

**FORMATO EUROPEO
PER IL CURRICULUM
VITAE**



INFORMAZIONI PERSONALI

Nome **ROCCO VERGALLO**
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Nazionalità ITALIANA
Data di nascita 25/01/1986

ESPERIENZA LAVORATIVA

• Da ottobre 2022 ad oggi

DIRIGENTE MEDICO DI I LIVELLO

U.O.S.D. DI CARDIOLOGIA INTERVENTISTICA (DIRETTORE: PROF. M. BALBI)

DIPARTIMENTO CARDIO-TORACO-VASCOLARE (DICATOV)

OSPEDALE POLICLINICO SAN MARTINO IRCCS, GENOVA

Specialista in Malattie dell'Apparato Cardiovascolare, Cardiologo Interventista

Attività clinica svolta: cardiologo interventista (presso la sala di Emodinamica – centro specializzato nella diagnostica e nel trattamento percutaneo della cardiopatia ischemica, valvulopatie, vasculopatia periferica, nella gestione/trattamento di pazienti con instabilità emodinamica/shock cardiogeno mediante sistemi complessi di assistenza ventricolare meccanica).

• Da luglio 2020 ad settembre 2022

DIRIGENTE MEDICO DI I LIVELLO

U.O.C DI INTERVENTISTICA CARDIOLOGICA E DIAGNOSTICA INVASIVA (DIRETTORE: PROF. C. TRANI)

FONDAZIONE POLICLINICO UNIVERSITARIO A. GEMELLI IRCCS, ROMA

Specialista in Malattie dell'Apparato Cardiovascolare, Cardiologo Interventista

Attività clinica svolta: cardiologo interventista (presso la sala di Emodinamica – centro specializzato nella diagnostica e nel trattamento percutaneo della cardiopatia ischemica, valvulopatie, vasculopatia periferica, nella gestione/trattamento di pazienti con instabilità emodinamica/shock cardiogeno mediante sistemi complessi di assistenza ventricolare meccanica) e cardiologo di guardia UTIC/sub-UTIC (presso i reparti UTIC e Cardiologia Subintensiva – gestione di pazienti cardiologici acuti complessi, gestione ventilazione invasiva e non invasiva, dialisi, gestione farmacologica e mediante sistemi complessi di assistenza ventricolare meccanica di pazienti con instabilità emodinamica/shock cardiogeno).

• Da gennaio 2020 a luglio 2020

DIRIGENTE MEDICO DI I LIVELLO

U.O.C DI CARDIOLOGIA (DIRETTORE: PROF. F. CREA)

FONDAZIONE POLICLINICO UNIVERSITARIO A. GEMELLI IRCCS, ROMA

Specialista in Malattie dell'Apparato Cardiovascolare, Cardiologo Interventista

Attività clinica svolta: cardiologo clinico (presso il Reparto di Cardiologia – gestione di pazienti cardiologici stabili), cardiologo interventista (presso la sala di Emodinamica – centro specializzato nella diagnostica e nel trattamento percutaneo della cardiopatia ischemica, valvulopatie, vasculopatia periferica, nella gestione/trattamento di pazienti con instabilità emodinamica/shock cardiogeno mediante sistemi complessi di assistenza ventricolare meccanica) e cardiologo di guardia UTIC/sub-UTIC (presso i reparti UTIC e Cardiologia

Subintensiva – gestione di pazienti cardiologici acuti complessi, gestione ventilazione invasiva e non invasiva, dialisi, gestione farmacologica e mediante sistemi complessi di assistenza ventricolare meccanica di pazienti con instabilità emodinamica/shock cardiogeno).

ISTRUZIONE E FORMAZIONE

- Da novembre 2015 a ottobre 2019

Specializzazione in Malattie dell'Apparato Cardiovascolare (durata 4 anni)

Università Cattolica del Sacro Cuore, Roma

Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma

Laurea conseguita in data 30/10/2019 con il voto di 50/50 *cum laude*, discutendo una tesi dal titolo: "Clinical significance of healed coronary plaques detected by optical coherence tomography imaging" (Relatore: Prof. F. Crea, Correlatore: Prof. I. Porto).

- Da ottobre 2012 a ottobre 2015

Dottorato di Ricerca (PhD) in Cardiologia Cellulare e Molecolare (XXVIII ciclo)

Università Cattolica del Sacro Cuore, Roma

Titolo conseguito in data 30/03/2016, discutendo una tesi dal titolo: "Role of systemic and local haemodynamic factors in the pathogenesis of coronary plaque instability as assessed by optical coherence tomography imaging" (Relatore: Prof. F. Crea, Correlatori: Proff. I.K. Jang e I. Porto).

- Da luglio 2012 a gennaio 2015

Research fellowship (durata 31 mesi)

Corrigan Minehan Heart Center

Massachusetts General Hospital, Boston, MA, USA

Harvard Medical School, Boston, MA, USA

Attività di Ricerca svolta all'interno del Cardiology Laboratory for Integrative Physiology and Imaging (CLIP) sotto la supervisione del Prof. Ik-Kyung Jang.

Linea di ricerca volta a studiare la patogenesi dell'aterosclerosi e della cardiopatia ischemica mediante l'utilizzo di metodiche avanzate di imaging intravascolare [optical coherence tomography (OCT), intravascular ultrasound (IVUS), near-infrared spectroscopy (NIRS)].

- 16 febbraio 2012

Abilitazione Professionale – Medico Chirurgo

Università Cattolica del Sacro Cuore, Roma

Votazione: 270/270

- Da ottobre 2005 a ottobre 2011

Laurea in Medicina e Chirurgia (durata 6 anni)

Università Cattolica del Sacro Cuore, Roma

Titolo conseguito in data 20/10/2011, con il voto di 110/110 *cum laude*, discutendo una tesi dal titolo: "Pathogenic role of intracoronary microparticles in patients with ST-elevation myocardial infarction undergoing primary percutaneous coronary intervention" (Relatore: Prof. F. Crea, Correlatore: Prof. I. Porto).

ABILITAZIONI SCIENTIFICHE

- Da gennaio 2022 a gennaio 2031

Abilitazione Scientifica Nazionale (ASN) a Professore di II fascia (Professore Associato)

Settore Scientifico Disciplinare MED/11 - MALATTIE DELL'APPARATO CARDIOVASCOLARE (art. 16, comma 1, Legge 240/10).

ATTIVITÀ DI DIDATTICA

- Da ottobre 2022 ad oggi **Ricercatore Universitario a tempo determinato di tipo B (RTD-B)**
Università di Genova
- Da novembre 2020 ad oggi **Insegnamento di [PH000101] – Patologia e Benessere Cardiovascolare**
FACOLTA' DI MEDICINA E CHIRURGIA "A.GEMELLI"
Corso di Laurea Magistrale in Farmacia
Università Cattolica del Sacro Cuore, Roma
- Da dicembre 2020 ad oggi **Insegnamento nel Master universitario di secondo livello in "Cardiologia interventistica: prevenzione e gestione delle complicanze"**
Università Cattolica del Sacro Cuore, Roma
Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma
- Da ottobre 2019 ad oggi **Insegnamento nel Master universitario di secondo livello in "Terapia intensiva cardiologica"**
Università Cattolica del Sacro Cuore, Roma
Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma
- Da gennaio 2018 ad oggi **Attività di tutorato, revisione tesi di Laurea (MED/11) e correlatore tesi di Laurea (MED/11)**
per studenti del Corso di Laurea in Medicina e Chirurgia
Università Cattolica del Sacro Cuore, Roma

CITATION METRICS

Scopus (as of Jan 4th, 2024):

H-index: 32

Citations: 3945

Scholar (as of Jan 4th, 2024):

H-index: 33

Citations: 5152

i10-index: 77

PREMI E RICONOSCIMENTI

- Vincitore della Borsa di Studio SIC (Società Italiana di Cardiologia) per soggiorni di studio e ricerca presso istituzioni estere per l'anno 2013 (euro 12,500).
- 2014 "Young Investigator Awards (YIA) - Coronary Pathophysiology and Microcirculation" della Società Europea di Cardiologia (ESC) (*runner-up*) con il progetto dal titolo: "Low endothelial shear stress is associated with high-risk coronary plaque characteristics in humans: a combined frequency-domain optical coherence tomography and computational flow dynamics study".
- Premio Miglior Dottore di Ricerca dell'anno 2016 della Facoltà di Medicina e Chirurgia dell'Università Cattolica del Sacro Cuore di Roma (Premio consegnato durante la Giornata per la Ricerca 2017 in data 25 Maggio 2017).
- Vincitore della Borsa di Studio della "Fondazione Enrico ed Enrica Sovena" per soggiorni di studio e ricerca presso istituzioni estere per l'anno 2012 (euro 14,000) e 2015 (euro 8,000).
- Premio "Miglior comunicazione orale" nella Sessione "Aterosclerosi e Cardiopatia Ischemica" del Congresso "Conoscere e Curare il Cuore 2018" per lo studio "Pre-stenting thrombus volume assessed by dual quantitative coronary angiography enhances prediction of microvascular obstruction after primary percutaneous coronary intervention: a magnetic resonance imaging study".
- Premio "Miglior caso clinico" al congresso annuale della Società Italiana di Cardiologia Invasiva - GISE del 2018 con il caso intitolato "A case of persistent thrombus...". Milano, 10-13 Ottobre 2017.

APPARTENENZA A SOCIETÀ SCIENTIFICHE

- Società Italiana di Cardiologia
- Società Italiana di Cardiologia Invasiva (SICI-GISE)
- European Association of Percutaneous Cardiovascular Interventions (EAPCI).
- Working Group on Cardiovascular Pharmacotherapy, Società Europea di Cardiologia (ESC)

ATTIVITÀ EDITORIALI

- Membro dell'EDITORIAL BOARD e Local ASSOCIATE EDITOR della rivista scientifica "EUROPEAN HEART JOURNAL" (Editor-in-Chief: Prof. Filippo Crea; ISSN: 0195-668X; Impact Factor: 29.983).
- Reviewer per le seguenti riviste scientifiche: European Heart Journal, JACC: Cardiovascular Interventions, European Journal of Heart Failure, Eurointervention, Frontiers in Cardiovascular Medicine, Journal of the American Heart Association, American Journal of Cardiology, Coronary Artery Disease, Expert Review of Cardiovascular Therapy, Medicine.

PUBBLICAZIONI SCIENTIFICHE

Publicazioni scientifiche in estenso:

1. Pedicino D, **Vergallo R**. More blood for patients with myocardial infarction and anaemia? **Eur Heart J**. 2023 Dec 23;ehad832. doi: 10.1093/eurheartj/ehad832.
2. Araki M, Park SJ, Dauerman HL, Uemura S, Kim JS, Di Mario C, Johnson TW, Guagliumi G, Kastrati A, Joner M, Holm NR, Alfonso F, Wijns W, Adriaenssens T, Nef H, Rioufol G, Amabile N, Souteyrand G, Meneveau N, Gerbaud E, Opolski MP, Gonzalo N, Tearney GJ, Bouma B, Aguirre AD, Mintz GS, Stone GW, Bourantas CV, Räber L, Gili S, Mizuno K, Kimura S, Shinke T, Hong MK, Jang Y, Cho JM, Yan BP, Porto I, Niccoli G, Montone RA, Thondapu V, Papafakis MI, Michalis LK, Reynolds H, Saw J, Libby P, Weisz G, Iannaccone M, Gori T, Toutouzas K, Yonetsu T, Minami Y, Takano M, Raffel OC, Kurihara O, Soeda T, Sugiyama T, Kim HO, Lee T, Higuma T, Nakajima A, Yamamoto E, Bryniarski KL, Di Vito L, **Vergallo R**, Fracassi F, Russo M, Seegers LM, McNulty I, Park S, Feldman M, Escaned J, Prati F, Arbustini E, Pinto FJ, Waksman R, Garcia-Garcia HM, Maehara A, Ali Z, Finn AV, Virmani R, Kini AS, Daemen J, Kume T, Hibi K, Tanaka A, Akasaka T, Kubo T, Yasuda S, Croce K, Granada JF, Lerman A, Prasad A, Regar E, Saito Y, Sankardas MA, Subban V, Weissman NJ, Chen Y, Yu B, Nicholls SJ, Barlis P, West NEJ, Arbab-Zadeh A, Ye JC, Dijkstra J, Lee H, Narula J, Crea F, Nakamura S, Kakuta T, Fujimoto J, Fuster V, Jang. Author Correction: Optical coherence tomography in coronary atherosclerosis assessment and intervention. **Nat Rev Cardiol**. 2023 Dec 18. doi: 10.1038/s41569-023-00982-z.
3. Galli M, Niccoli G, De Maria G, Brugaletta S, Montone RA, **Vergallo R**, Benenati S, Magnani G, D'Amario D, Porto I, Burzotta F, Abbate A, Angiolillo DJ, Crea F. Author Correction: Coronary microvascular obstruction and dysfunction in patients with acute myocardial infarction. **Nat Rev Cardiol**. 2023 Dec 5. doi: 10.1038/s41569-023-00974-z. Online ahead of print. PMID: 38052973 No abstract available.
4. **Vergallo R**, Volpe M. Breaking down barriers to transcatheter aortic-valve implantation in low surgical risk patients. **Eur Heart J**. 2023 Nov 29;ehad803. doi: 10.1093/eurheartj/ehad803.
5. **Vergallo R**, Galiuto L. Shedding the optical coherence tomography light on the treatment of complex coronary bifurcation lesions. **Eur Heart J**. 2023 Nov 29;ehad790. doi: 10.1093/eurheartj/ehad790.
6. **Vergallo R**, Volpe M. Optical coherence tomography to guide percutaneous coronary intervention: is the glass half full or half empty? **Eur Heart J**. 2023 Nov 28;ehad792. doi: 10.1093/eurheartj/ehad792.
7. D'Amario D, Galli M, Restivo A, Canonico F, **Vergallo R**, Migliaro S, Trani C, Burzotta F, Aurigemma C, Laborante R, Romagnoli E, Francese F, Ceccarelli I, Borovac JA, Angiolillo DJ, Tavazzi B, Leone AM, Crea F, Patti G, Porto I. Ticagrelor Enhances the Cardioprotective Effects of Ischemic Preconditioning in Stable Patients Undergoing Percutaneous Coronary Intervention: the TAPER-S Randomized Study. **Eur Heart J Cardiovasc Pharmacother**. 2023 Nov 24;pvad092. doi: 10.1093/ehjcvp/pvad092.
8. Galli M, Niccoli G, De Maria G, Brugaletta S, Montone RA, **Vergallo R**, Benenati S, Magnani G, D'Amario D, Porto I, Burzotta F, Abbate A, Angiolillo DJ, Crea F. Coronary microvascular obstruction and dysfunction in patients with acute myocardial infarction. **Nat Rev Cardiol** 2023

9. Bianchini E, Lombardi M, Buonpane A, Ricchiuto A, Maino A, Laborante R, Anastasia G, D'Amario D, Aurigemma C, Romagnoli E, Leone AM, D'Ascenzo F, Trani C, Crea F, Porto I, Burzotta F, **Vergallo R**. Impact of thrombus aspiration on left ventricular remodeling and function in patients with ST-segment elevation myocardial infarction: A meta-analysis of randomized controlled trials. **Int J Cardiol**. 2023 Nov 17;131590. doi: 10.1016/j.ijcard.2023.131590.

10. Pedicino D, **Vergallo R**. Routine use of extracorporeal life support in cardiogenic shock after acute myocardial infarction: the jury is still out. **Eur Heart J**. 2023 Nov 18;ehad760. doi: 10.1093/eurheartj/ehad760.

11. Galante D, Leone AM, Migliaro S, Di Giusto F, Anastasia G, Petrolati E, Viceré A, Zimbaro G, Cialdella P, Basile E, D'Amario D, **Vergallo R**, Montone RA, Buffon A, Romagnoli E, Aurigemma C, Burzotta F, Trani C, Crea F. Prognostic value of combined fractional flow reserve and pressure-bounded coronary flow reserve: outcomes in FFR and Pb-CFR assessment. **Minerva Cardiol Angiol**. 2023 Nov 6. doi: 10.23736/S2724-5683.23.06399-8.

12. Chiabrando JG, Lombardi M, Seropian IM, Valle Raleigh JM, **Vergallo R**, Larribau M, Agatiello CR, Trani C, Burzotta F. Chronic systemic glucocorticoid therapy is associated with increased risk of major vascular complications and cardiac tamponade after transcatheter aortic valve implantation: a systematic review and meta-analysis. **Minerva Cardiol Angiol**. 2023 Oct 12. doi: 10.23736/S2724-5683.23.06347-0.

13. **Vergallo R**, Volpe M. Light the FIRE of revascularization in older patients with myocardial infarction. **Eur Heart J**. 2023 Dec 1;44(45):4736-4737. doi: 10.1093/eurheartj/ehad638. Cardiovascular disease prevention in people living with HIV: from REPRIEVE to a statin of grace.

14. **Vergallo R**, Patrono C. **Eur Heart J**. 2023 Nov 1;44(41):4308-4309. doi: 10.1093/eurheartj/ehad594.

15. **Vergallo R**, Galiuto L. Physical activity patterns and cardiovascular health: 'yes, weekend!'. **Eur Heart J**. 2023 Nov 7;44(42):4406-4407. doi: 10.1093/eurheartj/ehad520.

16. **Vergallo R**, Patrono C. Machine learning and myocardial infarction diagnosis: sometimes you can't make it on your own. **Eur Heart J**. 2023 Sep 14;44(35):3309-3310. doi: 10.1093/eurheartj/ehad467.

17. Romagnoli E, Burzotta F, **Vergallo R**, Gatto L, Biondi-Zoccai G, Ramazzotti V, Biccirè F, Budassi S, Trani C, Ali Z, Stone GW, Prati F. Clinical impact of OCT-derived suboptimal stent implantation parameters and definitions. **Eur Heart J Cardiovasc Imaging**. 2023 Dec 21;25(1):48-57. doi: 10.1093/ehjci/jead172.

18. **Vergallo R**, Patrono C. Heart failure and socioeconomic status: global differences and inequalities. **Eur Heart J**. 2023 Aug 22;44(32):3038-3039. doi: 10.1093/eurheartj/ehad410.

19. Gerhardt T, Seppelt C, Abdelwahed YS, Meteva D, Wolfram C, Stapmanns P, Erbay A, Zanders L, Nelles G, Musfeld J, Sieronski L, Stähli BE, Montone RA, **Vergallo R**, Haghikia A, Skurk C, Knebel F, Dreger H, Trippel TD, Rai H, Joner M, Klotsche J, Libby P, Crea F, Kränkel N, Landmesser U, Leistner DM; OPTICO-ACS study group. Culprit plaque morphology determines inflammatory risk and clinical outcomes in acute coronary syndrome. **Eur Heart J**. 2023 Oct 12;44(38):3911-3925. doi: 10.1093/eurheartj/ehad334.

20. Pedicino D, **Vergallo R**. Long-lasting effects of transcatheter repair of secondary mitral regurgitation: the latest lesson from COAPT trial. **Eur Heart J**. 2023 Jul 21;44(28):2513-2514. doi: 10.1093/eurheartj/ehad349.

21. **Vergallo R**, Patrono C. Lower income, higher risk: disparities in treatments and outcomes of patients with acute myocardial infarction. **Eur Heart J**. 2023 Jul 7;44(26):2363-2365. doi: 10.1093/eurheartj/ehad348.

22. Ding D, Tu S, Li Y, Li C, Yu W, Liu X, Leone AM, Aurigemma C, Romagnoli E, **Vergallo R**, Trani C, Wijns W, Burzotta F. Quantitative flow ratio modulated by intracoronary optical coherence tomography for predicting physiological efficacy of percutaneous coronary intervention. **Catheter Cardiovasc Interv**. 2023 Jul;102(1):36-45. doi: 10.1002/ccd.30681.

- 23. Vergallo R**, Liuzzo G. Intravascular imaging to guide percutaneous coronary intervention of complex lesions: time to renovate guidelines? **Eur Heart J**. 2023 Jun 25;44(24):2157-2158. doi: 10.1093/eurheartj/ehad243.
- 24. Pedicino D, Vergallo R**. Transcatheter repair for severe tricuspid regurgitation: are we going in the right direction? **Eur Heart J**. 2023 Jun 20;44(23):2064-2065. doi: 10.1093/eurheartj/ehad219.
- 25. Borzillo I, De Filippo O, Manai R, Bruno F, Ravetti E, Galanti AA, Vergallo R, Porto I, De Ferrari GM, D'Ascenzo F**. Role of Intracoronary Imaging in Myocardial Infarction with Non-Obstructive Coronary Disease (MINOCA): A Review. **J Clin Med**. 2023 Mar 8;12(6):2129. doi: 10.3390/jcm12062129.
- 26. Vergallo R, Patrono C**. 'Atom Heart Mothers': the risk of ischaemic heart disease in women with adverse pregnancy outcomes. **Eur Heart J**. 2023 May 7;44(18):1592-1593. doi: 10.1093/eurheartj/ehad166.
- 27. Lombardi M, Chiabrando JG, Romagnoli E, D'Amario D, Leone AM, Aurigemma C, Montone RA, Ricchiuto A, Biondi-Zoccai G, Burzotta F, Jang IK, Escaned J, Trani C, Porto I, Crea F, Vergallo R**. Impact of acute and persistent stent malapposition after percutaneous coronary intervention on adverse cardiovascular outcomes. **Minerva Cardiol Angiol**. 2023 Oct;71(5):525-534. doi: 10.23736/S2724-5683.22.06185-3.
- 28. Yuki H, Kinoshita D, Suzuki K, Niida T, Nakajima A, Seegers LM, Vergallo R, Fracassi F, Russo M, Di Vito L, Bryniarski K, McNulty I, Lee H, Kakuta T, Nakamura S, Jang IK**. Layered plaque and plaque volume in patients with acute coronary syndromes. **J Thromb Thrombolysis**. 2023 Apr;55(3):432-438. doi: 10.1007/s11239-023-02788-9.
- 29. Aspirin for venous thromboprophylaxis after fracture: ready for prime time? Vergallo R, Patrono C**. **Eur Heart J**. 2023 Apr 17;44(15):1299-1300. doi: 10.1093/eurheartj/ehad098.
- 30. Vergallo R, Lombardi M, Besis G, Migliaro S, Ricchiuto A, Maino A, Buonpane A, Bianchini E, Annibali G, Galli M, D'Amario D, Montone RA, Leone AM, Aurigemma C, Romagnoli E, Buffon A, Hamilton-Craig C, Burzotta F, Porto I, Trani C, Crea F**. Pre-stenting residual thrombotic volume assessed by dual quantitative coronary angiography predicts microvascular obstruction in patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention. **Minerva Cardiol Angiol**. 2023 Aug;71(4):421-430. doi: 10.23736/S2724-5683.22.06156-7.
- 31. Vergallo R, Pedicino D**. Intravenous ferric derisomaltose for patients with heart failure: does iron heart translate into IRONMAN? **Eur Heart J**. 2023 Apr 7;44(14):1203-1204. doi: 10.1093/eurheartj/ehad076.
- 32. Laborante R, Bianchini E, Restivo A, Ciliberti G, Galli M, Vergallo R, Rodolico D, Zito A, Princi G, Leone AM, Aurigemma C, Romagnoli E, Montone RA, Burzotta F, Trani C, Crea F, D'Amario D**. Adenosine as adjunctive therapy in acute coronary syndrome: a meta-analysis of randomized controlled trials. **Eur Heart J Cardiovasc Pharmacother**. 2023 Feb 2;9(2):173-182. doi: 10.1093/ehjcvp/pvac069.
- 33. Vergallo R, Volpe M**. A gender issue in the diagnostic imaging work-up of stable coronary artery disease? Insights from DISCHARGE. **Eur Heart J**. 2023 Feb 1;44(5):340-341. doi: 10.1093/eurheartj/ehac720.
- 34. Vergallo R, Patrono C**. A BRIGHT outlook for bivalirudin in patients with ST-segment elevation myocardial infarction. **Eur Heart J**. 2023 Feb 14;44(7):549-550. doi: 10.1093/eurheartj/ehac732.
- 35. Ciliberti G, Laborante R, Di Francesco M, Restivo A, Rizzo G, Galli M, Canonico F, Zito A, Princi G, Vergallo R, Leone AM, Burzotta F, Trani C, Palmieri V, Zeppilli P, Crea F, D'Amario D**. Comprehensive functional and anatomic assessment of myocardial bridging: Unlocking the Gordian Knot. **Front Cardiovasc Med**. 2022 Nov 8;9:970422. doi: 10.3389/fcvm.2022.970422.
- 36. Laborante R, Borovac JA, Galli M, Rodolico D, Ciliberti G, Restivo A, Cappannoli L, Arcudi A, Vergallo R, Zito A, Princi G, Leone AM, Aurigemma C, Romagnoli E, Montone RA, Burzotta F,**

Trani C, D'Amario D. Gender-differences in antithrombotic therapy across the spectrum of ischemic heart disease: Time to tackle the Yentl syndrome? **Front Cardiovasc Med.** 2022 Oct 31;9:1009475. doi: 10.3389/fcvm.2022.1009475

37. D'Amario D, Ciliberti G, Restivo A, Laborante R, Migliaro S, Canonico F, Sangiorgi GM, Tebaldi M, Porto I, Andreini D, **Vergallo R**, Leone AM, Gervasi S, Cammarano M, Palmieri V, Burzotta F, Trani C, Zeppilli P, Crea F; RIALTO Registry Investigators. Myocardial bridge evaluation towards personalized medicine: study design and preliminary results of the RIALTO registry. **Eur Heart J Suppl.** 2022 Nov 11;24(Suppl H):H48-H56. doi: 10.1093/eurheartjsupp/suac059.

38. Cappannoli L, Galli M, Zito A, Restivo A, Princi G, Laborante R, **Vergallo R**, Romagnoli E, Leone AM, Aurigemma C, Massetti M, Sanna T, Trani C, Burzotta F, Savarese G, Crea F, D'Amario D. Venoarterial extracorporeal membrane oxygenation (VA-ECMO) with vs. without left ventricular unloading by Impella: a systematic review and meta-analysis. **Eur Heart J Qual Care Clin Outcomes.** 2023 Jun 21;9(4):358-366. doi: 10.1093/ehjqcco/qcac076.

39. Montone RA, Niccoli G, Russo M, Giaccari M, Del Buono MG, Meucci MC, Gurgoglione F, **Vergallo R**, D'Amario D, Buffon A, Leone AM, Burzotta F, Aurigemma C, Trani C, Liuzzo G, Lanza GA, Crea F. Correction: Clinical, angiographic and echocardiographic correlates of epicardial and microvascular spasm in patients with myocardial ischaemia and non-obstructive coronary arteries. **Clin Res Cardiol.** 2023 Apr;112(4):570. doi: 10.1007/s00392-022-02110-2.

40. Chiabrando JG, Vescovo GM, Lombardi M, Seropian IM, Del Buono MG, Vergallo R, Burzotta F, Escaned J, Berrocal DH. Iatrogenic coronary dissection: state of the art management. **Panminerva Med.** 2023 Dec;65(4):511-520. doi: 10.23736/S0031-0808.22.04781-4.

41. **Vergallo R**, Volpe M. Fractional flow reserve or intravascular ultrasound for guiding percutaneous coronary intervention of intermediate coronary stenoses? Sometimes apples and oranges have the same FLAVOUR. **Eur Heart J.** 2022 Dec 21;43(48):4978-4979. doi: 10.1093/eurheartj/ehac595.

42. **Vergallo R**, Liuzzo G. The REVIVED-BCIS2 trial: percutaneous coronary intervention vs. optimal medical therapy for stable patients with severe ischaemic cardiomyopathy. **Eur Heart J.** 2022 Dec 7;43(46):4775-4776. doi: 10.1093/eurheartj/ehac568.

43. **Vergallo R**, Patrono C. Antiplatelet therapy to prevent graft failure after coronary artery bypass graft: aspirin monotherapy for most, DAPT for selected few. **Eur Heart J.** 2022 Nov 7;43(42):4456-4457. doi: 10.1093/eurheartj/ehac503.

44. **Vergallo R**, Pedicino D. Which mechanical circulatory support device in acute myocardial infarction complicated by cardiogenic shock? **Eur Heart J.** 2022 Oct 14;43(39):3822-3823. doi: 10.1093/eurheartj/ehac475.

45. Leone AM, Migliaro S, Zimbardo G, Cialdella P, Basile E, Galante D, Di Giusto F, Anastasia G, Vicere A, Petrolati E, Di Stefano A, Campaniello G, D'Amario D, **Vergallo R**, Montone RA, Buffon A, Romagnoli E, Aurigemma C, Burzotta F, Trani C, Crea F. Safety and effectiveness of post percutaneous coronary intervention physiological assessment: Retrospective data from the post-revascularization optimization and physiological evaluation of intermediate lesions using fractional flow reserve registry. **Front Cardiovasc Med.** 2022 Aug 18;9:983003. doi: 10.3389/fcvm.2022.983003.

46. Camilli M, Russo M, Rinaldi R, Caffè A, La Vecchia G, Bonanni A, Iannaccone G, Basile M, **Vergallo R**, Aurigemma C, Trani C, Niccoli G, Crea F, Montone RA. Air Pollution and Coronary Vasomotor Disorders in Patients With Myocardial Ischemia and Unobstructed Coronary Arteries. **J Am Coll Cardiol.** 2022 Nov 8;80(19):1818-1828. doi: 10.1016/j.jacc.2022.08.744.

47. **Vergallo R**, Liuzzo G. Coronary artery calcium scoring for cardiovascular risk stratification: more pitfalls than advantages? **Eur Heart J.** 2022 Oct 7;43(37):3510-3511. doi: 10.1093/eurheartj/ehac443.

48. **Vergallo R**, Volpe M. Deciphering a decision support tool (CoDE-HF) to improve the diagnosis of acute heart failure. **Eur Heart J.** 2022 Sep 1;43(33):3098-3099. doi: 10.1093/eurheartj/ehac372.

49. **Vergallo R**, Liuzzo G. Less weight, less cancer? The potential positive effects of bariatric surgery beyond cardiovascular risk reduction. *Eur Heart J*. 2022 Sep 21;43(36):3385-3386. doi: 10.1093/eurheartj/ehac388.
50. **Vergallo R**, Volpe M. The UK TAVI trial: an independent, pragmatic study extending the evidence for the treatment of symptomatic severe aortic stenosis. *Eur Heart J*. 2022 Aug 14;43(31):2919-2920. doi: 10.1093/eurheartj/ehac345.
51. **Vergallo R**, Liuzzo G. The role of the neuroimmune axis as a new frontier in atherosclerosis. *Eur Heart J*. 2022 Aug 7;43(30):2829-2830. doi: 10.1093/eurheartj/ehac315.
52. Aurigemma C, Burzotta F, **Vergallo R**, Farina P, Romagnoli E, Cangemi S, Bianchini F, Nesta M, Bruno P, D'Amario D, Leone AM, Trani C. Transcatheter Aortic Valve Implantation to Treat Degenerated Surgical Bioprosthesis: Focus on the Specific Procedural Challenges. *Front Cardiovasc Med*. 2022 May 31;9:895477. doi: 10.3389/fcvm.2022.895477.
53. **Vergallo R**, Volpe M. Long lasting effects of renal denervation: lights and shadows of the SPYRAL HTN-ON MED 3-year follow-up. *Eur Heart J*. 2022 Jul 21;43(28):2655-2656. doi: 10.1093/eurheartj/ehac301.
54. **Vergallo R**, Burzotta F, Aurigemma C, Romagnoli E, D'Amario D, Trani C, Crea F. *EuroIntervention*. 2022 Aug 5;18(5):e405-e406. doi: 10.4244/EIJ-D-22-00007.
55. **Vergallo R**, Patrono C. The PACMAN-AMI trial: game over for the "vulnerable plaque"? *Eur Heart J* 2022 Apr 25:ehac222. doi: 10.1093/eurheartj/ehac222.
1.
56. Araki M, Park SJ, Dauerman HL, Uemura S, Kim JS, Di Mario C, Johnson TW, Guagliumi G, Kastrati A, Joner M, Holm NR, Alfonso F, Wijns W, Adriaenssens T, Nef H, Rioufol G, Amabile N, Souteyrand G, Meneveau N, Gerbaud E, Opolski MP, Gonzalo N, Tearney GJ, Bouma B, Aguirre AD, Mintz GS, Stone GW, Bourantas CV, Räber L, Gili S, Mizuno K, Kimura S, Shinke T, Hong MK, Jang Y, Cho JM, Yan BP, Porto I, Niccoli G, Montone RA, Thondapu V, Papafaklis MI, Michalis LK, Reynolds H, Saw J, Libby P, Weisz G, Iannaccone M, Gori T, Toutouzas K, Yonetsu T, Minami Y, Takano M, Raffel OC, Kurihara O, Soeda T, Sugiyama T, Kim HO, Lee T, Higuma T, Nakajima A, Yamamoto E, Bryniarski KL, Di Vito L, **Vergallo R**, Fracassi F, Russo M, Seegers LM, McNulty I, Park S, Feldman M, Escaned J, Prati F, Arbustini E, Pinto FJ, Waksman R, Garcia-Garcia HM, Maehara A, Ali Z, Finn AV, Virmani R, Kini AS, Daemen J, Kume T, Hibi K, Tanaka A, Akasaka T, Kubo T, Yasuda S, Croce K, Granada JF, Lerman A, Prasad A, Regar E, Saito Y, Sankardas MA, Subban V, Weissman NJ, Chen Y, Yu B, Nicholls SJ, Barlis P, West NEJ, Arbab-Zadeh A, Ye JC, Dijkstra J, Lee H, Narula J, Crea F, Nakamura S, Kakuta T, Fujimoto J, Fuster V, Jang IK. Optical coherence tomography in coronary atherosclerosis assessment and intervention. *Nat Rev Cardiol* 2022 Apr 21. doi: 10.1038/s41569-022-00687-9.
57. **Vergallo R**, Volpe M. The DISCHARGE trial: imaging a new strategy for the clinical management of stable chest pain? *Eur Heart J* 2022 Apr 13:ehac193. doi: 10.1093/eurheartj/ehac193.
58. Camilli M, Lombardi M, Chiabrando JG, Zito A, Del Buono MG, **Vergallo R**, Aspromonte N, Lombardo A, Montone RA, Niccoli G, Biondi-Zoccai G, Crea F, Minotti G. Sodium-Glucose Cotransporter Inhibitors Reduce Mortality and Morbidity in Patients With Heart Failure: Evidence From a Meta-Analysis of Randomized Trials. *Am J Ther* 2021 Nov 24;29(2):e199-e204. doi: 10.1097/MJT.0000000000001452.
59. D'Amario D, Galli M, Cappannoli L, Canonico F, Restivo A, Arcudi A, Scacciavillani R, Riccioni ME, **Vergallo R**, Montone RA, Conte A, Meleo E, Lancellotti S, Sacco M, Antonelli M, Andreotti F, DE Cristofaro R, Crea F. Oral anticoagulants in fragile patients with percutaneous endoscopic gastrostomy and atrial fibrillation: the ORIGAMI pilot investigation. *Minerva Cardiol Angiol*. 2022 Feb 15. doi: 10.23736/S2724-5683.21.05903-2.
60. Vinci R, Pedicino D, Bonanni A, d'Aiello A, Pisano E, Ponzio M, Severino A, Ciampi P, Canonico F, Russo G, Di Sario M, **Vergallo R**, Filomia S, Montone RA, Flego D, Stefanini L, Piacentini R, Conte C, Cribari F, Massetti M, Crea F, Liuzzo G. Monocyte-Platelet Aggregates Triggered by CD31 Molecule in Non-ST Elevation Myocardial Infarction: Clinical Implications in Plaque Rupture. *Front Cardiovasc Med*. 2022 Jan 25;8:741221.

61. Zito A, Princi G, Lombardi M, D'Amario D, **Vergallo R**, Aurigemma C, Romagnoli E, Pelargonio G, Bruno P, Trani C, Burzotta F, Crea F. Long-term clinical impact of permanent pacemaker implantation in patients undergoing transcatheter aortic valve implantation: a systematic review and meta-analysis. *Europace*. 2022 Feb 9;euac008. doi: 10.1093/europace/euac008.
62. Lombardi M, Del Buono MG, Princi G, Locorotondo G, Lombardo A, **Vergallo R**, Montone RA, Burzotta F, Trani C, Crea F, Sanna T. Platypnoea-Orthodeoxia Syndrome as an Uncommon Cause of Dyspnoea: a Literature Review. *Intern Med J*. 2021 Dec 22. doi: 10.1111/imj.15669.
63. Gatto L, Alfonso F, Paoletti G, Burzotta F, La Manna A, Budassi S, Biccirè FG, Fineschi M, Marco V, Fabbiochi F, **Vergallo R**, Boi A, Ruscica G, Versaci F, Taglieri N, Calligaris G, Albertucci M, Romagnoli E, Ramazzotti V, Tamburino C, Crea F, Ozaki Y, Arbustini E, Prati F. Relationship between the amount and location of macrophages and clinical outcome: subanalysis of the CLIMA-study. *Int J Cardiol*. 2022;346:8-12. doi: 10.1016/j.ijcard.2021.11.042.
64. Mariani L, Burzotta F, Aurigemma C, Scalone G, Fracassi F, Niccoli G, **Vergallo R**, Romano A, Aimi A, Di Vito L, Silenzi S, Grossi P, Trani C, Crea F. Coronary Plaque Rupture in Stable Coronary Artery Disease and Non-ST Segment Elevation Myocardial Infarction: An Optical Coherence Tomography Study. *J Invasive Cardiol*. 2021 Nov;33(11):E843-E850.
65. Montone RA, Gurgoglione FL, Del Buono MG, Rinaldi R, Meucci MC, Iannaccone G, La Vecchia G, Camilli M, D'Amario D, Leone AM, **Vergallo R**, Aurigemma C, Buffon A, Romagnoli E, Burzotta F, Trani C, Crea F, Niccoli G. Interplay Between Myocardial Bridging and Coronary Spasm in Patients With Myocardial Ischemia and Non-Obstructive Coronary Arteries: Pathogenic and Prognostic Implications. *J Am Heart Assoc*. 2021 Jul 20;10(14):e020535. doi: 10.1161/JAHA.120.020535.
66. Maino A, Di Stasio E, Grimaldi MC, Cappannoli L, Rocco E, **Vergallo R**, Biscetti F, Baroni S, Urbani A, Landolfi R, Biasucci LM. Prevalence and characteristics of myocardial injury during COVID-19 pandemic: A new role for high-sensitive troponin. *Int J Cardiol*. 2021 Sep 1;338:278-285. doi: 10.1016/j.ijcard.2021.06.028.
67. Galli M, Vescovo GM, Andreotti F, D'Amario D, Leone AM, Benenati S, **Vergallo R**, Niccoli G, Trani C, Porto I. Impact of coronary stenting on top of medical therapy and of inclusion of periprocedural infarctions on hard composite endpoints in patients with chronic coronary syndromes: a meta-analysis of randomized controlled trials. *Minerva Cardiol Angiol*. 2021 May 4. doi: 10.23736/S2724-5683.21.05645-3.
68. Lombardi M, Carbone S, Del Buono MG, Chiabrando JG, Vescovo GM, Camilli M, Montone RA, **Vergallo R**, Abbate A, Biondi-Zoccai G, Dixon DL, Crea F. Omega-3 fatty acids supplementation and risk of atrial fibrillation: an updated meta-analysis of randomized controlled trials. *Eur Heart J Cardiovasc Pharmacother*. 2021 Jul 23;7(4):e69-e70. doi: 10.1093/ehjcvp/pvab008.
69. Galli M, Migliaro S, Rodolico D, DI Stefano G, Piccinni C, Restivo A, Andreotti F, **Vergallo R**, Montone RA, Besis G, Buffon A, Romagnoli E, Aurigemma C, Leone AM, Burzotta F, Niccoli G, Trani C, Crea F, D'Amario D. Intracoronary bolus of glycoprotein IIb/IIIa inhibitor as bridging or adjunctive strategy to oral P2Y12 inhibitor load in the modern setting of STEMI. *Minerva Cardiol Angiol*. 2021 Apr 7. doi: 10.23736/S2724-5683.21.05669-6.
70. McElroy M, Kim Y, Niccoli G, **Vergallo R**, Langford-Smith A, Crea F, Gijzen F, Johnson T, Keshmiri A, White SJ. Identification of the haemodynamic environment permissive for plaque erosion. *Sci Rep*. 2021 Mar 31;11(1):7253. doi: 10.1038/s41598-021-86501-x.
71. D'Amario D, Cappetta D, Cappannoli L, Princi G, Migliaro S, Diana G, Chouchane K, Borovac JA, Restivo A, Arcudi A, De Angelis A, **Vergallo R**, Montone RA, Galli M, Liuzzo G, Crea F. Colchicine in ischemic heart disease: the good, the bad and the ugly. *Clin Res Cardiol*. 2021 Oct;110(10):1531-1542. doi: 10.1007/s00392-021-01828-9.
72. Burzotta F, Aurigemma C, Paraggio L, Romagnoli E, Leone AM, **Vergallo R**, Cangemi S, Bianchini F, Trani C. Under-deployment of extra-large drug-eluting stent: an adapted provisional technique for selected patients with distal lesions in large left main. *Minerva Cardiol Angiol*. 2021 Mar 11. doi: 10.23736/S2724-5683.21.05545-6.
73. Benenati S, Toma M, Canale C, **Vergallo R**, Bona RD, Ricci D, Canepa M, Crimi G, Santini F, Ameri P, Porto I. Mechanical circulatory support in patients with cardiogenic shock not secondary to cardiomyopathy: a network meta-analysis. *Heart Fail Rev*. 2021 Mar 6. doi: 10.1007/s10741-021-

10092-y.

74. Lombardi M, **Vergallo R**, Liuzzo G, Crea F. A case report of coronary artery spasm and takotsubo syndrome: exploring the hidden side of the moon. *Eur Heart J Case Rep*. 2020 Dec 11;5(1):ytaa477. doi: 10.1093/ehjcr/ytaa477.

75. **Vergallo R**, Crea F. Atherosclerotic Plaque Healing. Reply. *N Engl J Med* 2021;384:294. doi: 10.1056/NEJMc2033613.

76. Camilli M, Lombardi M, Del Buono MG, Chiabrando JG, **Vergallo R**, Niccoli G, Montone RA, Crea F. Direct Oral Anticoagulants versus Vitamin K Antagonists for the treatment of Left Ventricular Thrombosis: a systematic review of the literature and meta-analysis. *Eur Heart J Cardiovasc Pharmacother*. 2020 Nov 27;pvaa134. doi: 10.1093/ehjcvp/pvaa134.

77. De Marzo V, Parisi R, Caruso M, D'Amario D, Annibali G, Manganiello V, **Vergallo R**, Donahue M, Cialdella P, Ielasi A, Misuraca L, Altamura L, Cortese B, Larosa C, Canepa M, Porto I. Hard Events After Orsiro Sirolimus-Eluting Stent (HEROES) in STEMI: A Multicenter Registry. *J Invasive Cardiol* 2020 Dec;32(12):E331-E337. Epub 2020 Nov 22.

78. Leone AM, Ariotti M, Cialdella P, **Vergallo R**, Zimbaro G, Migliaro S, Anastasia G, Di Giusto F, Galante D, Basile E, Pepe FL, Ierardi C, D'Amario D, Burzotta F, Aurigemma C, Niccoli G, Trani C, Crea F. Prognostic impact of FFR/contrast FFR discordance. *Int J Cardiol* 2020 Nov 10:S0167-5273(20)34085-7. doi: 10.1016/j.ijcard.2020.11.011.

79. D'Amario D, Galli M, Canonico F, Restivo A, Arcudi A, Scacciavillani R, Cappannoli L, Riccioni ME, Annetta MG, Di Stefano G, Piccinni C, **Vergallo R**, Montone RA, Leone AM, Niccoli G, Sabatelli M, Antonelli M, Andreotti F, De Cristofaro R, Crea F. ORal anticoagulants In fraGile patients with percutaneous endoscopic gastrostomy and atrial fibrillation: the (ORIGAMI) study. *J Cardiovasc Med* 2020 Nov 12. doi:10.2459/JCM.0000000000001142.

80. **Vergallo R**, Crea F. Atherosclerotic Plaque Disruption and Healing. *Eur Heart J* 2020 Nov 11;ehaa831. doi: 10.1093/eurheartj/ehaa831.

81. Benenati S, Crimi G, Canale C, Pescetelli F, De Marzo V, **Vergallo R**, Galli M, Della Bona R, Canepa M, Ameri P, Crea F, Porto I. Duration of dual antiplatelet therapy and subsequent monotherapy type in patients undergoing drug eluting stent implantation: a network Meta-analysis. *Eur Heart J Cardiovasc Pharmacother* 2020 Nov 2;pvaa127. doi: 10.1093/ehjcvp/pvaa127.

82. **Vergallo R**, Jang IK, Crea F. New prediction tools and treatment for ACS patients with plaque erosion. *Atherosclerosis* 2020 Oct 14:S0021-9150(20)30583-9. doi: 10.1016/j.atherosclerosis.2020.10.016.

83. **Vergallo R**, Crea F. Atherosclerotic Plaque Healing. *N Engl J Med* 2020 Aug 27;383(9):846-857. doi: 10.1056/NEJMr2000317.

84. Russo M, Fracassi F, Kurihara O, Kim HO, Thondapu V, Araki M, Shinohara H, Sugiyama T, Yamamoto E, Lee H, **Vergallo R**, Crea F, Biasucci LM, Yonetsu T, Minami Y, Soeda T, Fuster V, Jang IK. Response by Russo et al Regarding Article, "Healed Plaques in Patients With Stable Angina Pectoris". *Arterioscler Thromb Vasc Biol* 2020 Sep;40:e258-e259. doi: 10.1161/ATVBAHA.120.314971.

85. Gatto L, Paoletti G, Marco V, La Manna A, Fabbicocchi F, Cortese B, **Vergallo R**, Boi A, Fineschi M, Di Giorgio A, Taglieri N, Calligaris G, Budassi S, Burzotta F, Isidori F, Lella E, Ruscica G, Albertucci M, Tamburino C, Ozaki Y, Alfonso F, Arbustini E, Prati F. Prevalence and quantitative assessment of macrophages in coronary plaques. *Int J Cardiovasc Imaging* 2020 Aug 10. doi: 10.1007/s10554-020-01957-8.

86. Porto I, Mattesini A, D'Amario D, Sorini Dini C, Della Bona R, Scicchitano M, **Vergallo R**, Martellini A, Caporusso S, Trani C, Burzotta F, Bruno P, Di Mario C, Crea F, Valente S, Massetti M. Blood lactate predicts survival after percutaneous implantation of extracorporeal life support for refractory cardiac arrest or cardiogenic shock complicating acute coronary syndrome: insights from the CareGem registry. *Intern Emerg Med* 2020 Aug 9. doi: 10.1007/s11739-020-02459-0.

87. D'Amario D, Canonico F, Rodolico D, Borovac JA, **Vergallo R**, Montone RA, Galli M, Migliaro S, Restivo A, Massetti M, Crea F. Telemedicine, Artificial Intelligence and Humanisation of Clinical Pathways in Heart Failure Management: Back to the Future and Beyond. *Card Fail Rev* 2020 Jun 15;6:e16. doi: 10.15420/cfr.2019.17.

88. Galli M, Andreotti F, D'Amario D, **Vergallo R**, Montone RA, Niccoli G, Crea F. Randomised trials and meta-analyses of double vs triple antithrombotic therapy for atrial fibrillation-ACS/PCI: A

critical appraisal. *Int J Cardiol Heart Vasc* 2020;28:100524. doi: 10.1016/j.ijcha.2020.100524.

89. D'Amario D, Restivo A, Canonico F, Rodolico D, Galli M, Burzotta F, **Vergallo R**, Trani C, Aspromonte N, Crea F. Experience of Remote Cardiac Care during Covid-19 Pandemic: the V-LAP™ device in advanced heart failure. *Eur J Heart Fail* 2020;22(6):1050-1052.

90. Leone AM, D'Amario D, Cannata F, Graziani F, Borovac JA, Leone G, De Stefano V, Basile E, Siracusano A, Galiuto L, Locorotondo G, Porto I, **Vergallo R**, Canonico F, Restivo A, Rebuzzi AG, Crea F. The Effects of Granulocyte Colony-Stimulating Factor in Patients with a Large Anterior Wall Acute Myocardial Infarction to Prevent Left Ventricular Remodeling: A 10-Year Follow-Up of the RIGENERA Study. *J Clin Med* 2020;9(4):1214. doi: 10.3390/jcm9041214.

91. Prati F, Gatto L, Fabbicchi F, **Vergallo R**, Paoletti G, Ruscica G, Marco V, Romagnoli E, Boi A, Fineschi M, Calligaris G, Tamburino C, Crea F, Ozaki Y, Alfonso F, Arbustini E. Clinical outcome of CALCIFIED NODULEs assessed by OCT: A SUBANALYSIS OF The CLIMA study. *EuroIntervention* 2020;16(5):380-386.

92. Russo M, Fracassi F, Kurihara O, Kim HO, Thondapu V, Araki M, Shinohara H, Sugiyama T, Yamamoto E, Lee H, **Vergallo R**, Crea F, Biasucci LM, Yonetsu T, Minami Y, Soeda T, Fuster V, Jang IK. Healed Plaques in Patients With Stable Angina Pectoris. *Arterioscler Thromb Vasc Biol* 2020;40:1587-1597.

93. **Vergallo R**, De Maria GL, Annibali G, D'Amario D, Galli M, Porto I. [Use of intravascular ultrasound for the assessment and treatment of left main disease]. *G Ital Cardiol* 2020;21(4 Suppl 2):22S-28S.

94. D'Amario D, Restivo A, Leone AM, **Vergallo R**, Migliaro S, Canonico F, Galli M, Trani C, Burzotta F, Aurigemma C, Niccoli G, Buffon A, Montone RA, Flex A, Franceschi F, Tinelli G, Limbruno U, Francese F, Ceccarelli I, Borovac JA, Porto I, Crea F. Ticagrelor and preconditioning in patients with stable coronary artery disease (TAPER-S): a randomized pilot clinical trial. *Trials* 2020;21:192. doi: 10.1186/s13063-020-4116-7.

95. **Vergallo R**, Burzotta F, Leone AM, Trani C, Crea F. Reply: Value of Optical Coherence Tomography in Angiographically Intermediate Coronary Lesions. *JACC Cardiovasc Interv* 2020;13:269-270.

96. Ducci K, Liistro F, Porto I, Ventruzzo G, Angioli P, Falsini G, **Vergallo R**, Bolognese L. Ticagrelor versus clopidogrel in patients undergoing implantation of paclitaxel-eluting stent in the femoropopliteal district: A randomized pilot study using frequency-domain optical coherence tomography. *Int J Cardiol* 2020;304:192-197.

97. Burzotta F, Leone AM, Aurigemma C, Zambrano A, Zimbaro G, Ariotti M, **Vergallo R**, De Maria GL, Cerracchio E, Romagnoli E, Trani C, Crea F. Fractional Flow Reserve or Optical Coherence Tomography to Guide Management of Angiographically-Intermediate Coronary Stenosis: A Single-Center Trial. *JACC Cardiovasc Interv* 2020;13:49-58.

98. Kim HO, Kim CJ, Kim W, Cho JM, Soeda T, Takano M, Yan BP, Crea F, Niccoli G, **Vergallo R**, Minami Y, Higuma T, Kimura S, Boeder NF, Nef H, Adriaenssens T, Kurihara O, Thondapu V, Russo M, Yamamoto E, Sugiyama T, Lee H, Kakuta T, Yonetsu T, Jang IK. Relative risk of plaque erosion among different age and sex groups in patients with acute coronary syndrome. *J Thromb Thrombolysis* 2020 Apr;49(3):352-359.

99. Prati F, Romagnoli E, Gatto L, La Manna A, Burzotta F, Ozaki Y, Marco V, Boi A, Fineschi M, Fabbicchi F, Taglieri N, Niccoli G, Trani C, Versaci F, Calligaris G, Ruscica G, Di Giorgio A, **Vergallo R**, Albertucci M, Biondi-Zoccai G, Tamburino C, Crea F, Alfonso F, Arbustini E; CLIMA Investigators. Relationship between coronary plaque morphology of the left anterior descending artery and 12 months clinical outcome: the CLIMA study. *Eur Heart J* 2020 Jan 14;41(3):383-391.

100. Galli M, Andreotti F, D'Amario D, **Vergallo R**, Montone RA, Porto I, Crea F. Aspirin in Primary Prevention of Cardiovascular Disease in the Elderly. *Eur Heart J Cardiovasc Pharmacother* 2020;6(5):326-327.

101. Galli M, Andreotti F, D'Amario D, **Vergallo R**, Vescovo GM, Giraldi L, Migliaro S, Ameri P, Porto I, Crea F. Antithrombotic therapy in the early phase of NSTEMI-ACS: a systematic review and meta-analysis. *Eur Heart J Cardiovasc Pharmacother* 2020 Jan 1;6(1):43-56.

102. Galli M, Andreotti F, D'Amario D, **Vergallo R**, Montone RA, Porto I, Crea F. Dual Therapy with DOACs significantly increases the risk of Stent Thrombosis compared to Triple Therapy. *Eur Heart J Cardiovasc Pharmacother* 2020;6(2):128-129.

103. Montone RA, Niccoli G, Russo M, Giaccari M, Del Buono MG, Meucci MC, Gurguglione F,

Vergallo R, D'Amario D, Buffon A, Leone AM, Burzotta F, Aurigemma C, Trani C, Liuzzo G, Lanza GA, Crea F. Clinical, angiographic and echocardiographic correlates of epicardial and microvascular spasm in patients with myocardial ischaemia and non-obstructive coronary arteries. *Clin Res Cardiol* 2020;109(4):435-443.

104. D'Amario D, Migliaro S, Borovac JA, **Vergallo R**, Galli M, Restivo A, Bonini M, Romagnoli E, Leone AM, Crea F. Electronic Cigarettes and Cardiovascular Risk: Caution Waiting for Evidence. *Eur Cardiol* 2019 Dec 18;14:151-158.

105. Russo M, Kim HO, Kurihara O, Araki M, Shinohara H, Thondapu V, Yonetsu T, Soeda T, Minami Y, Higuma T, Lee H, Fracassi F, **Vergallo R**, Niccoli G, Crea F, Fuster V, Jang IK. Characteristics of non-culprit plaques in acute coronary syndrome patients with layered culprit plaque. *Eur Heart J Cardiovasc Imaging* 2019 Dec 17. pii: jez308. doi: 10.1093/ehjci/jez308.

106. D'Amario D, Migliaro S, Borovac JA, Restivo A, **Vergallo R**, Galli M, Leone AM, Montone RA, Niccoli G, Aspromonte N, Crea F. Microvascular Dysfunction in Heart Failure With Preserved Ejection Fraction. *Front Physiol* 2019 Nov 5;10:1347.

107. Leone AM, Burzotta F, Aurigemma C, De Maria GL, Zambrano A, Zimbaro G, Ariotti M, Cerracchio E, **Vergallo R**, Trani C, Crea F. Prospective Randomized Comparison of Fractional Flow Reserve Versus Optical Coherence Tomography to Guide Revascularization of Intermediate Coronary Stenoses: One-Month Results. *J Am Heart Assoc* 2019 Aug 6;8(15):e012772. doi: 10.1161/JAHA.119.012772. Epub 2019 Jul 23.

108. **Vergallo R**, Porto I, Crea F. Are Atherogenic Lipoprotein Phenotype and Inflammation Indicative of Plaque Phenotype and Clinical Stability in Coronary Artery Disease?-Reply. *JAMA Cardiol* 2019 Jul 17. doi: 10.1001/jamacardio.2019.2231.

109. Galli M, D'Amario D, Andreotti F, Porto I, **Vergallo R**, Sabatelli M, Lancellotti S, Meleo E, De Cristofaro R, Crea F. Sustained safe and effective anticoagulation using Edoxaban via percutaneous endoscopic gastrostomy. *ESC Heart Fail* 2019;6:884-888.

110. Crea F, **Vergallo R**. Plaque erosion: Towards precision medicine in acute coronary syndromes. *Int J Cardiol* 2019 Aug 1;288:22-24.

111. **Vergallo R**, Porto I, De Maria GL, D'Amario D, Annibali G, Galli M, Migliaro S, Buccimazza G, Aurigemma C, Leone AM, Niccoli G, Kharbanda R, Burzotta F, Prendergast BD, Channon KM, Trani C, Banning AP, Crea F. Dual quantitative coronary angiography accurately quantifies intracoronary thrombotic burden in patients with acute coronary syndrome: Comparison with optical coherence tomography imaging. *Int J Cardiol* 2019 Oct 1;292:25-31.

112. D'Amario D, De Vita A, **Vergallo R**, Porto I, Galli M, Crea F. Recurrent chest pain: 'what is essential is invisible to the eye?' *Eur Heart J Suppl* 2019 Apr;21(Suppl C):C11-C14.

113. **Vergallo R**, D'Amario D, Annibali G, Galli M, Crea F, Porto I. A case of 'resistant' thrombus: all you can hit in very late stent thrombosis. *J Cardiovasc Med* 2019;20:397-399.

114. **Vergallo R**, Porto I, D'Amario D, Annibali G, Galli M, Benenati S, Bendandi F, Migliaro S, Fracassi F, Aurigemma C, Leone AM, Buffon A, Burzotta F, Trani C, Niccoli G, Liuzzo G, Prati F, Fuster V, Jang IK, Crea F. Coronary atherosclerotic phenotype and plaque healing in patients with recurrent acute coronary syndromes compared with patients with long-term clinical stability: in vivo optical coherence tomography study. *JAMA Cardiol* 2019 Apr 1;4(4):321-329.

115. Fracassi F, Crea F, Sugiyama T, Yamamoto E, Uemura S, **Vergallo R**, Porto I, Lee H, Fujimoto JG, Fuster V, Jang IK. Prevalence, characteristics, and clinical significance of healed culprit plaques in acute coronary syndromes. *J Am Coll Cardiol* 2019;73:2253-2263.

116. Fracassi F, Niccoli G, Vetrugno V, Russo M, Rettura F, Vergni F, Scalone G, Montone RA, **Vergallo R**, D'Amario D, Liuzzo G, Crea F. Optical coherence tomography and C-reactive protein in risk stratification of acute coronary syndromes. *Int J Cardiol* 2019 Jan 18; doi:10.1016/j.ijcard.2019.01.058.

117. Calabrò P, Niccoli G, Gragnano F, Grove EL, **Vergallo R**, Mikhailidis DP, Patti G, Spaccarotella C, Katsiki N, Masiero G, Ueshima D, Pinar E, Chieffo A, Ussia GP, Eitel I, Tarantini G; Working Group of Interventional Cardiology of the Italian Society of Cardiology. Are we ready for a gender-specific approach in interventional cardiology? *Int J Cardiol* 2018 Nov 9. pii: S0167-5273(18)35119-2. doi: 10.1016/j.ijcard.2018.11.022.

118. **Vergallo R**, Papafaklis MI, D'Amario D, Michalis LK, Crea F, Porto I. Coronary plaque erosion developing in an area of high endothelial shear stress: insights from serial optical coherence tomography imaging. *Coron Artery Dis* 2019;30:74-75.

119. Galli M, Porto I, Andreotti F, D'Amario D, **Vergallo R**, Della Bona R, Crea F. Early

anticoagulation in the current management of NSTEMI-ACS: Evidence, guidelines, practice and perspectives. *Int J Cardiol* 2019;275:39-45.

120. Galli M, Andreotti F, Savarese G, D'Amario D, **Vergallo R**, Della Bona R, Calò L, Porto I, Crea F. Dropping aspirin in patients with atrial fibrillation undergoing percutaneous coronary intervention: a jump with a weak parachute? *Eur Heart J Cardiovasc Pharmacother* 2019;5:55-56.

121. Borovac JA, D'Amario D, **Vergallo R**, Porto I, Bisignani A, Galli M, Annibali G, Montone RA, Leone AM, Niccoli G, Crea F. Neoatherosclerosis after drug-eluting stent implantation: a novel clinical and therapeutic challenge. *Eur Heart J Cardiovasc Pharmacother* 2018 Oct 4; doi: 10.1093/ehjcvp/pvy036.

122. Pedicino D, Vinci R, Giglio AF, Pisano E, Porto I, **Vergallo R**, Russo G, Ruggio A, D'Aiello A, Flego D, Annibali G, Trotta F, Piacentini R, Niccoli G, Liuzzo G, Crea F. Alterations of Hyaluronan Metabolism in Acute Coronary Syndrome: Implications for Plaque Erosion. *J Am Coll Cardiol* 2018;72:1490-1503.

123. Ruggio A, Pedicino D, Flego D, **Vergallo R**, Severino A, Lucci C, Niccoli G, Trani C, Burzotta F, Aurigemma C, Leone AM, Buffon A, D'Aiello A, Biasucci LM, Crea F, Liuzzo G. Correlation between CD4+CD28null T lymphocytes, regulatory T cells and plaque rupture: An Optical Coherence Tomography study in Acute Coronary Syndromes. *Int J Cardiol* 2019;276:289-292.

124. D'Amario D, Galli M, **Vergallo R**, Crea F, Porto I. How deep is your lesion? Extreme guideliner V3 intubation through RIMA graft to treat a distal left anterior descending artery stenosis. *J Cardiovasc Med* 2018;19:606-608.

125. De Marzo V, D'Amario D, Galli M, **Vergallo R**, Porto I. High-risk percutaneous coronary intervention: how to define it today? *Minerva Cardioangiol* 2018;66:576-593.

126. Niccoli G, D'Amario D, Borovac JA, Santangelo E, Scalone G, Fracassi F, **Vergallo R**, Vetrugno V, Copponi G, Severino A, Liuzzo G, Imaeva A, Siracusanò A, Crea F. Perilipin 2 levels are increased in patients with in-stent neoatherosclerosis: A clue to mechanisms of accelerated plaque formation after drug-eluting stent implantation. *Int J Cardiol* 2018;258:55-58.

127. D'Amario D, **Vergallo R**, Crea F. Predicting the future after acute myocardial infarction: A gaze into the crystal ball of gene expression profile. *Int J Cardiol* 2018;254:47-48.

128. Di Vito L, Niccoli G, Porto I, **Vergallo R**, Gatto L, Prati F, Crea F. Recurrent acute coronary syndrome and mechanisms of plaque instability. *Int J Cardiol* 2017;243:98-102.

129. Dai J, Hou J, Xing L, Jia H, Hu S, Soeda T, Minami Y, Ong D, **Vergallo R**, Ma L, Ren X, Zhang S, Lee H, Yu B, Jang IK. Is Age an Important Factor for Vascular Response to Statin Therapy? A Serial Optical Coherence Tomography and Intravascular Ultrasound Study. *Coron Artery Dis* 2017;28:209-217.

130. Genuardi L, Burzotta F, **Vergallo R**, Crea F. Plaque erosion causing ST-segment elevation myocardial infarction: report of an optical coherence tomography-documented case and concise literature review. *Coron Artery Dis* 2017;28:355-357.

131. Scalone G, Niccoli G, Refaat H, **Vergallo R**, Porto I, Leone AM, Burzotta F, D'Amario D, Liuzzo G, Fracassi F, Trani C, Crea F. Not all plaque ruptures are born equal: an optical coherence tomography study. *Eur Heart J Cardiovasc Imaging* 2017;18:1271-1277.

132. Gin AL, **Vergallo R**, Minami Y, Ong DS, Hou J, Jia H, Soeda T, Hu S, Zhang S, Lee H, Yu B, Jang IK. Changes in coronary plaque morphology in patients with acute coronary syndrome versus stable angina pectoris after initiation of statin therapy. *Coron Artery Dis* 2016; 27:629-635.

133. **Vergallo R**, Uemura S, Soeda T, Minami Y, Cho JM, Ong DS, Aguirre AD, Gao L, Biasucci LM, Crea F, Yu B, Lee H, Kim CJ, Jang IK. Prevalence and Predictors of Multiple Coronary Plaque Ruptures: In Vivo 3-Vessel Optical Coherence Tomography Imaging Study. *Arterioscler Thromb Vasc Biol* 2016;36:2229-2238.

134. D'Amario D, **Vergallo R**, Trani C, Crea F, Porto I. Exclusion of a coronary artery aneurysm using the STENTYS Xposition S balloon-delivery system with optical coherence tomography guidance: precise positioning without trouble. *Coron Artery Dis* 2017;28:90-91.

135. D'Amario D, **Vergallo R**, Trani C, Crea F, Porto I. Complex vein graft intervention after double-valve transcatheter aortic valve replacement. *Coron Artery Dis* 2017;28:173-174.

136. **Vergallo R**, Xing L, Minami Y, Soeda T, Ong DS, Gao L, Lee H, Guagliumi G, Biasucci

- LM, Crea F, Yu B, Uemura S, O'Donnell CJ, Jang IK. Associations between the Framingham Risk Score and coronary plaque characteristics as assessed by three-vessel optical coherence tomography. *Coron Artery Dis* 2016;27:460-6.
137. Minami Y, Hou J, Xing L, Jia H, Hu S, **Vergallo R**, Soeda T, Lee H, Zhang S, Yu B, Jang IK. Serial Optical Coherence Tomography and Intravascular Ultrasound Analysis of Gender Difference in Changes of Plaque Phenotype in Response to Lipid-Lowering Therapy. *Am J Cardiol* 2016;117:1890-5.
138. Wang Z, Cho YS, Soeda T, Minami Y, Xing L, Jia H, Aguirre A, **Vergallo R**, Lee H, Fujimoto JG, Yu B, Jang IK. Three-dimensional morphological response of lipid-rich coronary plaques to statin therapy: a serial optical coherence tomography study. *Coron Artery Dis* 2016; 27:350-6.
139. Porto I, **Vergallo R**, Sangiorgi GM, Burzotta F, Garbo R, D'Amario D, Trani C, Rebuzzi AG, Crea F. DESolve novolimus-eluting bioresorbable coronary scaffold failure assessed by frequency-domain optical coherence tomography imaging. *Coron Artery Dis* 2016;27:334-6.
140. Soeda T, Higuma T, Abe N, Yamada M, Yokoyama H, Shibutani S, Ong DS, **Vergallo R**, Minami Y, Lee H, Okumura K, Jang IK. Morphological predictors for no reflow phenomenon after primary percutaneous coronary intervention in patients with ST-segment elevation myocardial infarction caused by plaque rupture. *Eur Heart J Cardiovasc Imaging* 2017;18:103-110.
141. Hou J, Xing L, Jia H, **Vergallo R**, Soeda T, Minami Y, Hu S, Yang S, Zhang S, Lee H, Yu B, Jang IK. Comparison of Intensive Versus Moderate Lipid-Lowering Therapy on Fibrous Cap and Atheroma Volume of Coronary Lipid-Rich Plaque Using Serial Optical Coherence Tomography and Intravascular Ultrasound Imaging. *Am J Cardiol* 2016;117:800-6.
142. Minami Y, Wang Z, Aguirre AD, Lee S, Uemura S, Soeda T, **Vergallo R**, Raffel OC, Barlis P, Itoh T, Lee H, Fujimoto J, Jang IK. Quantitative analysis of the side-branch orifice after bifurcation stenting using en-face processing of OCT images: a comparison between Xience V and Resolute Integrity stents. *Coron Artery Dis* 2016;27:19-28.
143. **Vergallo R**, Aguirre AD, Abtahian F, Minami Y, Soeda T, Chatzizisis YS, Croce K, Jang IK. Recurrent myocardial infarctions and premature coronary atherosclerosis in a 23-year-old man with antiphospholipid syndrome. *Thromb Haemost* 2016;115:237-9.
144. Mandolini C, Copponi G, Marini G, **Vergallo R**, Biasucci LM, Crea F. Platelet microRNAs are not modulated by systemic heparin in acute coronary syndromes. *Clin Chem Lab Med* 2016; 54:e3-5.
145. Minami Y, Phipps JE, Hoyt T, Milner TE, Ong DS, Soeda T, **Vergallo R**, Feldman MD, Jang IK. Clinical utility of quantitative bright spots analysis in patients with acute coronary syndrome: an optical coherence tomography study. *Int J Cardiovasc Imaging* 2015;31:1479-87.
146. Soeda T, Uemura S, Park SJ, Jang Y, Lee S, Cho JM, Kim SJ, **Vergallo R**, Minami Y, Ong DS, Gao L, Lee H, Zhang S, Yu B, Saito Y, Jang IK. Incidence and Clinical Significance of Poststent Optical Coherence Tomography Findings: One-Year Follow-Up Study From a Multicenter Registry. *Circulation* 2015;132:1020-9.
147. Gao L, Park SJ, Jang Y, Lee S, Kim CJ, Minami Y, Ong D, Soeda T, **Vergallo R**, Lee H, Yu B, Uemura S, Jang IK. Comparison of Neoatherosclerosis and Neovascularization Between Patients With and Without Diabetes: An Optical Coherence Tomography Study. *JACC Cardiovasc Interv* 2015;8:1044-52.
148. Higuma T, Soeda T, Abe N, Yamada M, Yokoyama H, Shibutani S, **Vergallo R**, Minami Y, Ong DS, Lee H, Okumura K, Jang IK. A Combined Optical Coherence Tomography and Intravascular Ultrasound Study on Plaque Rupture, Plaque Erosion, and Calcified Nodule in Patients With ST-Segment Elevation Myocardial Infarction: Incidence, Morphologic Characteristics, and Outcomes After Percutaneous Coronary Intervention. *JACC Cardiovasc Interv* 2015;8:1166-76.
149. Minami Y, Ong DS, Uemura S, Wang Z, Aguirre AD, Mukhopadhyay S, Soeda T, **Vergallo R**, Jia H, Tian J, Hu S, Kim SJ, Park CB, Dauerman HL, Lee S, Jang IK. Impacts of lesion angle on incidence and distribution of acute vessel wall injuries and strut malapposition after drug-eluting stent implantation assessed by optical coherence tomography. *Eur Heart J Cardiovasc Imaging* 2015;16:1390-8.
150. Gao L, Park SJ, Jang Y, Lee S, Tian J, Minami Y, Jia H, Ong D, Soeda T, **Vergallo R**, Lee H, Yu B, Uemura S, Jang IK. Optical coherence tomographic evaluation of the effect of cigarette smoking on vascular healing after sirolimus-eluting stent implantation. *Am J Cardiol* 2015;

115:751-7.

151. Jia H, Hu S, Uemura S, Park SJ, Jang Y, Prasad A, Lee S, Soeda T, Abtahian F, **Vergallo R**, Tian J, Lee H, Stone PH, Yu B, Jang IK. Insights into the spatial distribution of lipid-rich plaques in relation to coronary artery bifurcations: an in-vivo optical coherence tomography study. *Coron Artery Dis* 2015;26:133-41.

152. **Vergallo R**, Papafaklis MI, Yonetsu T, Bourantas CV, Andreou I, Wang Z, Fujimoto JG, McNulty I, Lee H, Biasucci LM, Crea F, Feldman CL, Michalis LK, Stone PH, Jang IK. Endothelial shear stress and coronary plaque characteristics in humans: combined frequency domain optical coherence tomography and computational fluid dynamics study. *Circ Cardiovasc Imaging* 2014;7:905-11.

153. Tian J, **Vergallo R**, Jia H, Soeda T, Lee H, Yu B, Jang IK. *Int J Cardiol* 2014;176:e137-9.

154. **Vergallo R**, Joye R, Barlis P, Jia H, Tian J, Soeda T, Minami Y, Hu S, Dauerman HL, Toma C, Chan J, Lee H, Biasucci LM, Crea F, Jang IK. Bivalirudin versus unfractionated heparin for residual thrombus burden: a frequency-domain optical coherence tomography study. *Catheter Cardiovasc Interv* 2015;85:575-82.

155. Wang Z, Jia H, Tian J, Soeda T, **Vergallo R**, Minami Y, Lee H, Aguirre AD, Fujimoto JG, Jang IK. Computer-Aided Image Analysis Algorithm to Enhance In Vivo Diagnosis of Plaque Erosion by Intravascular Optical Coherence Tomography. *Circ Cardiovasc Imaging* 2014; 7:805-10.

156. Papafaklis MI, Bourantas CV, Yonetsu T, **Vergallo R**, Kotsia A, Kato K, Coskun AU, Jia H, Antoniadis AP, Tsuda M, Fotiadis DI, Feldman CL, Stone PH, Jang IK, Michalis L. Geometrically Accurate Three-Dimensional Coronary Artery Reconstruction Using Frequency-Domain Optical Coherence Tomography and Angiographic Data: New Opportunities for In Vivo Endothelial Shear Stress Assessment. *EuroIntervention* 2015;11:407-15.

157. Abtahian F, Yonetsu T, Kato K, Jia H, **Vergallo R**, Tian J, Hu S, Lee H, McNulty I, Yu B, Jang IK. Comparison by Optical Coherence Tomography of the Frequency of Lipid Coronary Plaques in Current Smokers, Former Smokers, and Non-smokers. *Am J Cardiol* 2014; 114:674-80.

158. Tian J, Dauerman HL, Toma C, Samady H, Itoh T, Kuramitsu S, Domei T, Jia T, **Vergallo R**, Soeda T, Hu S, Minami Y, Lee H, Yu B, Jang IK. Prevalence and Characteristics of Thin-Cap Fibroatheroma and Degree of Coronary Artery Stenosis: an Optical Coherence Tomography, Intravascular Ultrasound, and Angiographic Study. *J Am Coll Cardiol* 2014;64:672-80.

159. Hu S, Jia H, **Vergallo R**, Abtahian F, Tian J, Soeda T, Rosenfield K, Jang IK. Plaque erosion: in vivo diagnosis and treatment guided by optical coherence tomography. *JACC Cardiovasc Interv* 2014;7:e63-4.

160. Porto I, Ducci KJ, Angioli P, Grotti S, Falsini G, **Vergallo R**, Liistro F, Bolognese L. Optical frequency-domain imaging to guide implantation of a Paclitaxel-eluting stent in the femoral artery. *J Endovasc Ther* 2014;21:456-9.

161. Tian J, Ren X, Uemura S, Dauerman H, Prasad A, Toma C, Jia H, Abtahian F, **Vergallo R**, Hu S, McNulty I, Lee H, Lee S, Yu B, Jang IK. Spatial heterogeneity of neoatherosclerosis and its relationship with neovascularization and adjacent plaque characteristics: Optical coherence tomography study. *Am Heart J* 2014;167:884-892.e2.

162. **Vergallo R**, Jia H, Soeda T, Tian J, Jang IK. Interpretation of optical coherence tomography images. *Lancet* 2014;383(9932):1887.

163. Tian J, Ren X, **Vergallo R**, Xing L, Yu H, Jia H, Soeda T, McNulty I, Hu S, Lee H, Yu B, Jang IK. Distinct Morphological Features of Ruptured Culprit Plaque for Acute Coronary Events Compared to Those With Silent Rupture and Thin-Cap Fibroatheroma: A Combined Optical Coherence Tomography and Intravascular Ultrasound Study. *J Am Coll Cardiol* 2014; 63:2209-16.

164. Hu S, Yonetsu T, Jia H, Karanasos A, Aguirre AD, Tian J, Abtahian F, **Vergallo R**, Soeda T, Lee H, McNulty I, Kato K, Yu B, Mizuno K, Toutouzas K, Stefanadis C, Jang IK. Residual thrombus pattern in patients with ST-segment elevation myocardial infarction caused by plaque erosion versus plaque rupture after successful fibrinolysis: an optical coherence tomography study. *J Am Coll Cardiol* 2014;63:1336-8.

165. Di Vito L, Yoon JH, Kato K, Yonetsu T, **Vergallo R**, Costa M, Bezerra HG, Arbustini E, Narula J, Crea F, Prati F, Jang IK; COICO group (Consortium of Investigators for Coronary

OCT). Comprehensive overview of definitions for optical coherence tomography-based plaque and stent analyses. *Coron Artery Dis* 2014;25:172-85.

166. Vergallo R, Ren X, Yonetsu T, Kato K, Uemura S, Yu B, Jia H, Abtahian F, Aguirre AD, Tian J, Hu S, Soeda T, Lee H, McNulty I, Park SJ, Jang Y, Prasad A, Lee S, Zhang S, Porto I, Biasucci LM, Crea F, Jang IK. Pancoronary plaque vulnerability in patients with acute coronary syndrome and ruptured culprit plaque: a 3-vessel optical coherence tomography study. *Am Heart J* 2014;167:59-67.

167. Yonetsu T, Kato K, Uemura S, Kim BK, Jang Y, Kang SJ, Park SJ, Lee S, Kim SJ, Jia H, **Vergallo R**, Abtahian F, Tian J, Hu S, Yeh RW, Sakhuja R, McNulty I, Lee H, Zhang S, Yu B, Kakuta T, Jang IK. Features of Coronary Plaque in Patients with Metabolic Syndrome and Diabetes Mellitus Assessed by 3-vessel Optical Coherence Tomography. *Circ Cardiovasc Imaging* 2013;6:665-73.

168. Vergallo R, Yonetsu T, Uemura S, Park SJ, Lee S, Kato K, Jia H, Abtahian F, Tian J, Hu S, Lee H, McNulty I, Prasad A, Yu B, Zhang S, Porto I, Biasucci LM, Crea F, Jang IK. Correlation between Degree of Neointimal Hyperplasia and Incidence and Characteristics of Neoatherosclerosis as Assessed by Optical Coherence Tomography. *Am J Cardiol* 2013; 112:1315-21.

169. Yonetsu T, Suh W, Abtahian F, Kato K, **Vergallo R**, Kim SJ, Jia H, McNulty I, Lee H, Jang IK. Comparison of Near-infrared Spectroscopy and Optical Coherence Tomography for Detection of Lipid. *Catheter Cardiovasc Interv* 2013;84:710-7.

170. Jia H, Abtahian F, Aguirre AD, Lee SW, Chia S, Lowe H, Kato K, Yonetsu T, **Vergallo R**, Hu S, Tian J, Lee H, Park SJ, Jang YS, Raffel OC, Mizuno K, Uemura S, Itoh T, Kakuta T, Choi SY, Dauerman H, Prasad A, Toma C, McNulty I, Zhang S, Yu B, Fuster V, Narula J, Virmani R, Jang IK. In Vivo Diagnosis of Plaque Erosion and Calcified Nodule in Patients with Acute Coronary Syndrome by Intravascular Optical Coherence Tomography. *J Am Coll Cardiol* 2013; 62:1748-58.

171. Porto I, Gaudino M, De Maria GL, Di Vito L, **Vergallo R**, Bruno P, Bonalumi G, Prati F, Bolognese L, Crea F, Massetti M. Long-term Morphofunctional Remodeling of Internal Thoracic Artery Grafts: A Frequency-Domain Optical Coherence Tomography Study. *Circ Cardiovasc Interv* 2013;6:269-76.

172. Abtahian F, Yonetsu T, **Vergallo R**, Jia H, Kato K, Tian J, Hu S, McNulty I, Jang IK. Ticagrelor immediately prior to stenting is associated with smaller residual thrombus in patients with acute coronary syndrome. *Int J Cardiol* 2013;168:3099-1014.

173. Kato K, Yonetsu T, Jia H, Abtahian F, **Vergallo R**, Hu S, Tian J, Kim SJ, Lee H, McNulty I, Lee S, Uemura S, Jang Y, Park SJ, Mizuno K, Yu B, Jang IK. Non-Culprit Coronary Plaque Characteristics of Chronic Kidney Disease. *Circ Cardiovasc Imaging* 2013;6:448-56.

174. Vergallo R, Yonetsu T, Kato K, Jia H, Abtahian F, Tian J, Hu S, McNulty I, Yu B, Biasucci LM, Crea F, Jang IK. Evaluation of Culprit Lesions by Optical Coherence Tomography in Patients with ST-Elevation Myocardial Infarction. *Int J Cardiol* 2013; S0167- 5273(13)00081-8.

175. Liistro F, Porto I, Grotti S, Ventoruzzo G, **Vergallo R**, Bellandi G, Bolognese L. Drug-Eluting Balloon Angioplasty for Carotid In-Stent Restenosis. *J Endovasc Ther* 2012;19:729-33.

176. Porto I, Biasucci LM, De Maria GL, Leone AM, Niccoli G, Burzotta F, Trani C, Tritarelli A, **Vergallo R**, Liuzzo G, Crea F. Intracoronary microparticles and microvascular obstruction in patients with ST-elevation myocardial infarction undergoing primary percutaneous intervention. *Eur Heart J* 2012;33:2928-38.

177. Porto I, Di Vito L, Burzotta F, Niccoli G, Trani C, Leone AM, Biasucci LM, **Vergallo R**, Limbruno U, Crea F. Predictors of Type IVa Myocardial Infarction as assessed by Frequency Domain Optical Coherence Tomography. *Circ Cardiovasc Interv* 2012;5:89-96, S1-6.

178. Porto I, Hamilton-Craig C, De Maria GL, **Vergallo R**, Cautilli G, Galiuto L, Burzotta F, Leone AM, Niccoli G, Natale L, Bonomo L, Crea F. Quantitative Blush Evaluator accurately quantifies microvascular dysfunction in patients with ST-elevation myocardial infarction: comparison with cardiovascular magnetic resonance. *Am Heart J* 2011;162:372-381.e2.

CAPITOLI DI LIBRO

1. Porto I, **Vergallo R**, Piro M, Fioranelli M. "Integrated Coronary Artery Imaging": chapter of the book "Sport Cardiology" – Fioranelli, Frajese (eds). Springer.
2. Dato I, **Vergallo R**, Trani C, Porto I. "Other clinical indications: sports practice in individuals with patent foramen ovale and in patients undergoing non-coronary cardiovascular interventions":

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(SELEZIONATI)**

chapter of the book "Sport Cardiology" – Fioranelli, Frajese (eds). Springer.

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4. Vergallo R, Jang IK. "Intracoronary Imaging for Assessing the Risk of Coronary Microvascular Obstruction": chapter of the book "Coronary Microvascular Obstruction in Acute Myocardial Infarction" – Niccoli G, Eitel I (ed.). Elsevier.

5. Vergallo R, Jang IK. "Detection of Vulnerable Plaque": chapter of the book "Cardiovascular OCT imaging" 2nd Edition – Jang IK (ed.). Springer. 2020.

- Relazione orale su invito all'82° Congresso Nazionale della "Società Italiana di Cardiologia" - Roma, 9-12 dicembre 2021 - dal titolo: "La triplice terapia nel paziente anziano".
- Relazione orale su invito al 42° Congresso della "Società Italiana di Cardiologia Invasiva - GISE" - Milano, 5-8 ottobre 2021 - dal titolo: "OPTICAL COHERENCE TOMOGRAPHY (OCT) FOR TEMPORARY PCI - Procedure Wrap-up".
- Relazione orale al Congresso Internazionale "EuroPCR 2021" - 18-20 maggio 2021 - dal titolo: "Serum uric acid levels and in-stent neoatherosclerosis: an OCT imaging study" ref. "A28936RV".
- Relazione orale su invito all'81° Congresso Nazionale della "Società Italiana di Cardiologia" - Roma, 17-20 dicembre 2020 - dal titolo: "Durata della triplice terapia antiaggregante dopo angioplastica percutanea: come orientarsi".
- Relazione orale al Congresso Internazionale "SCAI 2020 Scientific Sessions Virtual Conference" - Atlanta, 14-16 maggio 2020 - dal titolo: "Optical Coherence Tomography Measures Predicting Fractional Flow Reserve: The OMEF Study".
- Relazione orale al Congresso "Conoscere e Curare il Cuore 2020" - Firenze, 1-4 ottobre 2020 - dal titolo: "Atherosclerotic Disease Progression Preceding Plaque Rupture versus Plaque Erosion: an OCT study".
- Relazione orale su invito all'80° Congresso Nazionale della "Società Italiana di Cardiologia" - Roma, 12-15 dicembre 2019 - dal titolo: "Gestione della terapia antiaggregante dopo PCI in pazienti che necessitano di chirurgia maggiore non cardiaca".
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- Relazione orale all'80° Congresso Nazionale della "Società Italiana di Cardiologia" - Roma, 12-15 dicembre 2019 - dal titolo: "Atherosclerotic disease progression preceding the occurrence of acute coronary syndrome in patients with plaque rupture vs. plaque erosion: an angiographic and optical coherence tomography study".
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- Relazione orale su invito all'"XIX Congresso Regionale A.R.C.A. Lazio" - Roma, 27-28 settembre 2019 - dal titolo: "Sindromi coronariche acute: cosa abbiamo imparato dall'imaging intracoronarico".
- Relazione orale su invito al Congresso patrocinato dalla "Società Italiana di Cardiologia Invasiva - GISE" dal titolo "WHAT'S UP IN INTERVENTIONAL CARDIOLOGY 2019 - FROM DEVICE TO THERAPY: NOW YOU CAN" - Parma, 13-14 settembre 2019 - relazione dal titolo: "Coronary artery disease: clinical case 2".
- Relazione orale su invito al Congresso "PLACE 2019 - 8ª edizione – Platform of Laboratories for Advances in Cardiac Experience" - Roma, 22-23 novembre 2019 - dal titolo: "OCT: Promessa (non) mantenuta?".
- Membro del Comitato Scientifico e partecipazione alla valutazione dei contributi scientifici del Congresso "Conoscere e Curare il Cuore 2019" - Firenze, 28 febbraio 2019 - 3 marzo 2019.
- Relazione al Congresso "Conoscere e Curare il Cuore 2019" - Firenze, 28 febbraio-3 marzo 2019 - dal titolo: "Atherosclerotic Disease Progression Preceding Plaque Rupture versus Plaque Erosion: an OCT study".
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2019: caso clinico introduttivo".

- Relazione orale su invito al Congresso "Heartline 2018" - Genova, 23-24 novembre 2018 - dal titolo: "Supporto ventricolare sinistro a breve termine: ruolo del Cardiologo Interventista".
- Relazione orale su invito al 39° Congresso della "Società Italiana di Cardiologia Invasiva - GISE" - Milano, 16-19 ottobre 2018 - dal titolo: "Long-term follow-up and prolonged DAPT" nella sessione "GISE elderly patients".

- Membro del board GISE Young e partecipazione all'organizzazione della sessione "GISE YOUNG MEETING" al 39° Congresso della "Società Italiana di Cardiologia Invasiva - GISE" - Milano, 16-19 ottobre 2018 - con relazione orale su invito dal titolo: "GISE Young - Research".
- Relazione orale su invito al Congresso organizzato dalla "Società Italiana di Cardiologia Invasiva - GISE" dal titolo: "GISE Elderly Clinical Cases Challenge - Ottimizzazione della terapia antiaggregante nell'acuto e nel lungo termine nel paziente anziano" - Lecce, 11-12 maggio 2018. Titolo della relazione: "Caso 12: paziente anziano con infarti ricorrenti".
- Relazione orale su invito al Congresso Internazionale "Update in Cardiology 2019" organizzato dalla "Korea Hypertension Management Association (KHMA)" - Seoul, 10 novembre 2019 - dal titolo: "Healed coronary plaque-histologic validation".
- Relazione orale su invito al Congresso "PLACE 2017 - Platform of Laboratories for Advances in Cardiac Experience" - Roma, 22-24 novembre 2017 - dal titolo: "Optical Coherence Tomography: non solo per la ricerca!".
- Relazione orale su invito al Congresso organizzato dalla "Società Italiana di Cardiologia Invasiva - GISE" dal titolo: "GISE Post-MI Clinical Cases Challenge - Ottimizzazione della terapia antiaggregante a lungo termine nel paziente colpito da MI" - Firenze, 9-10 novembre 2017. Titolo della relazione: "Caso 1: paziente STEMI SPOKE".
- Relazione orale su invito al 38° Congresso della "Società Italiana di Cardiologia Invasiva - GISE" - Milano, 10-13 ottobre 2017 - dal titolo: "OCT/IVUS clinical case" nella sessione "IMPROVE YOUR SKILLS: ANATOMIC AND FUNCTIONAL ASSESSMENT OF CAD".
- Relazione orale su invito al 76° Congresso Nazionale della "Società Italiana di Cardiologia" - Roma, 11-14 dicembre 2015 - dal titolo: "INCIDENCE AND PREDICTORS OF MULTIPLE CORONARY PLAQUE RUPTURES: THREE- VESSEL OPTICAL COHERENCE TOMOGRAPHY IMAGING STUDY" nella sessione dedicata ai vincitori di borse di studio SIC.
- Relazione al Congresso Annuale dell'American College of Cardiology (ACC) 2015 - San Diego, 14-16 marzo 2015 - dal titolo: "Coronary plaque characteristics in patients with hypertension: a 3-vessel optical coherence tomography study".
- Relazione orale al Congresso Annuale della Società Europea di Cardiologia (ESC) 2014 - Barcellona, 30 agosto - 3 settembre 2014 - dal titolo: "Low endothelial shear stress is associated with high-risk coronary plaque characteristics in humans: a combined frequency-domain optical coherence tomography and computational flow dynamics study" nell'ambito della sessione "Young Investigator Awards (YIA) Session: Coronary Pathophysiology and Microcirculation".

CAPACITÀ E COMPETENZE PERSONALI

MADRELINGUA **ITALIANO**

ALTRE LINGUE

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

INGLESE
Eccellente
Eccellente
Eccellente

**CAPACITÀ E COMPETENZE
TECNICHE**

UTILIZZO DI MS WORD, MS EXCEL, MS POWER POINT
Eccellente

Luogo e data: Genova, 04/01/2024

Firma

