

Curriculum Vitae

Dr Antonio Cannata, MD, MSc, FHFA

PERSONAL DETAILS

DOB: 21st April 1987

Nationality:

Email:

Address:

GMC number:

Gender:

Mobile:

CCT date:

MPS:

Specialist Registry (Cardiology): 03/2020

Current position: Post CCT BHF Clinical Research Training Fellow in Heart Failure and Acting Consultant in Heart Failure

Profile

I am a clinical cardiologist (CCT 12/2019) with a special interest in heart failure, cardio-oncology, and inherited cardiac condition.

For the last 3 years, I have been working as a post CCT Clinical Research Fellow in Heart Failure at the King's College Hospital whilst undertaking a PhD at King's College London (supervisors Professors Theresa McDonagh and John Cleland).

Clinical duties have been general cardiology cover, general and specialist outpatient clinics (mainly Heart Failure and Cardio-Oncology) at King's College Hospital, as senior registrar and Acting Consultant (Heart Failure Ambulatory Unit) since February 2023. I have a wide experience in managing patients with non-ischaemic heart failure and Inherited Cardiac Conditions from aetiological characterisation to genetic testing and specific management. I have trained in all aspects of Heart Failure, managing patients with Ischaemic and non-ischaemic Heart Failure and Cardiomyopathies.

I have successfully completed a MSc in Clinical Trials at the University of Oxford with a Dissertation on a non-inferiority trial of withdrawal of medical therapy in ischaemic heart disease and have experience as sub-investigator of several clinical trials.

Academically, I have authored >100 peer-reviewed publications (including first author publications in JAMA Cardiology, European Heart Journal and European Journal of Heart Failure), have won several prizes and presented my work nationally and internationally. I am currently playing an active part in the Dilated Cardiomyopathy Registry of the Heart Muscle Disease Registry at the University of Trieste, Italy, which is one of the biggest monocentric registries on Inherited Cardiac Conditions. I am author of many publications in cardiomyopathies and heart failure and have contributed significantly to defining the role of female sex in patients with DCM and in characterising the genetic background and prognosis of a specific subgroup of patients with Late-Onset Dilated Cardiomyopathy.

I am a member of national and international societies, including the ESC Young CV Professionals and ESC Working group on Myocardial and Pericardial diseases. I am also the Chair of the HFA Young Committee overseeing international projects for >5000 young Heart Failure specialists.

I am an experienced teacher in both the clinical and academic environment, and have supervised and mentored international fellows, medical students, and thesis discussants.

My professional and personal aims are to be recognised by colleagues and patients for my kindness, dedication, hard work, enthusiasm, and clinical judgment. I am motivated and well-organized managing to combine a busy clinical and academic life with my family life.

EDUCATION

Postgraduate Education

2021 - 2024 PhD at King's College London.

expected completion 7/2024

2021 - 2023 MSc in Clinical Trials, University of Oxford
2014 - 2019 Cardiology training, University of Trieste, Italy

First-class Honours

Medical Education

2012 National Exam: License to practice Medicine and Surgery, University of Rome
2005 – 2011 Doctor of Medicine, University Campus Bio-Medico, Rome, Italy *First-class Honours*

GRANTS AND DISTINCTIONS (selection)

Academic Prizes and Distinctions

02/2023 Board Reviewer, European Heart Journal
08/2022 Reviewer of the year, European Heart Journal
12/2021 Fellow of the SIC, Italian Society of Cardiology
12/2021 Best Abstract award, Italian Society of Cardiology
08/2021 Reviewer of the year, European Heart Journal
03/2021 Fellow of the HFA, Heart Failure Association of the European Society of Cardiology
12/2019 *First-class with Honours* for the work “Genetic landscape and prognosis of Dilated Cardiomyopathy in women.”
11/2017 Dr Pivotti Memorial Award, Trieste, Italy
12/2016 Best Researcher Award, Associazione in Cardioscienze, Trieste, Italy
11/2011 Young Researcher Award, Italian Society of Cardiology
07/2011 *First-class with Honours* for the work “Prevention of chemotherapy- and target therapy-induced cardiovascular damage with atorvastatin. Preliminary results of the ARMYDA-CT study (Atorvastatin for Reduction of MYocardial DAMage during ChemoTherapy)”
09/2006 Medical school applications: Top 1%

Grants and Funding

08/2022	HFA course in clinical trial Travel Grant - Heart Failure Association (HFA)	€800
12/2021	SIC Educational Grant, Italian Society of Cardiology	€500
08/2021	BHF Clinical Research Training Fellowship, FS/CRTF/21/24175	£269,551.53
08/2019	Educational Grant from “Associazione in Cardioscienze”	£9,000
08/2019	ESC Educational Grant, European Society of Cardiology	€500
05/2019	HFA Travel Grant, Heart Failure Association of the ESC	€400
12/2018	SIC Educational Grant, Italian Society of Cardiology	€400
12/2017	SIC Educational Grant, Italian Society of Cardiology	€400
12/2016	SIC Educational Grant, Italian Society of Cardiology	€400
12/2015	SIC Educational Grant, Italian Society of Cardiology	€400
10/2013	BCVS Abstract Travel Grant, American Heart Association	\$500
09/2009	Erasmus Program fellowship and grant winner, QMU, London	€6,000

EMPLOYMENT RECORD

12/2019-present BHF Clinical Research Heart Failure Fellow, King’s College Hospital
Supervisors: Prof T. McDonagh & Prof J. Cleland
During this role, I have been working as a clinical and research fellow, I have been looking after both inpatients and outpatients with Heart Failure and the Heart Failure Ambulatory Care Unit.

12/2019-present Visiting Scientist, *Department of Cardiology*, University of Trieste
Responsible for the Dilated Cardiomyopathy Registry of the Heart Muscle Disease Registry of the University of Trieste.

12/2019-08/2022 Clinical Research Fellow and Research Associate, King's BHF Centre of Research Excellence & King’s College Hospital
Supervisors: Prof T. McDonagh & Prof M. Giacca.
During this role, I was working as a clinical and research fellow, covering the Cardiology and CCU

ward round, general cardiology clinics, acute cardiology on-call service, general cardiology enhanced triage service and Heart Failure service. I have also initially trained in invasive cardiology covering the Cath lab lists as a Clinical Fellow.

- 12/2014-12/2019 Specialist Registrar in Cardiology, University of Trieste, Italy
Supervisors: Prof G. Sinagra & Prof M. Merlo
- 01/2013-12/2014 Research Fellow, Brigham & Women's Hospital, Harvard Medical School, Boston, MA
- 09/2011-12/2012 Post Graduate Internship, Clinical *Cardiology*, University Campus Bio-Medico Rome, IT

CLINICAL EXPERIENCE

CCT in Cardiology Italy (12/2019), grade first-class honours.

I have experience in all fields of cardiology, including interventional cardiology, device implantation, and cardiology intensive care unit. During the COVID Pandemic I joined the Intensive Care Unit to take care of cardiovascular and non-cardiovascular patients.

My clinical interests are especially in Inherited Cardiac Conditions, genetics, and heart failure.

Heart Failure.

I trained in Clinical Cardiology and Heart Failure in Italy and then joined the Heart Failure Unit at King's College Hospital where I completed subspecialty training in Heart Failure under the supervision of Prof T. McDonagh. I have been looking after both inpatients and outpatients with Heart Failure and ambulatory patients requiring emergency IV diuretic infusion. Over these years, I have closely incorporated my academic background and research skills into clinics, ensuring that the high-quality clinical service is supported by innovative research.

Inherited Cardiac Conditions

I have been training and working with patients with inherited cardiac conditions since 2013. I attended the local ICC MDTs and was responsible for the entire diagnostic and therapeutic process for patients with cardiomyopathies. Specifically:

Dilated cardiomyopathy (including arrhythmogenic): approximately 1000 patients per year (of those ~350 genetically determined, ~100 alcohol-induced, ~100 tachycardia-induced, ~100 chemotherapy induced, ~150 hypertensive heart disease, ~100 with post-inflammatory and ~150 with idiopathic).

Hypertrophic Cardiomyopathy: approximately 400 patients per year. Of those approximately 30% with obstructive HCM and two-thirds with non-obstructive disease.

Channelopathies: approximately 150 patients with suspected channelopathies including long QT syndrome, Brugada syndrome, catecholaminergic polymorphic ventricular tachycardia, and idiopathic ventricular fibrillation.

Family screening and genetic counselling

I have been involved in a multidisciplinary team with medical geneticists and psychologists for the counselling of patients and relatives of patients with pathogenic or likely pathogenic mutations and the family screening process for first-degree relatives.

Cardiac Arrest service

I have been involved in the development and international validation of the MIRACLE2 Score useful for prognostication of patients with out-of-hospital cardiac arrest.

Procedural Numbers during training

<i>Transthoracic echocardiography</i>	>1200 scanned and reported.
<i>Transoesophageal echocardiography</i>	~290 scanned and reported.
<i>Dobutamine stress echocardiography</i>	>100 scanned and reported.
<i>Pacing/CRT/ICD</i>	>130 procedures
<i>Coronary angiography</i>	>700
<i>Right and left heart catheter studies</i>	79
<i>PCI</i>	>300

ACADEMIC AND RESEARCH EXPERIENCE

I am extremely passionate and enthusiastic about clinical and translational research. My academic background lies in patient profiling, characterization, and arrhythmic risk stratification for patients with cardiomyopathies and Heart Failure with reduced ejection fraction. I am author, co-author or senior author of >100 peer reviewed publications in international journals, co-editor of a book on Infective Endocarditis and co-author of several book chapters on cardiomyopathies.

Clinical Trials Experience

Sub-investigator or site co-PI for:

- IRONMAN (Phase 3)
- VICTOR (Phase 3)
- GOAL-HF 1 (Phase 1)

Academic activities

- MSc in Clinical Trials – University of Oxford, UK
- Faculty at HFA Clinical Trial Course – 2023
- CVCT Forum Young Investigator participant 2020 and 2023

Editorial Experience & Peer Review

Associate Editor for *European Journal of Heart Failure*, *PLoS ONE*, *BMC: Cardiovascular Disorders*.

Reviewer for: *European Heart Journal*, *Circulation*, *JACC*, *European Journal of Heart Failure*, *JACC Heart Failure*, *Circulation Heart Failure*, *ESC Heart Failure*, *International Journal of Cardiology*, *Life Science*, *Journal of Cardiovascular Medicine*, *BMC Cardiovascular disorders*, and others.

EJH Top Reviewer Award 2020/2021, 2021/2022 and 2022/2023

Relevant Courses and Certifications

- 2022 HFA Course in Clinical Trials, Sorrento, IT,
- 2022 Leadership course, New Generation leaders by Peter Milligan, Oxford, UK
- 2021 Course Safe Research Training for Accredited Researchers, Office for National Statistics – London, UK
- 2020 ALS Provider - Resuscitation Council (UK), Oxford, UK
- 2019 CCT in Cardiology, University of Trieste, IT
- 2019 Fellow Course in Cardiac MRI (Italian Society of Cardiology), Rome, IT
- 2019 Fellow Course in Echocardiography (Italian Society of Cardiology), Rome, IT
- 2019 NHS Mandatory Training and safety modules, London, UK
- 2019 Course “Home Office Licensee – Training Course”, London, UK.
- 2017 Master Course “Clinical Electrocardiography”, San Daniele (UD), IT
- 2017 Basic Science Summer School, European Society of Cardiology, Sophia Antipolis, FR.
- 2016 Master Course “Clinical Electrocardiography”, Rome, IT
- 2015 Course: “Invasive Cardiology for Young Cardiologist” (Italian Society of Invasive Cardiology – GISE)
- 2014 IELTS Test of English – Overall Score: 7.5/9.0, Boston, MA
- 2012 Master Course Clinical Echocardiography, Italian Society of Echocardiography

PUBLICATIONS (115 total publications; 2,087 citations; h-index 25 as of April 2024)

Peer Reviewed Articles (* denotes co-first author)

1. **Cannata A**, Mizani M, Bromage D, Piper S, Hardman S, Sudlow C, Debelder M, Deanfield J, Gardner R, Clark A, Cleland J, McDonagh T. *A nationwide, population-based study on specialised care for acute heart failure throughout the COVID-19 pandemic.* **Eur J Heart Fail.** 2024 [Epub]
2. Rakisheva A, Sliwa K, Bauersachs J, Van Linthout S, Chopra VK, Bayes-Genis A, Fruzzetti F, **Cannatà A**, Deniau B, Mebazaa A, Savarese G, Ray R, Vitale C, Metra M, Rosano GMC. *Multidisciplinary care of peripartum heart failure: A scientific statement of the Heart Failure Association of the ESC.* **Eur J Heart Fail.** 2024 [Epub]

3. Mullens W, Damman K, Dhont S, Banerjee D, Bayes-Genis A, **Cannata A**, Chioncel O, Cikes M, Ezekowitz J, Flammer AJ, Martens P, Mebazaa A, Mentz RJ, Miró O, Moura B, Nunez J, Ter Maaten J, Testani J, van Kimmenade R, Verbrugge F, Metra M, Rosano G, Filippatos G. *Dietary sodium and fluid intake in heart failure. A clinical consensus statement of the Heart Failure Association of the ESC.* **Eur J Heart Fail.** 2024 [Epub]
4. Scott PA, **Cannata A**, Shote A, Wright IJ, Bhuva AN, Lovell MJ, Plummer C, de Belder M, Dayer M, Murgatroyd FD. *Operator and center characteristics, and choice of pacing modes.* **Heart Rhythm.** 2024;**S1547-5271(24)02499-8**
5. Fava M, **Cannata A**, Barallobre-Barreiro J. *Myocardial Matrix Hydrogels for Cardiac Repair: The Devil Is in the Details.* **JACC Basic Transl Sci.** 2024 **28**;9:339-341
6. Ferone E, Segev A, Tempo E, Gentile P, Elsanhoury A, Baggio C, Artico J, Bhatti P, Scott P, Bobbio E, Merlo M, Ameri P, Sinagra G, Tschöpe C, Bromage D, **Cannata A**. *Current treatment and immunomodulation strategies in Acute Myocarditis.* **J Cardiovasc Pharmacol.** 2024 [Epub]
7. Setti M, Merlo M, Gigli M, Munaretto L, Paldino A, Stolfo D, Pio Loco C, Medo K, Gregorio C, De Luca A, Graw S, Castrichini M, **Cannatà A**, Ribichini FL, Dal Ferro M, Taylor M, Sinagra G, Mestroni L. *Role of arrhythmic phenotype in prognostic stratification and management of dilated cardiomyopathy.* **Eur J Heart Fail,** 2024 **26**: 581-589
8. Madaudo C, Bromage D, Novo G, **Cannata A**. *Improving cardiovascular health today to prevent heart failure tomorrow: The importance of a holistic approach.* **Eur J Prev Cardiol.** 2024
9. Tomasoni D, **Cannatà A**, Adamo M, Metra M. *2023 focused update of the 2021 ESC heart failure guidelines: Key messages for clinical practice.* **Eur J Clin Invest.** 2024 Jan **18**:e14163.
10. Crisci G, Bobbio E, Gentile P, Bromage DI, Bollano E, Ferone E, Israr MZ, Heaney LM, Polte CL, **Cannatà A**, Salzano A. *Biomarkers in Acute Myocarditis and Chronic Inflammatory Cardiomyopathy: An Updated Review of the Literature.* **J Clin Med.** 2023 Nov **21**;12(23):7214
11. De Luca M, Crisci G, Armentaro G, Cicco S, Talerico G, Bobbio E, Lanzafame L, Green CG, McLellan AG, Debiec R, Caferra P, Scicali R, **Cannatà A**, Israr MZ, Heaney LM, Salzano A. *Endothelial Dysfunction and Heart Failure with Preserved Ejection Fraction-An Updated Review of the Literature.* **Life** 2023 Dec **24**;14(1):30.
12. **Cannata A**, Bromage DI, McDonagh TA. *When observation meets randomization: 'Don't let a crisis go to waste'.* **Eur J Heart Fail.** 2023; **25**(12):2189-2190
13. Roy R, **Cannata A**, Al-Agil M, Ferone E, Jordan A, To-Dang B, Sadler M, Shamsi A, Albarjas M, Piper S, Giacca M, Shah AM, McDonagh T, Bromage DI, Scott PA. *Diagnostic accuracy, clinical characteristics, and prognostic differences of patients with acute myocarditis according to inclusion criteria.* **Eur Heart J Qual Care Clin Outcomes.** 2023; **qcad061**
14. **Cannata A**, Badawy L, Anyu AT, Samways J, Sweeney M, Jordan-Rios A, Zakeri R, Scott PA, Piper S, Plymen CM, McDonagh TA, Bromage DI. *The prognostic impact of specialist cardiology input in patients admitted for heart failure and normal ejection fraction.* **ESC Heart Fail.** 2023;**10**(4):2648-2655.
15. Shamsi A, **Cannata A**, Piper S, Bromage DI, McDonagh TA. *Treatment of Iron Deficiency in Heart Failure.* **Curr Cardiol Rep.** 2023;**25**(7):649-661.
16. Sen G, **Cannata A**, Bromage D, Knott K, Rosmini S. *A changing heart in tako-tsubo syndrome.* **Eur Heart J Cardiovasc Imaging.** 2023;**24**(8):e206.
17. Pareek N, Frohmaier C, Smith M, Kordis P, **Cannata A**, Nevett J, Fothergill R, Nichol RC, Sullivan M, Sunderland N, Johnson TW, Noc M, Byrne J, MacCarthy P, Shah AM. *A machine learning algorithm to predict a culprit lesion after out of hospital cardiac arrest.* **Catheter Cardiovasc Interv.** 2023 Jul;**102**(1):80-90.
18. Parish O, **Cannata A**, Shamsi A, Jordan-Rios A, Albarjas M, Piper S, Scott P, Bromage D, McDonagh T. *Prognostic Role of Contraindicated Drugs in Hospitalized Patients with Decompensated Heart Failure.* **J Pharmacol Exp Ther.** 2023;**386**(2):205-211.
19. **Cannata A**, Savarese G. *Importance of Adding Quality of Life to Years of Life in Patients With Heart Failure.* **JACC Asia.** 2023;**3**(3):363-364.
20. Jordan-Rios A, **Cannatà A**, Bromage D, McDonagh T. *Challenges in the Implementation of Medical Therapy in Heart Failure.* **JACC Heart Fail.** 2023;**11**(5):607-609..
21. Roy R, Kanyal R, Abd Razak M, To-Dang B, Chotai S, Abu-Own H, **Cannata A**, Dworakowski R, Webb I, Pareek M, Shah A, MacCarthy P, Byrne J, Melikian N, Pareek N. *The effect of ethnicity and socioeconomic status on outcomes after resuscitated out-of-hospital cardiac arrest - findings from a tertiary centre in South London.* **Resuscitation Plus.** 2023 [Epub]

22. Aldous R, Roy R, **Cannata A**, Abdrazak M, Mohanan S, Beckley-Hoelscher N, Stahl D, Kanyal R, Kordis P, Sunderland N, Parczewska A, Kirresh A, Nevett J, Fothergill R, Webb I, Dworakowski R, Melikian N, Kalra S, Johnson TW, Sinagra G, Rakar S, Noc M, Patel S, Auzinger G, Gruchala M, Shah AM, Byrne J, MacCarthy P, Pareek N. *MIRACLE2 Score Compared With Downtime and Current Selection Criterion for Invasive Cardiovascular Therapies After OHCA*. **JACC Cardiovasc Interv.** 2023 [Epub]
23. Gortan Cappellari G, Aleksova A, Dal Ferro M, **Cannatà A**, Semolic A, Guarnaccia A, Zanetti M, Giacca M, Sinagra G, Barazzoni R. *n-3 PUFA-Enriched Diet Preserves Skeletal Muscle Mitochondrial Function and Redox State and Prevents Muscle Mass Loss in Mice with Chronic Heart Failure*. **Nutrients.** 2023;**15(14):3108**
24. Ammirati E, Lupi L, Palazzini M, Ciabatti M, Rossi V, Gentile P, Uribarri A, Vecchio C, Nassiacos D, Cereda A, Conca C, Tumminello T, Piriou N, Lalarge C, Pedrotti P, Stucchi M, Peretto G, Galasso M, Huang F, Ianni U, Procopio A, Saponara G, Cimaglia P, Tomasoni D, Moroni F, Turco A, Sala S Di Tano G, Bollano E, Moro C, Abbate A, Della Bona R, Porto I, Carugo S, Campodonico J, Pontone G, Grosu A, Bolognese L, Salamanca J, Diez-Villanueva P, Ozieranski K, Tyminska A, Sardo Infriri L, Bromage D, **Cannatà A**, Hong K, Adamo M, Quattrocchi G, Foà A, Potena L Garascia A, Giannattasio C, Adler E, Sinagra G, Ruschitzka F, Camici P, Metra M, Pieroni M. *Outcome and Morpho-functional Changes on Cardiac Magnetic Resonance in Patients with Acute Myocarditis following mRNA COVID-19 vaccination*. **Circ HF.** 2023;**16(6):e010315**
25. Naung Tun H, Khan K, Chernikova D, Mareev Y, Chakrabarti S, Thant M, **Cannata A**. *Conduction system pacing: promoting the physiology to prevent Heart Failure*. **Heart Failure Reviews** 2023 ;**28(2):379-386**.
26. Nuzzi V, **Cannatà A**, Pellicori P, Manca P, Stolfo D, Gregorio C, Barbati G, Bromage DI, McDonagh T, Cleland JGF, Merlo M, Sinagra G. *Diuretic dose trajectories in dilated cardiomyopathy: prognostic implications*. **Clin Res Cardiol.** 2023;**112(3):419-430**.
27. Khan P, Selvarajah K, Gohel S, Sidhu B, **Cannatà A**, Bromage D, McDonagh T, Murgatroyd F, Scott PA. *Syncope in ICD recipients: a single centre experience*. **Europace** 2023 **30;25(3):940-947**
28. Jordan-Rios A, Nuzzi V, Bromage D, McDonagh T, Sinagra G, **Cannata A**. *Reshaping care in the aftermath of the pandemic. Implications for cardiology health systems*. **Eur J Int Med** 2023;**109:4-11**
29. **Cannatà A**, Merlo M, Dal Ferro M, Barbati G, Manca P, Paldino A, Graw S, Gigli M, Stolfo D, Johnson R, Roy D, Tharratt K, Bromage D, Jirikowic J, Abbate A, Goodwin A, Rao K, Marawan A, Carr-White G, Robert L, Parikh V, Ashley E, McDonagh T, Lakdawala N, Fatkin D, Taylor M, Mestroni L, Sinagra G. *Association of Titin Variations With Late-Onset Dilated Cardiomyopathy*. **JAMA Cardiology.** 2022;**7:371-377**
30. McDonagh T, Bromage D, **Cannata A**. *Intravenous Iron passes another endurance test in heart failure*. **Lancet.** 2022;**S0140-6736(22)02180-8**
31. Paldino A, Dal Ferro M, Stolfo D, Gandin I, Medo K, Graw S, Gigli M, Gagno G, Zaffalon D, Castrichini M, Masè M, **Cannatà A**, Brun F, Storm G, Severini GM, Lenarduzzi S, Giroto G, Gasparini P, Bortolotti F, Giacca M, Zacchigna S, Merlo M, Taylor M, Mestroni L, Sinagra G. *Prognostic prediction of genotype versus phenotype in genetic cardiomyopathies*. **J Am Coll Cardiol.** 2022;**80:1981–1994**
32. Bromage D, **Cannata A**, McDonagh T. *Combination diuretic therapy for acute heart failure: “Alone we can do so little; together we can do so much”*. **Eur J Heart Failure.** 2022;**24(9):1611-1613**
33. **Cannata A**, Bhatti P, Roy R, Al-Agil M, Daniel A, Ferone E, Jordan A, Cassimon B, Bradwell S, Khawaja A, Sadler M, Shamsi A, Huntington J, Birkinshaw A, Rind I, Rosmini S, Piper S, Sado S, Giacca M, Shah A, McDonagh T, Scott PA, Bromage DI. *Prognostic relevance of demographic factors in cardiac magnetic resonance-proven acute myocarditis: a cohort study*. **Frontiers in Cardiovasc. Med.** 2022;**9:1037837**
34. Bortolotti F, Ruozi G, Tomczyk M, **Cannata A**, Mura A, Martinelli V, Falcione A, Vodret S, Braga L, Dal Ferro M, Sinagra G, Zacchigna S, Giacca M. *Cardioprotective factors against myocardial infarction selected in vivo from an AAV secretome library*. **Science Translational Med.** 2022;**14(660):eabo0699**
35. Lalario A, Del Mestre E, Lo Casto M, Nuzzi V, Manca P, Bromage D, Barbati G, Merlo M, Sinagra G, **Cannatà A**. *Clinical characterization and natural history of chemotherapy-induced dilated cardiomyopathy*. **ESC Heart Failure.** 2022; **9(5):3052-3059**
36. Pareek N, Beckley-Hoelscher N, Kanyal R, **Cannata A**, Kordis P, Sunderland N, Kirresh A, Nevett J, Fothergill R, Webb I, Dworakowski R, Melikian N, Kalra S, Johnson TW, Sinagra G, Rakar S, Noc M, Shah AM, Byrne J, MacCarthy P. *MIRACLE2 Score and SCAI Grade to Identify Patients With Out-of-Hospital Cardiac Arrest for Immediate Coronary Angiography*. **JACC Cardiovasc Interv.** 2022;**15(10):1074-1084**
37. Nuzzi V, Del Mestre E, Degrassi A, Bromage D, Manca P, Piper S, Artico J, Gentile P, Scott P, Chiatto M, Merlo M, Pareek N, Giacca M, Sinagra G, McDonagh T, **Cannata A**. *Cardiovascular Damage in COVID-19: What We Know Two Years Later*. **Curr Cardiovasc Reports.** 2022;**24(9):1085-1091**

38. **Cannata A**, Bromage D, McDonagh T. *COVID and heart failure: the dark side of the moon*. **Eur J Heart Failure**. 2022;24(6):1129-1131
39. Porcari A, Merlo M, Baggio C, Gagno G, Cittar M, Barbati G, Paldino A, Castrichini M, Vitrella G, Pagnan L, **Cannatà A**, Andreis A, Cecere A, Cipriani A, Raafs A, Bromage D, Rosmini S, Scott P, Sado D, Di Bella G, Nucifora G, Perazzolo Marra M, Heymans S, Imazio M, Sinagra G. *Global Longitudinal Strain by Feature Tracking Analysis Improves Prognostic Stratification in Acute Myocarditis with Normal Ejection Fraction*. **Eur J Clin Invest**. 2022;52(10):e13815
40. Manca P, Stolfo D, Merlo M, Gregorio C, **Cannata A**, Ramani F, Nuzzi V, Lund L, Savarese G, Sinagra G. *Persistent vs transient normalization of left ventricular ejection fraction in patients with non-ischemic dilated cardiomyopathy*. **Eur J Heart Failure**. 2022;24(7):1171-1179
41. Manca P, Nuzzi V, **Cannatà A**, Castrichini M, Bromage D, De Luca A, Stolfo D, Schulz U, Merlo M, Sinagra G. *The Right Ventricle in Dilated Cardiomyopathy: Prevalence and prognostic implications of the often-neglected child*. **Heart Failure Reviews**. 2022;27(5):1795-1805
42. Sinagra G, Pagura L, Radesich C, Gagno G, **Cannata' A**, Barbisan D, Cittar M, Paldino A, Perotto M, Mase' M, Dal Ferro M, Mazzaro E, Merlo M. *Cardiology of the future: xenotransplantation with porcine heart*. **Eur Heart J Suppl**. 2022 12;24:I160-I164
43. Cervantes D, Pizzo E, Ketkar H, Parambath S, Tang S, Cianflone E, **Cannata A**, Vinukonda G, Jain S, Jacobson J, Rota M. *Scn1b Expression in the Adult Mouse Heart Modulates Na⁺ Influx in Myocytes and Reveals a Mechanistic Link between Na⁺ Entry and Diastolic Function*. **Am J Physiology: Heart and Circ Physiology**. 2022;322:H975-H993
44. Bromage D, Pareek N, **Cannata A**, Ameri P. *Targeting inflammation after myocardial infarction – another piece of the puzzle*. **Journal of Cardiovascular Pharmacology**. 2022;79(6):769-771
45. Godec TR, Bromage D, Pujades-Rodriguez M, **Cannatà A**, Gonzalez-Izquierdo A, Denaxas S, Hemingway H, Shah A, Yellon D, McDonagh T. *Cardiovascular outcomes associated with treatment of type 2 diabetes in patients with ischaemic heart failure: a population-based linked electronic health record cohort study*. **ESC Heart Failure**. 2022;9:1608-1615
46. Ammirati A, Lupi L, Palazzini M, Hendren N, Grodin J, Cannistraci C, Schmidt M, Hekimian G, Peretto G, Bochaton T, Hayek A, Piriou N, Leonardi S, Guida S, Sala S, Uribarri AV, de Heyning C, Mapelli M, Campodonico J, Pedrotti P, Barrionuevo Sánchez M, Ariza Sole A, Marini M, Matassini M, **Cannatà A**, Bromage D, Briguglia D, Salamanca Vilorio J, Diez-Villanueva P, Lehtonen J, Huang G, Russel S, Soriano F, Turrini F, Cipriani M, Bramerio M, Di Pasquale M, Grosu A, Senni M, Farina D, Agostoni P, Rizzo S, De Gaspari M, Marzo F, Duran J, Adler E, Giannattasio C, Basso C, McDonagh T, Camici P, de Lemos J, Metra M. *Prevalence, Characteristics, and Outcomes of COVID-19 Associated Acute Myocarditis*. **Circulation**. 2022;145:1123-1139
47. **Cannata A***, Rind I*, McDonough B, Cassimon B, Bannister C, Scott PA, Piper S, Bromage D, McDonagh T. *Patients hospitalized with heart failure across different waves of the COVID-19 pandemic show consistent clinical characteristics and outcomes*. **International Journal of Cardiology**. 2022;350:125-129
48. Khan P, Gopinath B, Jahagirdar N, Laybourn M, **Cannatà A**, Bromage D, Murgatroyd F, Scott P. *Improving Adoption of Evidence-Based Implantable Cardioverter Defibrillator Programming – A single centre experience*. **Heart Rhythm**. 2022;19(6):1011-1012
49. Bannister C, **Cannata A**, Bromage D, McDonagh T. *Cardiotoxicity of Chemotherapeutic Drugs: An Update and Future Perspectives*. **Journal of Cardiovascular Pharmacology**. 2022;80(4):502-514
50. Sarma D, Pareek N, Kanyal R, **Cannata A**, Dworakowski R, Webb I, Barash J, Emezu G, Melikian N, Hill J, Shah A, MacCarthy P, Byrne J. *Clinical Significance of Early Echocardiographic Changes after Resuscitated Out-of-Hospital Cardiac Arrest*. **Resuscitation**. 2022;172:117-126
51. Holm N, Bromage D, **Cannata A**, DeCoursey J, Bhatti P, Huang M, McDonagh T. *Association between Ethnicity and Degree of Improvement in Cardiac Function Following Initiation of Sacubitril/Valsartan*. **Journal of Cardiovascular Medicine**. 2022;23:37-41
52. Manca P, Nuzzi V, **Cannatà A**, Merlo M, Sinagra G. *Contemporary etiology and prognosis of dilated non-ischemic cardiomyopathy*. **Minerva Cardiology & Angiology**. 2022;70:171-188
53. Tini G, **Cannatà A**, Canepa M, Masci PG, Pardini M, Giacca M, Sinagra G, Marchionni N, Del Monte F, Udelson JE, Olivetto I. *Is heart failure with preserved ejection fraction a 'dementia' of the heart?* **Heart Fail Rev**. 2022;27:587-594
54. Anton-Vazquez V, Dworakowski R, **Cannata A**, Amin-Youssef G, Gunning M, Papachristidis A, MacCarthy P, Baghai M, Deshpande R, Khan H, Byrne J, Fife A. *16S rDNA PCR for the aetiological diagnosis of culture-negative infective endocarditis*. **Infection**. 2022;50:243-249
55. **Cannata A**, Watson SA, Daniel A, Giacca M, Shah AM, McDonagh T, Scott PA, Bromage DI. *Impact of the COVID-19 pandemic on in-hospital mortality in cardiovascular disease: a meta-analysis*. **European Journal of Preventive Cardiology**. 2022;29(8):1266-1274

56. Anton-Vazquez V, **Cannata A**, Watson S, Mulholland N, Amin-Youssef G, Fife A, Gunning M, Papachristids A, MacCarthy P, Baghai M, Deshpande R, Khan H, Byrne J, Dworakowski R. *Diagnostic value of 18F-FDG PET/CT in infective endocarditis. Clinical Research in Cardiology.* **2022;111(6):673-679**
57. Khan P, Jahagirdar N, Laybourn M, Harding I, **Cannatà A**, Bromage DI, Shabeeh H, Kabunga P, Petzer E, Murgatroyd F, Scott PA. *Generic ICD Programming and Outcomes. Pacing and Clinical Electrophysiology.* **2021;44:1195-2004**
58. Ta Anyu A, Badawy L, **Cannata A**, Bromage DI, Rind IA, Albarjas M, Piper S, Shah AM, McDonagh TA. *Long-term outcomes after heart failure hospitalisation during the COVID-19 pandemic from two London referral centres. ESC Heart Failure.* **2021;8:4701-4704**
59. Zaffalon D, Pagura L, **Cannatà A**, Barbati G, Caterina C, Finocchiaro G, Vitali Serdoz L, Zecchin M, Merlo M, Sinagra G. *Supraventricular Tachycardia Causing Left Ventricular Dysfunction. The American Journal of Cardiology,* **2021;159:72-78**
60. Bleakley C, de Marvao A, Morosin M, Androulakis E, Russell C, Athayde A, **Cannata A**, Passariello M, Ledot S, Singh S, Pepper J, Hill J, Cowie M, Price S. *Utility of echocardiographic right ventricular subcostal strain in critical care. European Heart Journal - Cardiovascular Imaging,* **2021;jeab105.**
61. Gentile P, Merlo M, Peretto G, Ammirati E, Sala S, Della Bella P, Aquaro GD, Imazio M, Potena L, Campodonico J, Foà A, Raafs A, Hazebroek M, Brambatti M, Cernek A, Nucifora G, Shrivastava S, Huang F, Schmidt M, Muser D, Van de Heyning G, Van Craenenbroeck E, Aokis T, Sugimuras K, Hs S, **Cannatà A**, Artico J, Porcari A, Colopi M, Perkan A, Bussani R, Barbati G, Garascia A, Cipriani M, Agostoni PG, Pereira N, Heymans S, Adler E, Camici PG, Frigerio M, Sinagra G. *Post-discharge arrhythmic risk stratification of patients with acute myocarditis and life-threatening ventricular tachyarrhythmias. Eur J Heart Failure.* **2021;23:2045-205**
62. Manca P, **Cannatà A**, Nuzzi V, Bromage DI, Varrà G, Rossi M, Dal Ferro M, Paldino A, Gigli A, Barbati G, Ramani F, Pinamonti B, Stolfo D, Porcu M, Mestroni L, Merlo M, Sinagra G. *Prevalence and evolution of right ventricular dysfunction among different genetic backgrounds in dilated cardiomyopathy. Canadian Journal of Cardiology.* **2021;37:1743-1750**
63. Braga L, Ali H, Secco I, Chiavacci E, Neves G, Goldhill D, Penn R, Jimenez-Guardeño JM, Ortega-Prieto AM, Bussani R, **Cannatà A**, Rizzari G, Collesi C, Schneider E, Arosio D, Shah AM, Barclay WS, Malim MM, Burrone J, Giacca M. *Drugs that inhibit TMEM16 proteins block SARS-CoV-2 Spike-induced syncytia. Nature.* **2021;594:88-93**
64. **Cannata A**, Bromage DI, McDonagh TA. *The cardiovascular collateral damage of COVID-19: only history will reveal the depth of the iceberg. European Heart Journal.* **2021;42:1524-1527**
65. Paldino A, De Angelis G, Dal Ferro M, Faganello G, Porcari A, Barbati G, Korcova R, Gentile P, Artico J, **Cannatà A**, Gigli M, Pinamonti B, Merlo M, Sinagra G. *High prevalence of subtle systolic and diastolic dysfunction in genotype-positive phenotype-negative relatives of dilated cardiomyopathy patients. Int J Cardiol.* **2021;324:108-114.**
66. Mauro AG, Bonaventura A, Vecchié A, Mezzaroma E, Carbone S, Narayan P, Potere N, **Cannatà A**, Paolini JF, Bussani R, Montecucco F, Sinagra G, Van Tassel BW, Abbate A, Toldo S. *The Role of NLRP3 Inflammasome in Pericarditis: Potential for Therapeutic Approaches. JACC Basic Transl Sci.* **2021;6:137-150.**
67. Artico J, Merlo M, Asher C, **Cannatà A**, Masci PG, De Lazzari M, Pica S, De Angelis G, Porcari A, Vitrella G, De Luca A, Belgrano M, Pagnan L, Chiribiri A, Perazzolo Marra M, Sinagra G, Nucifora G, Lombardi M, Carr-White G. *The Alcohol-induced cardiomyopathy: a Cardiovascular Magnetic Resonance characterization. International Journal of Cardiology.* **2021;331:131-137**
68. **Cannata A**, Pareek N, Cannata S, Emmanuel Y, Piper S, Dworakowski R, Austin C, MacCarthy P. *Out of hospital cardiac arrest caused by ALCAPA syndrome in adulthood. European Heart Journal.* **2021;42:1118.**
69. Bleakley C, Singh S, de Marvao A, Morosin M, Androulakis E, **Cannata A**, Price S. *Reply to: RV dysfunction in Covid-19 ARDS: Is there a difference in the impact of mechanical ventilation and ECMO? Int J Cardiol.* **2021 Feb 22;S0167-5273(21)00362**
70. Toldo S, Bussani R, Nuzzi V, Bonaventura A, Mauro AG, **Cannatà A**, Pillappa R, Sinagra G, Nana-Sinkam P, Sime P, Abbate A. *Inflammasome Formation in The Lungs Of Patients With Fatal Covid-19 Inflammation Research.* **2021;70:7-10**
71. Accardo A, Merlo M, Silveri G, Del Popolo L, Dalla Libera L, Restivo L, Cinquetti M, **Cannatà A**, Sinagra G. *Influence of ageing on circadian rhythm of heart rate variability in healthy subjects. J Cardiovasc Med.* **2021;22:405-413**
72. Paldino A, De Angelis G, Dal Ferro M, Faganello G, Porcari A, Barbati G, Korcova R, Gentile P, Artico J, **Cannatà A**, Gigli M, Pinamonti B, Merlo M, Sinagra G. *Unexpected prevalence of subtle systolic and diastolic dysfunction in genotype-positive phenotype-negative relatives of DCM patients. International Journal of Cardiology.* **2021;324:108-114**
73. Nuzzi V, **Cannatà A**, Manca P, Castrichini M, Barbati G, Aleksova A, Fabris E, Zecchin M, Merlo M, Boriani G, Sinagra G. *Atrial fibrillation in dilated cardiomyopathy: outcome prediction from an observational Registry. International Journal of Cardiology.* **2021;323:140-147**

74. **Cannata A**, Bromage D, Rind I, Gregorio C, Bannister C, Albarjas M, Piper S, Shah AM, McDonagh T. *Temporal trends in decompensated heart failure and outcomes during COVID-19: A multisite report from heart failure referral centres in London.* **Eur J Heart Failure.** 2020;22:2219-2224
75. Gallego-Colon E, Bonaventura A, Vecchiè A, **Cannatà A**, Martin Fitzpatrick C. *Cardiology on the cutting edge: updates from the European Society of Cardiology (ESC) Congress 2020* **BMC Cardiovasc Disord.** 2020;20:448
76. Merlo M, **Cannata A**, Sinagra G. *Dilated Cardiomyopathy: A Paradigm of Revolution in Medicine.* **J. Clin. Med.** 2020;9:3385
77. **Cannata A**, Manca P, Nuzzi V, Gregorio C, Artico J, Gentile P, Pio Loco C, Ramani F, Barbati G, Merlo M, Sinagra G. *Sex-Specific Prognostic Implications in Dilated Cardiomyopathy After Left Ventricular Reverse Remodeling.* **J. Clin. Med.** 2020;9:2426
78. **Cannata A***, Bromage D*, Rind I, Gregorio C, Piper S, Shah AM, McDonagh T. *The impact of COVID-19 on heart failure hospitalization and management: report from a Heart Failure Unit in London during the peak of the pandemic.* **Eur J Heart Fail.** 2020;22:978-984
79. **Cannatà A***, Merlo M*, Pio Loco C, Stolfo D, Barbati G, Artico J, Gentile P, De Paris V, Ramani F, Zecchin M, Gigli M, Pinamonti B, Korcova R, Di Lenarda A, Giacca M, Mestroni L, Camici PG, Sinagra G. *Contemporary Survival Trends and etiological characterization in non-ischemic Dilated Cardiomyopathy.* **Eur J Heart Fail.** 2020;22:1111-1121
80. **Cannata A**, Bromage D, McDonagh T. *Cardiology after COVID-19: Quo Vademus?* **Eur Heart J Qual Care Clin Outcomes.**2020;6:208-209
81. Gortan Cappellari G, Aleksova A, Dal Ferro M, **Cannatà A**, Semolic A, Zanetti M, Springer J, Anker S, Giacca M, Sinagra G, Barazzoni R. *Preserved skeletal muscle mitochondrial function, redox state, inflammation and mass in obese mice with chronic heart failure.* **Nutrients.** 2020;12:3393
82. Artico J, Merlo M, Delcaro G, **Cannata' A**, Gentile P, De Angelis G, Paldino A, Bussani R, Dal Ferro M, Sinagra G. *Lymphocytic Myocarditis: a genetically predisposed disease?* **J Am Coll Cardiol.** 2020;75:3098-3100
83. **Cannata A**, Ali H, Sinagra G, Giacca M. *Gene therapy for the heart: lessons learned and future perspectives,* **Circ. Res.** 2020;126:1394–1414
84. Zacchigna S, Paldino A, Falcão-Pires I, Daskalopoulos EP, Dal Ferro M, Vodret M, Lesizza P, **Cannatà A**, on behalf of the Working Group on Myocardial Function of the European Society of Cardiology. *Toward standardization of echocardiography to evaluate left ventricular function in rodents: a position paper of the ESC Working Group on Myocardial Function.* **Cardiovascular Research.** 2020;117:43-59
85. Merlo M, Masè M, **Cannatà A**, Zaffalon D, Lardieri G, Limongelli G, Imazio M, Canepa M, Castelletti S, Bauce B, Biagini E, Livi U, Severini GM, Dal Ferro M, Perazzolo Marra M, Basso C, Autore C, Sinagra G, on behalf of the working group on Myocardial and Pericardial Disease of the Italian Society of Cardiology. *Management of non-ischemic dilated cardiomyopathies in clinical practice.* **Journal of Cardiovascular Medicine.** 2020;21:927-943
86. **Cannata' A**, De Angelis G, Boscutti A, Normand C, Artico J, Gentile P, Zecchin M, Heymans S, Merlo M, Sinagra G. *Arrhythmic risk stratification in non-ischaemic dilated cardiomyopathy: beyond ejection fraction.* **Heart.** 2020;106:656-664.
87. **Cannatà A**, Gentile P, Paldino A, Nuzzi V, Camparini L, Ciucci G, Manca P, Artico J, Dal Ferro M, Marcon G, Tettamanti M, Merlo M, Sinagra G, Loffredo FS. *Echocardiographic evaluation of centenarians in Trieste.* **Journal of Cardiovascular Medicine.** 2020;21:556-561
88. Merlo M, Gentile P, Ballaben A, Artico J, Castrichini M, Porcari A, **Cannatà A**, Perkan A, Bussani R, Sinagra G. *Acute inflammatory cardiomyopathy: apparent neutral prognostic impact of immunosuppressive therapy.* **Eur J Heart Fail.** 2020;22:1280-1282
89. **Cannata A**, Fabris E, Merlo M, Artico J, Gentile P, Pio Loco C, Ballaben A, Ramani F, Barbati G, Sinagra G. *Sex differences in the long-term prognosis of Dilated Cardiomyopathy.* **Canadian Journal of Cardiology.** 2020;36(1):37-44
90. De Bellis A, De Angelis G, **Cannatà A**, Fabris E, Merlo M, Sinagra G. *Gender-related differences in heart failure: beyond the “one-size-fits-all” paradigm.* **Heart Failure Reviews** 2020.25:245-255
91. Gentile P, Merlo M, **Cannatà A**, Gobbo M, Artico J, Stolfo D, Gigli M, Ramani F, Barbati G, Pinamonti B, Sinagra G. *Dilated Cardiomyopathy with Mid-Range Ejection Fraction at Diagnosis: Characterization and Natural History.* **J Am Heart Assoc.** 2019;8:e010705.
92. Artico J, Ceolin R, Franco S, Paldino A, Biondi F, Barbati G, Gentile P, **Cannatà A**, Zecchin M, Carriere C, Merlo M, Sinagra G. *ICD replacement in patients with intermediate left ventricular dysfunction under optimal medical treatment.* **International Journal of Cardiology.** 2019;293:119-124

93. Artico J, Zecchin M, Zorzin Fantasia A, Skerl G, Ortis B, Franco S, Albani S, Barbati G, Cristallini J, **Cannata' A**, Sinagra G. *Long-term patient satisfaction with implanted device remote monitoring: a comparison among different systems.* **Journal of Cardiovascular Medicine.** 2019;20(8):542-550
94. **Cannata' A**, Artico J, Gentile P, Merlo M, Sinagra G. *Myocarditis evolving in cardiomyopathy: when genetics and offending causes work together.* **Eur Heart J Suppl.** 2019;21:B90–B95
95. Merlo M, Gentile P, Artico J, **Cannatà A**, Paldino A, De Angelis G, Barbati G, Alonge M, Gigli M, Pinamonti B, Ramani F, Zecchin M, Pirozzi F, Stolfo D, Sinagra G. *Arrhythmic risk stratification in patients with dilated cardiomyopathy and intermediate left ventricular dysfunction.* **Journal of Cardiovascular Medicine.** 2019;20(5):343-350
96. Merlo M, Ammirati E, Gentile P, Artico J, **Cannatà A**, Finocchiaro G, Barbati G, Sormani P, Varrenti M, Perkan A, Fabris E, Aleksova A, Bussani R, Petrella D, Cipriani M, Raineri C, Frigerio M, Sinagra G. *Persistent left ventricular dysfunction after acute lymphocytic myocarditis: frequency and predictors.* **PlosOne.** 2019; 14(3):e0214616
97. Porcari A, De Angelis G, Romani S, Paldino A, Artico J, **Cannatà A**, Gentile P, Pinamonti B, Merlo M, Sinagra G. *Current diagnostic strategies for dilated cardiomyopathy: a comparison of imaging techniques.* **Expert Rev Cardiovasc Ther.** 2019; (1):53-63
98. Gentile P, Paldino A, **Cannatà A**, Artico J, Barbati G, Ramani F, Fabris E, Aleksova A, Stolfo D, Zecchin M, Merlo M, Sinagra G. *Left bundle branch block in dilated cardiomyopathy with intermediate left ventricular dysfunction: Clinical phenotyping and outcome correlates.* **International Journal of Cardiology.** 2018; 278:180-185
99. Sinagra G, Merlo M, **Cannata' A**. *Gender medicine in Dilated Cardiomyopathy: Pride and Prejudice.* **Eur J Heart Fail.** 2018;20(10):1401-1403
100. **Cannata' A**, Merlo M, Artico J, Gentile P, Camparini L, Cristallini J, Porcari A, Loffredo FS, Sinagra G. *Cardiovascular Aging: the unveiled enigma from bench to bedside.* **Journal of Cardiovascular Medicine.** 2018;19(10):517-526
101. Carriere C, Stolfo D, Baglio V, Gerloni R, Merlo M, Bargati G, **Cannatà A**, Biolo G, Sinagra G. *Outcome of the multidimensional prognostic index in ultraoctogenarians patients hospitalized for cardiovascular diseases.* **Journal of Cardiovascular Medicine.** 2018;19(10):536-545
102. Merlo M, **Cannatà A**, Gobbo M, Stolfo D, Elliott PM, Sinagra G. *Evolving concepts in dilated cardiomyopathy.* **Eur J Heart Fail.** 2018;20(2):228-239.
103. Zecchin M, Artico J, Morea G, Severgnini M, Bianco E, De Luca A, Zorzin Fantasia A, Salvatore L, Milan V, Lucarelli M, Dissegna R, **Cannata' A**, Sinagra G. *Radiotherapy and risk of ICD malfunctions: experimental data from direct exposure at increasing doses.* **Journal of Cardiovascular Medicine.** 2018;19(4):155-160
104. Czarna A, Sanada F, Matsuda A, Kim J, Signore S, Pereira JD, Sorrentino A, Kannappan R, **Cannatà A**, Hosoda T, Rota M, Crea F, Anversa P, Leri A. *Single-cell analysis of the fate of c-kit-positive bone marrow cells.* **Nature PJ Regenerative Medicine,** 2017.16;2:27.
105. Cimini M, **Cannatà A**, Pasquinelli G, Rota M, Goichberg P. *Phenotypically heterogeneous podoplanin-expressing cell populations are associated with the lymphatic vessel growth and fibrogenic responses in the acutely and chronically infarcted myocardium.* **PLoS One.** 2017 Mar 23;12(3):e0173927
106. **Cannata' A**, Marcon G, Cimmino G, Camparini L, Ciucci G, Sinagra G, Loffredo FS. *Circulating Factors in Cardiac Aging.* **Journal of Thoracic Disease.** 2017;9:S17-S29
107. Gatti G, Benussi B, Gripshi F, Della Mattia A, Proclemer A, **Cannatà A**, Dreas L, Luzzati R, Sinagra G, Pappalardo A. *A risk factor analysis for in-hospital mortality after surgery for infective endocarditis and a proposal of a new predictive scoring system.* **Infection.** 2017;45(4):413-423
108. Sorrentino A, Borghetti G, Zhou Y, **Cannata A**, Meo M, Signore S, Anversa P, Leri A, Goichberg P, Qanud K, Jacobson JT, Hintze TH, Rota M. *Hyperglycemia Induces Defective Ca²⁺ Homeostasis in Cardiomyocytes.* **Am J Physiol Heart Circ Physiol.** 2017;312(1):H150-H161.
109. Sinagra G, Iorio A, Merlo M, **Cannatà A**, Stolfo D, Zambon E, Di Nora C, Paolillo S, Barbati G, Berton E, Carriere C, Magri D, Cattadori G, Confalonieri M, Di Lenarda A, Agostoni P. *Prognostic value of cardiopulmonary exercise testing in Idiopathic Dilated Cardiomyopathy.* **Int J Cardiol.** 2016 Nov 15;223:596-603
110. **Cannatà A**, Camparini L, Sinagra G, Giacca M, Loffredo FS. *Pathways for salvage and protection of the heart under stress: novel routes for cardiac rejuvenation.* **Cardiovasc Res.** 2016 Jul 15;111(2):142-53

111. Meo M, Meste O, Signore S, Sorrentino A, **Cannata A**, Zhou Y, Matsuda A, Luciani M, Kannappan R, Goichberg P, Leri A, Anversa P, Rota M. *Reduction in Kv Current Enhances the Temporal Dispersion of the Action Potential in Diabetic Myocytes: Insights From a Novel Repolarization Algorithm*. **J Am Heart Assoc**. 2016 Feb 19;5(2). pii: e003078
112. Sorrentino A, Signore S, Qanud K, Borghetti G, Meo M, **Cannata A**, Zhou Y, Wybieralska E, Luciani M, Kannappan R, Zhang E, Matsuda A, Webster A, Cimini M, Kertowidjojo E, D'Alessandro D, Wunimenghe O, Michler R, Royer C, Goichberg P, Leri A, Barrett E, Anversa P, Hintze T, Rota M. *Myocyte repolarization modulates myocardial function in aging dogs*. **Am J Physiol Heart Circ Physiol**. 2016 Apr 1;310(7):H873-90
113. Merlo M, **Cannatà A**, Vitagliano A, Zambon E, Lardieri G, Sinagra G. *Clinical management of dilated cardiomyopathy current knowledge and future perspectives*. **Expert Rev Cardiovasc Ther** 2015;14:1-4
114. Signore S, Sorrentino A, Borghetti G, **Cannata A**, Meo M, Zhou Y, Kannappan R, Pasqualini F, O'Malley H, Sundman M, Tsigkas N, Zhang E, Arranto C, Mangiaracina C, Isobe K, Sena B, Kim J, Goichberg P, Nahrendorf M, Isom L, Leri A, Anversa P, Rota M. *Late Na⁺ current and protracted electrical recovery are critical determinants of the aging myopathy*. **Nat Commun**. 2015 Nov 6;6:8803
115. Patti G, Mangiacapra F, Ricottini E, **Cannatà A**, Cavallari I, Vizzi V, D'Ambrosio A, Dicuonzo G, Di Sciascio G. *Correlation of platelet reactivity and C-reactive protein levels to occurrence of peri-procedural myocardial infarction in patients undergoing percutaneous coronary intervention (from the ARMYDA-CRP study)*. **Am J Cardiol**. 2013 Jun 15;111(12):1739-44

Books

Editor of Books:

Sinagra G, Bussani R, **Cannata' A**. eds.: Atlas of Endocarditis: a clinical and pathological approach. Il Pensiero Scientifico. September 2016.

Chapter in books:

In: *Atlas of Endocarditis: a clinical and pathological approach*. Sinagra G, Bussani R, **Cannata' A**. eds. Il pensiero Scientifico. 2016: Chapter 2: Definitions, epidemiology and predisposing factors. Chapter 4: Pathogenesis. Chapter 6: Clinical features. Chapter 8: Prevention and risk stratification. Chapter 9: Complications.

In: *Encyclopedia of Cardiovascular Research and Medicine*. Elsevier, 2017. Myocarditis in Heart Failure.

In: *Pain Imaging - A clinical-radiological approach to pain diagnosis*. Springer 2018. Cova MA, Stacul eds. Thoracic pain: clinical features

In: *Myocarditis - Pathogenesis, diagnosis and treatment*. Springer 2019. Caforio A eds. Conventional cardiological therapies.

In: *Dilated Cardiomyopathy - From Genetics to Clinical Management*. Springer 2019. Sinagra G, Merlo M, Pinamonti B eds. Chapter 1. Historical Terminology, Classifications, and Present Definition of DCM. Chapter 12: Prognostic Stratification and Importance of Follow-Up. Chapter 14. Unresolved Issues and Future Perspectives.

PRESENTATIONS

I have delivered several international and national presentations, including oral presentations at the European Society of Cardiology, Heart Failure Association Meeting, Italian Society of Cardiology, British Society for Heart Failure, and British Cardiovascular Society.

Specifically, I have been an invited speaker at the following meetings:

05/2024	Heart Failure Association – ESC	<i>Myocarditis: Challenges in diagnosis and risk stratification</i>
05/2024	Heart Failure Association – ESC	<i>Patient profiling: the new ejection fraction?</i>
05/2024	European Society of Cardiology	<i>#HF Awareness day</i>
01/2024	Karolinska Institutet	<i>The evidence behind the Heart Failure guidelines</i>
11/2023	HFA Course in Clinical Trials	<i>Clinical Trial Phases</i>
09/2023	Italian Society of Cardiology	<i>Essential aspects of medical statistics</i>
06/2023	British Society of Cardiology	<i>Top 10 trials – STRONG-HF</i>
05/2023	Heart Failure Association – ESC	<i>Diuretic Regimens for decompensated heart failure</i>

05/2023	British Society for Heart Failure	<i>Patient profiling, the new EF?</i>
12/2022	83 rd Italian society of Cardiology	<i>How to read, interpret and criticize a Randomized Clinical Trial.</i>
09/2022	Ceylon College of Physician	<i>The Acute Battle. Management of Acute Heart Failure</i>
09/2022	27 th Congress of Clinical Cardiology	<i>Gene and environment interaction in cardiomyopathies.</i>
09/2022	56 th Rovelli Congress of Cardiology	<i>Cardiomyopathies and Genetics. Focus on new forms.</i>
07/2022	St George's University	<i>Dilated Cardiomyopathies. A dive into the non-ischaemic world</i>
06/2022	ESC Webinar Series	<i>HF: understanding the evidence behind the current guidelines.</i>
03/2020	University of Portsmouth, Hackathon	<i>The Heart.</i>
11/2019	Virginia Commonwealth University	<i>Electromechanics of the aging heart.</i>
11/2019	Virginia Commonwealth University	<i>Genetics and managements of Dilated Cardiomyopathy</i>
08/2018	ESC congress, Munich	<i>Controversies in NIDCM. Who needs genetic testing in NIDCM?</i>
10/2017	Careggi, University of Florence	<i>Electromechanical properties of the aging cardiomyopathy.</i>
02/2017	US imaging in cardiovascular medicine	<i>Assessment of cardiac function in aging cardiomyopathy.</i>
05/2012	Cardioncology Meetings, SIC	<i>Detection and prevention of cardiotoxicity of chemotherapy.</i>
11/2011	Italian Society of Cardiology	<i>Prevention of chemotherapy-induced cardiotoxicity</i>

Chairperson in national and international meetings. Oral presentations and abstract presentations at local, national, and international meetings (>50, details can be supplied)

MEMBERSHIP OF SPECIALIST SOCIETIES AND WORKING GROUPS

British Cardiovascular Society	(2022)
Fellow of the Heart Failure Association of the ESC	(2021)
Fellow of the Italian Society of Cardiology	(2021)
British Society of Heart Failure	(2020)
European Society of Cardiology Professional Membership	(2018)
ESC Working Group on Myocardial Function and Cellular Biology of the Heart	(2017)
ESC Working Group on Myocardial and Pericardial Diseases	(2017)
ESC Working Group on Cardiac Cellular Electrophysiology	(2017)
Heart Failure Association	(2016)
International CardioOncology Society	(2014)
American Heart Association	(2013)
European Society of Cardiology	(2011)
Italian Society of Cardiology	(2011)

AUDITS AND SERVICE DEVELOPMENT

I am regularly involved in clinical audit and service development projects recognising that they are key components of good clinical practice and governance.

Patient satisfaction with remote monitoring of implanted cardiac devices

I run in this audit demonstrating a great satisfaction level of patients with PM or ICDs that were being monitored remotely. This led to an increased use of remote monitoring for PM and ICDs, with less need for hospital monitoring.

Enhanced Cardiology Triage for the King's College Hospital

I run a service development project being responsible of triaging all primary care referrals to both general cardiology clinic and specialist clinics. I was the main port of call for the advice & guidance service for general cardiology. This project led to a significant reduction of inappropriate referral from the GP and a reduction of ~30% of the total number of referrals from the GPs seen in clinic. Furthermore, it enhanced the advice and guidance service of approximately one third of referrals being appropriately managed remotely. This led to a further reduction of inappropriate appointments and reduced the waiting list for general cardiology appointments. The project led to the appointment of a Full Time Band 6 Nurse at the King's College Hospital.

TEACHING

I have extensive experience in teaching and organizing teaching both in face to face as well as online teaching, both in the form of lessons, practical hands-on teaching, seminars and webinars

- Online webinars – podcast (European Society of Cardiology and Heart Failure Association)
- Teacher and tutor for medical students – King’s College Hospital
- Teaching (Heart Failure, Cardiomyopathies, ECG, valve disease, ischaemic heart disease) to SHOs.
- Echocardiography teacher to cardiology registrars (TTE, TOE and stress echocardiography, both theory and practical sessions)
- ECG teaching to medical students (University of Trieste, 2012-2019 & University of Rome 2011-2012)
- Practical teaching sessions to medical students (University of Trieste, 2012 to 2019)
- Medical students teaching tutor (University of Trieste, 2012 to 2019)

LEADERSHIP AND MANAGEMENT EXPERIENCE

- Chair of the HFA Young Committee, Heart Failure Association, European Society of Cardiology
- Coordinator of the HFA Cardio Talk, monthly podcast of the HFA
- Coordination of the HFA Young Track for Young HF specialist
- Member of the European Society of Cardiology Young Professional Committee
- Coordinator of the International fellows in the Heart Failure Department King’s College Hospital
- Supervisor to 3x medical students for thesis preparation and discussion (University of Trieste)
- Dilated Cardiomyopathy Registry Coordinator and Lead (University of Trieste)
- Lead organizer and Scientific Committee for the following international events:
 - Heart Failure Association of the ESC Meeting, Lisbon 2024
 - Heart Failure. Clinical Profiling and therapeutic implementation 2022
 - Challenges in Cardiomyopathies 2021
 - Advances in Heart Failure, Cardiomyopathies and Pericardial Diseases 2017
- Leadership and Management for Healthcare Professionals course 2023
- Leadership course, New Generation leaders 2023

COMMITTEES

2023-2024	<i>Congress Scientific Committee</i>	Heart Failure Association
2022-2024	<i>HFA Board committee member</i>	Heart Failure Association
2022-2024	<i>Chair of the HFA Young Committee</i>	Heart Failure Association
2022-2025	<i>Vice-president, Section Triveneta,</i>	Italian Society of Cardiology
2022-2024	<i>Young CV Professional Committee,</i>	European Society of Cardiology
2022-2024	<i>Acute HF Committee,</i>	Heart Failure Association
2022-2024	<i>Task Force Committee on Cardiomyopathies,</i>	Heart Failure Association
2022-2024	<i>Communication Committee,</i>	Heart Failure Association
2022-2024	<i>Certification Committee,</i>	Heart Failure Association
2020-2022	<i>Heart failure specialist of Tomorrow Committee,</i>	Heart Failure Association
2019-2022	<i>Secretary, Section Triveneta,</i>	Italian Society of Cardiology

REFEREES

Professor Theresa McDonagh
 Dr Daniel Bromage
 Professor Mauro Giacca
 Professor Gianfranco Sinagra
 Professor Marco Merlo
 Professor Antonio Abbate