes in patients undergoing everolimus-eluting bioresorbable scaffolds implantation in routine clinical practice: Insights from the European multicenter GHOST-EU registry. Ortega-Paz L, Capodanno D, Giacchi G, Gori T, Nef H, Latib A, Caramanno G, Di Mario C, Naber C, Lesiak M, Capranzano P, Wiebe J, Mehilli J, Araszkievicz A, Pyxaras S, Mattesini A, Geraci S, Naganuma T, Colombo A, Münzel T, Sabaté M, Tamburino C, Brugaletta S. *Catheter Cardiovasc Interv.* 2017 Apr;89(5):812-818. doi: 10.1002/ccd.26674. Epub 2016 Aug 12.
164. Absorb vs. DESolve: an optical coherence tomography comparison of acute mechanical performances. Mattesini A, Boeder N, Valente S, Löblich K, Dörr O, Secco GG, Foin N, Caiazzo G, Ghione M, Gensini GF, Porto I, Di Mario C, Nef H. *EuroIntervention.* 2016 Aug 5;12(5):e566-73. doi: 10.4244/EIJV12I5A96.
165. Guide extension, unmissable tool in the armamentarium of modern interventional cardiology. A comprehensive review. Fabris E, Kennedy MW, Di Mario C, Sinagra G, Roolvink V, Ottervanger JP, Van't Hof AW, Kedhi E. *Int J Cardiol.* 2016 Nov 1;222:141-7. doi: 10.1016/j.ijcard.2016.07.168. Epub 2016 Jul 29.
166. Bioresorbable Scaffold Thrombosis: Why BRS Size Matters. Foin N, Mattesini A, Wong P, Di Mario C. *J Am Coll Cardiol.* 2016 Aug 2;68(5):571-2. doi: 10.1016/j.jacc.2016.03.603.
167. The evolving landscape of oral anti-arrhythmic prescriptions for atrial fibrillation in England: 1998-2014. Hayward C, Patel HC, Patel K, Di Mario C, Lyon AR, Ahsan SY, Rowland E. *Eur Heart J Cardiovasc Pharmacother.* 2016 Apr;2(2):90-4. doi: 10.1093/ehjcvp/pvv048. Epub 2015 Nov 26.
168. Prevalence and Prognostic Significance of Right Ventricular Systolic Dysfunction in Patients Undergoing Transcatheter Aortic Valve Implantation. Lindsay AC, Harron K, Jabbour RJ, Kanyal R, Snow TM, Sawhney P, Alpendurada F, Roughton M, Pennell DJ, Duncan A, Di Mario C, Davies SW, Mohiaddin RH, Moat NE. *Circ Cardiovasc Interv.* 2016 Jul;9(7). pii: e003486. doi: 10.1161/CIRCINTERVENTIONS.115.003486.
169. Bioresorbable vascular scaffold use for coronary bifurcation lesions: A substudy from GHOST EU registry. Naganuma T, Colombo A, Lesiak M, Capodanno D, Gori T, Nef H, Caramanno G, Naber C, Di Mario C, Ruparelia N, Capranzano P, Wiebe J, Araszkievicz A, Geraci S, Kawamoto H, Pyxaras S, Mattesini

A, Münzel T, Tamburino C, Latib A. *Catheter Cardiovasc Interv.* 2017 Jan;89(1):47-56. doi: 10.1002/ccd.26634. Epub 2016 Jul 14.

170. Optical coherence tomography guidance for percutaneous coronary intervention with bioresorbable scaffolds. Caiazzo G, Longo G, Giavarini A, Kilic ID, Fabris E, Serdoz R, Mattesini A, Foin N, Secco GG, De Rosa S, Indolfi C, Di Mario C. *Int J Cardiol.* 2016 Oct 15;221:352-8. doi: 10.1016/j.ijcard.2016.07.033. Epub 2016 Jul 5.
171. Over-expansion capacity and stent design model: An update with contemporary DES platforms. Ng J, Foin N, Ang HY, Fam JM, Sen S, Nijjer S, Petraco R, Di Mario C, Davies J, Wong P. *Int J Cardiol.* 2016 Oct 15;221:171-9. doi: 10.1016/j.ijcard.2016.06.097. Epub 2016 Jun 24.
172. Kissing, Snuggling, or "Potting"? The Evolution of Stenting Techniques in Bifurcations. Di Mario C, Foin N. *JACC Cardiovasc Interv.* 2016 Jul 11;9(13):1407-9. doi: 10.1016/j.jcin.2016.05.010.
173. The 2011-2012 pilot European Society of Cardiology Sentinel Registry of Transcatheter Aortic Valve Implantation: 12-month clinical outcomes. Gilard M, Schlüter M, Snow TM, Dall'Ara G, Eltchaninoff H, Moat N, Goicolea J, Ussia GP, Kala P, Wenaweser P, Zembala M, Nickenig G, Price S, Alegria Barrero E, lung B, Zamorano P, Schuler G, Corti R, Alfieri O, Prendergast B, Ludman P, Windecker S, Sabate M, Witkowski A, Danenberg H, Schroeder E, Romeo F, Macaya C, Derumeaux G, Laroche C, Pighi M, Serdoz R, Di Mario C. *EuroIntervention.* 2016 May 17;12(1):79-87. doi: 10.4244/EIJV12I1A15.
174. Optical coherence tomography evaluation of intermediate-term healing of different stent types: systemic review and meta-analysis. Iannaccone M, D'Ascenzo F, Templin C, Omedè P, Montefusco A, Guagliumi G, Serruys PW, Di Mario C, Kochman J, Quadri G, Biondi-Zoccai G, Lüscher TF, Moretti C, D'Amico M, Gaita F, Stone GW. *Eur Heart J Cardiovasc Imaging.* 2017 Feb;18(2):159-166. doi: 10.1093/ehjci/jew070. Epub 2016 Apr 20. Review.
175. CMR Guidance for Recanalization of Coronary Chronic Total Occlusion. Bucciarelli-Ducci C, Auger D, Di Mario C, Locca D, Petryka J, O'Hanlon R, Grasso A, Wright C, Symmonds K, Wage R, Asimacopoulos E, Del Furia F, Lyne JC, Gatehouse PD, Fox KM, Pennell DJ. *JACC Cardiovasc Imaging.* 2016 May;9(5):547-56. doi: 10.1016/j.jcmg.2015.10.025. Epub 2016 Apr 13.
176. Invasive coronary imaging: any role in primary and secondary prevention? Di Mario C, Moreno PR. *Eur Heart J.* 2016 Jun 21;37(24):1883-90. doi: 10.1093/eurheartj/ehv323. Epub 2016 Mar 21.
177. Renal denervation in heart failure with preserved ejection fraction (RDT-PEF): a randomized controlled trial. Patel HC, Rosen SD, Hayward C, Vassiliou V, Smith GC, Wage RR, Bailey J, Rajani R, Lindsay AC, Pennell DJ, Underwood SR, Prasad SK, Mohiaddin R, Gibbs JS, Lyon AR, Di Mario C. *Eur J Heart Fail.* 2016 Jun;18(6):703-12. doi: 10.1002/ejhf.502. Epub 2016 Mar 16.
178. Periprocedural Myocardial Injury and Long-Term Clinical Outcome in Patients Undergoing Percutaneous Coronary Interventions of Coronary Chronic Total Occlusion. Di Serafino L, Borgia F, Maeremans J, Pyxaras SA, De Bruyne B, Wijns W, Heyndrickx GR, Dens J, Di Mario C, Barbato E. *J Invasive Cardiol.* 2016 Oct;28(10):410-414. Epub 2016 Mar 15.
179. Nonatherosclerotic Coronary Artery Narrowing. Fabris E, Kilic ID, Caiazzo G, Serdoz R, Foin N, Sinagra G, Di Mario C. *JACC Cardiovasc Imaging.* 2016 Mar;9(3):317-20. doi: 10.1016/j.jcmg.2015.03.016. No abstract available.

180. Left atrial dilation in patients with heart failure and preserved ejection fraction: Insights from cardiovascular magnetic resonance. Vassiliou VS, Patel HC, Rosen SD, Auger D, Hayward C, Alpendurada F, Lyon AR, Pennell DJ, Di Mario C, Prasad SK. *Int J Cardiol.* 2016 May 1;210:158-60. doi: 10.1016/j.ijcard.2016.02.101. Epub 2016 Feb 21.
181. Balancing idealism with realism to safeguard the welfare of patients: The importance of Heart Team led decision-making in patients with complex coronary artery disease. Farooq V, Di Mario C, Serruys PW. *Indian Heart J* 2016 Jan-Feb;68(1):1-5. doi: 10.1016/j.ihj.2015.10.385. Epub 2016 Jan 12.
182. 1-Year Outcomes of Everolimus-Eluting Bioresorbable Scaffolds Versus Everolimus-Eluting Stents: A Propensity-Matched Comparison of the GHOST-EU and XIENCE V USA Registries. Tamburino C, Capranzano P, Gori T, Latib A, Lesiak M, Nef H, Caramanno G, Naber C, Mehilli J, Di Mario C, Sabaté M, Münzel T, Colombo A, Araszkiwicz A, Wiebe J, Geraci S, Jensen C, Mattesini A, Brugaletta S, Capodanno D. *JACC Cardiovasc Interv.* 2016 Mar 14;9(5):440-9. doi: 10.1016/j.jcin.2015.10.042. Epub 2016 Jan 6.
183. Theory and practical based approach to chronic total occlusions. Sianos G, Konstantinidis NV, Di Mario C, Karvounis H. *BMC Cardiovasc Disord.* 2016 Feb 9;16:33. doi: 10.1186/s12872-016-0209-3
184. Time-related changes in neointimal tissue coverage of a novel Sirolimus eluting stent: Serial observations with optical coherence tomography. Secco GG, Mattesini A, Fattori R, Parisi R, Castriota F, Vercellino M, Dall'Ara G, Ugucioni L, Marinucci L, De Luca G, Marino PN, Pistis G, Di Mario C. *Cardiovasc Revasc Med.* 2016 Jan-Feb;17(1):38-43. doi: 10.1016/j.carrev.2015.12.001. Epub 2015 Dec 19.
185. Bioresorbable Scaffold vs. Second Generation Drug Eluting Stent in Long Coronary Lesions requiring Overlap: A Propensity-Matched Comparison (the UNDERDOGS study). Biscaglia S, Ugo F, Ielasi A, Secco GG, Durante A, D'Ascenzo F, Cerrato E, Balghith M, Pasquetto G, Penzo C, Fineschi M, Bonechi F, Templin C, Menozzi M, Aquilina M, Rognoni A, Capasso P, Di Mario C, Brugaletta S, Campo G. *Int J Cardiol.* 2016 Apr 1;208:40-5. doi: 10.1016/j.ijcard.2016.01.202. Epub 2016 Jan 21.
186. Bioresorbable Scaffold Failure Due to Chronic Recoil in a Myocardial Bridge. Giavarini A, Longo G, Chen J, Rodríguez R, Di Mario C. *JACC Cardiovasc Interv.* 2016 Mar 28;9(6):e49-51. doi: 10.1016/j.jcin.2015.11.040. Epub 2016 Jan 20. No abstract available.
187. Renal artery sympathetic denervation: observations from the UK experience. Sharp AS, Davies JE, Lobo MD, Bent CL, Mark PB, Burchell AE, Thackray SD, Martin U, McKane WS, Gerber RT, Wilkinson JR, Antonios TF, Doulton TW, Patterson T, Clifford PC, Lindsay A, Houston GJ, Freedman J, Das N, Belli AM, Faris M, Cleveland TJ, Nightingale AK, Hameed A, Mahadevan K, Finegold JA, Mather AN, Levy T, D'Souza R, Riley P, Moss JG, Di Mario C, Redwood SR, Baumbach A, Caulfield MJ, Dasgupta I. *Clin Res Cardiol.* 2016 Jun;105(6):544-52. doi: 10.1007/s00392-015-0959-4. Epub 2016 Jan 22.
188. Renal denervation for the management of resistant hypertension. Patel HC, Hayward C, Vassiliou V, Patel K, Howard JP, Di Mario C. *Integr Blood Press Control.* 2015 Dec 3;8:57-69. doi: 10.2147/IBPC.S65632. eCollection 2015. Review.
189. First generation versus second generation drug-eluting stents for the treatment of bifurcations: 5-year follow-up of the LEADERS all-comers randomized trial. Grundeken MJ, Wykrzykowska JJ, Ishibashi Y, Garg S, de Vries T, Garcia-Garcia HM, Onuma Y, de Winter RJ, Buszman P, Linke A, Ischinger T, Klaus V, Eberli F, Corti R, Wijns W, Morice MC, di Mario C, Meier B, Jüni P, Yazdani A, Copt S, Windecker S, Serruys PW. *Catheter Cardiovasc Interv.* 2016 Jun;87(7):E248-60. doi: 10.1002/ccd.26344. Epub 2015 Dec 9.

190. OCT imaging of aorto-coronary vein graft pathology modified by external stenting: 1-year post-surgery. Webb CM, Orion E, Taggart DP, Channon KM, Di Mario C. *Eur Heart J Cardiovasc Imaging*. 2016 Nov;17(11):1290-1295. Epub 2015 Nov 30.
191. Bioresorbable vascular scaffold restenosis: intravascular imaging evaluation. Fabris E, Kilic ID, Caiazzo G, Serdoz R, Foin N, Sinagra G, Di Mario C. *J Cardiovasc Med (Hagerstown)*. 2016 Dec;17 Suppl 2:e132-e135. doi: 10.2459
192. Supra annular position of a transcatheter aortic valve prosthesis: from bed to bench. Matteo G, Foin N, Estevez-Loureiro R, Davies J, Di Mario C. *Cardiovasc Revasc Med*. 2015 Oct-Nov;16(7):437-8. doi: 10.1016/j.carrev.2015.07.003. Epub 2015 Jul 22.
193. Indications and immediate and long-term results of a novel pericardium covered stent graft: Consecutive 5 year single center experience. Secco GG, Serdoz R, Kilic ID, Caiazzo G, Mattesini A, Parisi R, De Luca G, Pistis G, Marino PN, Di Mario C. *Catheter Cardiovasc Interv*. 2016 Mar;87(4):712-9. doi: 10.1002/ccd.26131. Epub 2015 Nov 6.
194. The triad of residual ischaemia, plaque burden, and plaque vulnerability: a known known?...a known unknown?...or an unknown unknown? Farooq V, Di Mario C, Serruys PW. *EuroIntervention*. 2015 Oct;11(6):611-9. doi: 10.4244/EIJV11I6A122.
195. Comparative analysis method of permanent metallic stents (XIENCE) and bioresorbable poly-L-lactic (PLLA) scaffolds (Absorb) on optical coherence tomography at baseline and follow-up. Nakatani S, Sotomi Y, Ishibashi Y, Grundeken MJ, Tateishi H, Tenekecioglu E, Zeng Y, Suwannasom P, Regar E, Radu MD, Räber L, Bezerra H, Costa MA, Fitzgerald P, Prati F, Costa RA, Dijkstra J, Kimura T, Kozuma K, Tanabe K, Akasaka T, Di Mario C, Serruys PW, Onuma Y. *EuroIntervention*. 2016 Dec 20;12(12):1498-1509. doi: 10.4244/EIJY15M10_03.
196. Keegan J, Raphael CE, Parker K, Simpson RM, Strain S, de Silva R, Di Mario C, Collinson J, Stables RH, Wage R, Drivas P, Sugathapala M, Prasad SK, Firmin DN. *J Cardiovasc Magn Reson*. 2015 Oct 2;17:85. doi: 10.1186/s12968-015-0189-y.
197. Near-infrared spectroscopy-intravascular ultrasound: scientific basis and clinical applications. Kilic ID, Caiazzo G, Fabris E, Serdoz R, Abou-Sherif S, Madden S, Moreno PR, Goldstein J, Di Mario C. *Eur Heart J Cardiovasc Imaging*. 2015 Dec;16(12):1299-306. doi: 10.1093/ehjci/jev208. Epub 2015 Sep 20.
198. Is high pressure postdilation safe in bioresorbable vascular scaffolds? Optical coherence tomography observations after noncompliant balloons inflated at more than 24 atmospheres. Fabris E, Caiazzo G, Kilic ID, Serdoz R, Secco GG, Sinagra G, Lee R, Foin N, Di Mario C. *Catheter Cardiovasc Interv*. 2016 Apr;87(5):839-46. doi: 10.1002/ccd.26222. Epub 2015 Sep 15.
199. Early and midterm outcomes of bioresorbable vascular scaffolds for ostial coronary lesions: insights from the GHOST-EU registry. Gori T, Wiebe J, Capodanno D, Latib A, Lesiak M, Pyxaras SA, Mehilli J, Caramanno G, Di Mario C, Brugaletta S, Weber J, Capranzano P, Sabate M, Mattesini A, Geraci S, Naber CK, Araszkiwicz A, Colombo A, Tamburino C, Nef H, Münzel T. *EuroIntervention*. 2016 Aug 5;12(5):e550-6. doi: 10.4244/EIJY15M09_10.
200. Open questions for non-infarct-related arteries in STEMI. Di Mario C, Rosser G. *Lancet*. 2015 Aug 15;386(9994):630-2.

201. Bioresorbable vascular scaffold overlap evaluation with optical coherence tomography after implantation with or without enhanced stent visualization system (WOLFIE study): a two-centre prospective comparison. Biscaglia S, Campo G, Tebaldi M, Tumscitz C, Pavasini R, Fileti L, Secco GG, Di Mario C, Ferrari R. *Int J Cardiovasc Imaging*. 2016 Feb;32(2):211-23. doi: 10.1007/s10554-015-0756-1. Epub 2015 Sep 1.
202. Absorb bioresorbable vascular scaffold: What have we learned after 5 years of clinical experience? Caiazzo G, Kilic ID, Fabris E, Serdoz R, Mattesini A, Foin N, De Rosa S, Indolfi C, Di Mario C. *Int J Cardiol*. 2015 Dec 15;201:129-36. doi: 10.1016/j.ijcard.2015.07.101. Epub 2015 Aug 7.
203. Appropriateness of percutaneous revascularization of coronary chronic total occlusions: an overview. Galassi AR, Brilakis ES, Boukhris M, Tomasello SD, Sianos G, Karpaliotis D, Di Mario C, Strauss BH, Rinfret S, Yamane M, Katoh O, Werner GS, Reifart N. *Eur Heart J*. 2016 Sep 14;37(35):2692-700. doi: 10.1093/eurheartj/ehv391. Epub 2015 Aug 7.
204. Flow patterns in externally stented saphenous vein grafts and development of intimal hyperplasia. Meirson T, Orion E, Di Mario C, Webb C, Patel N, Channon KM, Ben Gal Y, Taggart DP. *J Thorac Cardiovasc Surg*. 2015 Oct;150(4):871-8. doi: 10.1016/j.jtcvs.2015.04.061. Epub 2015 Jul 2.
205. Management of concomitant coronary artery disease in patients undergoing transcatheter aortic valve implantation: the United Kingdom TAVI Registry. Snow TM, Ludman P, Banya W, DeBelder M, MacCarthy PM, Davies SW, Di Mario C, Moat NE. *Int J Cardiol*. 2015 Nov 15;199:253-60. doi: 10.1016/j.ijcard.2015.06.166. Epub 2015 Jul 4.
206. Inducing Persistent Flow Disturbances Accelerates Atherogenesis and Promotes Thin Cap Fibroatheroma Development in D374Y-PCSK9 Hypercholesterolemic Minipigs. Pedrigo RM, Poulsen CB, Mehta VV, Ramsing Holm N, Pareek N, Post AL, Kilic ID, Banya WA, Dall'Ara G, Mattesini A, Bjørklund MM, Andersen NP, Grøndal AK, Petretto E, Foin N, Davies JE, Di Mario C, Fog Bentzon J, Erik Bøtker H, Falk E, Krams R, de Silva R. *Circulation*. 2015 Sep 15;132(11):1003-12. doi: 10.1161/CIRCULATIONAHA.115.016270. Epub 2015 Jul 15.
207. Consistency of benefit from an early invasive strategy after fibrinolysis: a patient-level meta-analysis. Abdel-Qadir H, Yan AT, Tan M, Borgia F, Piscione F, Di Mario C, Halvorsen S, Cantor WJ, Westerhout CM, Scheller B, Le May MR, Fernandez-Aviles F, Sánchez PL, Lee DS, Goodman SG. *Heart*. 2015 Oct;101(19):1554-61. doi: 10.1136/heartjnl-2015-307815. Epub 2015 Jul 14.
208. Three-dimensional optical coherence tomography reconstruction of a long coronary artery dissection: advantages over intravascular ultrasound imaging. Caiazzo G, Kilic ID, Foin N, Fabris E, Serdoz R, Indolfi C, Di Mario C. *J Cardiovasc Med (Hagerstown)*. 2016 Dec;17 Suppl 2:e107-e108. doi: 10.2459/JCM.0000000000000291.
209. Effect of advanced chronic kidney disease in clinical and echocardiographic outcomes of patients treated with MitraClip system. Estévez-Loureiro R, Settergren M, Pighi M, Winter R, D'Allara G, Jacobsen P, Sondergaard L, Cheung G, Ghione M, Ihlemann N, Moat NE, Price S, Rosenberg TS, Di Mario C, Franzen O. *Int J Cardiol*. 2015 Nov 1;198:75-80. doi: 10.1016/j.ijcard.2015.06.137. Epub 2015 Jul 2.
210. Bioabsorbable vascular scaffold overexpansion: insights from in vitro post-expansion experiments. Foin N, Lee R, Mattesini A, Caiazzo G, Fabris E, Kilic D, Chan JN, Huang Y, Venkatraman SS, Di Mario C, Wong P, Nef H. *EuroIntervention*. 2016 Mar;11(12):1389-99. doi: 10.4244/EIJY15M07_02.

211. A cross-sectional imaging study to identify organs at risk of thermal injury during renal artery sympathetic denervation. Patel HC, Otero S, Moser JB, Hayward C, Rosen SD, Lyon AR, Mohiaddin R, di Mario C, Padley S. *Int J Cardiol.* 2015 Oct 15;197:235-40. doi: 10.1016/j.ijcard.2015.06.068. Epub 2015 Jun 30.
212. Very high-pressure dilatation for undilatable coronary lesions: indications and results with a new dedicated balloon. Secco GG, Ghione M, Mattesini A, Dall'Ara G, Ghilencea L, Kilickesmez K, De Luca G, Fattori R, Parisi R, Marino PN, Lupi A, Foin N, Di Mario C. *EuroIntervention.* 2016 Jun 20;12(3):359-65. doi: 10.4244/EIJY15M06_04.
213. Tumour-associated antigens in systemic sclerosis patients with interstitial lung disease: association with lung involvement and cancer risk. De Luca G, Bosello SL, Berardi G, Rucco M, Canestrari G, Correra M, Mirone L, Forni F, Di Mario C, Danza FM, Pirroni T, Ferraccioli G. *Rheumatology (Oxford).* 2015 Nov;54(11):1991-9. doi: 10.1093/rheumatology/kev204. Epub 2015 Jun 22.
214. Clinical and economic consequences of non-cardiac incidental findings detected on cardiovascular computed tomography performed prior to transcatheter aortic valve implantation (TAVI). Lindsay AC, Sriharan M, Lazoura O, Sau A, Roughton M, Jabbour RJ, Di Mario C, Davies SW, Moat NE, Padley SP, Rubens MB, Nicol ED. *Int J Cardiovasc Imaging.* 2015 Oct;31(7):1435-46. doi: 10.1007/s10554-015-0685-z. Epub 2015 Jun 12.
215. Retrograde Recanalization of Chronic Total Occlusions in Europe: Procedural, In-Hospital, and Long-Term Outcomes From the Multicenter ERCTO Registry. Galassi AR, Sianos G, Werner GS, Escaned J, Tomasello SD, Boukhris M, Castaing M, Büttner JH, Bufe A, Kalnins A, Spratt JC, Garbo R, Hildick-Smith D, Elhadad S, Gagnor A, Lauer B, Bryniarski L, Christiansen EH, Thuesen L, Meyer-Geßner M, Goktekin O, Carlino M, Louvard Y, Lefèvre T, Lismanis A, Gelev VL, Serra A, Marzà F, Di Mario C, Reifart N; Euro CTO Club. *J Am Coll Cardiol.* 2015 Jun 9;65(22):2388-400. doi: 10.1016/j.jacc.2015.03.566.
216. Change in coronary blood flow after percutaneous coronary intervention in relation to baseline lesion physiology: results of the JUSTIFY-PCI study. Nijjer SS, Petraco R, van de Hoef TP, Sen S, van Lavieren MA, Foale RA, Meuwissen M, Broyd C, Echavarría-Pinto M, Al-Lamee R, Foin N, Sethi A, Malik IS, Mikhail GW, Hughes AD, Mayet J, Francis DP, Di Mario C, Escaned J, Piek JJ, Davies JE. *Circ Cardiovasc Interv.* 2015 Jun;8(6):e001715. doi: 10.1161/CIRCINTERVENTIONS.114.001715.

Grants

- | | | |
|---|-------------------|------------------|
| • 1990 Scholarship on pathological correlates of IVUS images: | Eur Soc Cardiol | 23,000 Euro |
| • 1992 Projects on networking for intravascular imaging: | Europ Commun | 300,000 Euro |
| • 1993-7 DEBATE trial (coPI): | Cardiometrics | 2,700,000 Euro |
| • 1997-2000 DESTINI trial (PI): | Volcano | 3,500,000 Euro |
| • 2001-06 CARESS Study (PI): | Eli Lilly Europe: | 2.5 Million Euro |
| • 1998-9 RECOVERS (coPI): | JOMED | 600,000 Euro |
| • 1999-2000 HELP-AMI (PI): | CORDIS Italy | 150,000 Euro |
| • 2001-2002 MICROSCOPE (coPI): | CORDIS Italy | 80,000 Euro |
| • 2003-08 CARDia Trial (Local PI): | BCIS | 8000 GBP |
| • 2004-06 Reality Study (Local PI): | Cordis | 38,000 GBP |
| • 2005-06 Jupiter II Study (local PI) | Sorin | 8,804 GBP |

• 2004-07 Eurostar 2 Study (local PI):	Conor Medsystems	23,150 GBP
• 2005-08 Late strut coverage OCT (PhD student P. Barlis):	Boston/Biosensors	164,000 GBP
• 2005-06 Acuity Study (Local PI)	The Medicines Co	8,000 GBP
• 2004-09 Progress Study (local PI):	Biotronik	43,000 GBP
• 2004-07 Zomaxx I Trial (local PI)	Abbot Vascular	38,000 GBP
• 2007-2-12 Leaders Study (local PI + substudy PI)	Biosensors Europe	148,554 GBP
• 2006 Neopterin/OCT ACS Study (PhD Student G. Ferrante):	EAPCI/Rome Univ.	45,000 Euro
• 2004 Ostial PES Study (PI):	R. Brompton Har Trust	23,125 GBP
• 2005 TOP Study (local PI):	TriReme Medical Inc.	22,140 GBP
• 2009-current Resolute III Trial	Medtronic Vascular	163,420 GBP
• 2006 West London Large Animal Laboratory (Co-Applicant):	British Heart Found	2,500,000 GBP
• 2011-current DISSOLVE II Study (Local PI):	MICELL	63,234 GBP
• 2010-current EXCEL (Local PI):	Abbott Vascular	86,456 GBP
• 2012-current Cell crossing OCT Study (Local PI):	R. Brompton Har Trust	23,125 GBP
• 2011-2014 Cardiovasc. BRU Grant renewal 2011 (Co-Applicant):	Nat Inst Health Res.	3,500,000 GBP
• 2011-2016 NIHR Senior Investigator (Awardee 2011-16):	Nat Inst Health Research	75,000 GBP
• 2014-16: FLAIR trial	Imperial College	32000 GBP
• 2015-16: DISRUPT study	Shockwave	53,000 GBP
• 2014-16: UK ABSORB Registry:	ABBOTT Vascular	56000 GBP
• 2014-15: ILLUMIEN Study of OCT for guidance of stenting	St-Jude	64000 GBP
• 2014-ongoing: UK TAVI	Nat Inst Health Research	23000 GBP
• 2017-2019: TAVI Quality of Life	Edwards	15,000 Euro
• 2017-19: DISRUPT 2 (Worldwide PI)	Shockwave	25,000 Euro
• 2018-20: HUYGENS (Local PI)	AMGEN	22,000 Euro
• 2018-19: OBSERVANT 2 (Local PI)	ISS Roma	Istituzionale
• 2017-ongoing: PhD Grant Sorini-Dini	Edwards	30000 Euro
• 2017-ongoing: PhD grant Pontecorboli	Fondi dipartimentali	29,000 Euro
• 2017-ongoing: Borsa di studio Research nurse	Medtronic	15,000 Euro
• 2018-ongoing: Assegno ricerca Ristalli	Fondi dipartimentali	29,000 Euro
• 2020-ongoing: Assegno ricerca Martellini	Fondi dipartimentali	29,000 Euro
• 2018-20: ENVISAGE-TAVI (Local PI)	Daiichi Sankyo	23,000 Euro
• 2020-ongoing: SANTORINI (Local PI)	Daiichi Sankyo	ongoing
• 2020: ARCANGELO (Local PI)	Chiesi	ongoing

Professor Carlo Di Mario MD PhD FRCP FSCAI FESC FACC

Ordinario di Cardiologia (Med 11) Università di Firenze

Direttore SODc Cardiologia Interventistica Strutturale AOUc Careggi

Honorary Consultant Cardiologist, Royal Brompton Hospital & Honorary Professor Imperial College London

Firenze, 11 Marzo 2020

Con la presente firma confermo l'autorizzazione al trattamento dei dati personali ai sensi del Regolamento UE n.679/2016 e del Dlgs 2003 n. 196 e successive modificazioni.

Fto Carlo Di Mario