

Professor Theresa A McDonagh MD, FRCP, FESC

Qualifications. BSc (Hons) 1985, MB ChB (Hons) 1987, MD (Distinction) 1999. University of Edinburgh.

Current Appointment: Consultant Cardiologist, King's College Hospital, London and Professor of Heart Failure King's College, London (March 2011 onwards). Tenured

Previous Appointments: Consultant Cardiologist, Royal Brompton Hospital, London. (June 2004-Feb 2011) Clinical Lead for Heart Failure.

Senior Lecturer in Medical Cardiology (Honorary Consultant Cardiologist), University of Glasgow and Glasgow Royal Infirmary. (September 1999–May 2004).

European Society of Cardiology Committee Positions

Co-Chair of European Society of Cardiology (ESC) 2021 Heart Failure Guidelines and 2023 Focussed Update.

ESC Heart Failure Association Board Member (2010 -18) Chair of Clinical Section (2014-16)

Heart Failure Patient Care Committee Member (2006 onwards, Chair 2010-2014)

ESC Cardiology Congress Programme Committee Member(2004 -2008, 2010-2016)

ESC Congress Programme Committee 2022-24-Topic Coordinator for Heart Failure.

Clinical Practice and Guidelines Committee of the ESC (2008-12, 2016 -18)

National Committee Positions

British Society of Heart Failure Chair, 2009-2011, Past Chair 2011-13, Chair-Elect (2007-09), Treasurer (2003-7), Councillor (2001-3).

Clinical Lead for the National Heart Failure Audit (2008 to present)

Commission on Human Medicines Cardiovascular, Diabetes, Renal, Respiratory & Allergy Expert Advisory Group-Member

Membership of Grant Awarding Bodies

British Heart Foundation Project Grants Committee (2006 -10), European Commission FP7 Programme (2009 and 2010), German Federal Ministry Grants Committee 2010, Dutch Heart Foundation since 2018.

Involvement in International Clinical Trials in Heart Failure

Executive Steering Committee Member of CONFIRM-HF and AFFIRM-HF, VICI Trial, CPO study, Cardiovascular Steering Committee of the SUPREMO Trial, BNP sub-study of BEAUTIFUL Study International Steering Groups of I-PRESERVE, EMPHASIS and ASCEND.

Markers of National and International Esteem in Heart Failure

I have given over 250 invited talks at major National and International Cardiology and Heart Failure meetings

Books Edited

1. Oxford Textbooks in Cardiology: Heart Failure. McDonagh TA, Gardner RG, Clark AL, Dargie HJ. Oxford University Press 2011, 2nd Edition published May 2022.

2. Oxford Specialist Handbook of Heart failure. Authors/Editors: RS Gardner, TA McDonagh, NL Walker Oxford University Press ISBN-13: 978-0-19-920573-8. 2nd Edition published 2014

PUBLICATIONS : I have published extensively in Heart Failure with over 320 peer-reviewed publications in Pubmed. My h-index is 79. Below are thirty selected publications from the last ten years.

1: Viability and Outcomes With Revascularization or Medical Therapy in Ischemic Ventricular Dysfunction: A Prespecified Secondary Analysis of the REVIVED-BCIS2 Trial. Perera D, Ryan M, Morgan HP, Greenwood JP, Petrie MC, Dodd M, Weerackody R, O'Kane PD, Masci PG, Nazir MS, Papachristidis A, Chahal N, Khattar R, Ezad SM, Kapetanakis S, Dixon LJ, De Silva K, McDiarmid AK, Marber MS, **McDonagh T**, McCann GP, Clayton TC, Senior R, Chiribiri A; REVIVED-BCIS2 Investigators. JAMA Cardiol. 2023 Oct 25:e233803. doi: 10.1001/jamacardio.2023.3803. PMID: 37878295

2: 2023 Focused Update of the 2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. **McDonagh TA**, Metra M, Adamo M, Gardner RS, Baumbach A, Böhm M, Burri H, Butler J, Čelutkienė J, Chioncel O, Cleland JGF, Crespo-Leiro MG, Farmakis D, Gilard M, Heymans S, Hoes AW, Jaarsma T, Jankowska EA, Lainscak M, Lam CSP, Lyon AR, McMurray JVV, Mebazaa A, Mindham R, Muneretto C, Francesco Piepoli M, Price S, Rosano GMC, Ruschitzka F, Skibelund AK; ESC Scientific Document Group. Eur Heart J 2023;44(37):3627-3639. doi: 10.1093/eurheartj/ehad195. PMID: 37622666

3: 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 Aug;10(4):2648-2655. doi: 10.1002/ehf2.14440. PMID: 37357540; PMCID: PMC10375143

4: Shamsi A, Cannata A, Piper S, Bromage DI, **McDonagh TA**. Treatment of Iron Deficiency in Heart Failure. *Curr Cardiol Rep.* 2023 Jul;25(7):649-661. doi: 10.1007/s11886-023-01889-4. PMID: 37329419; PMCID: PMC10307722.

5: Jankowska EA, Andersson T, Kaiser-Albers C, Bozkurt B, Chioncel O, Coats AJS, Hill L, Koehler F, Lund LH, **McDonagh T**, Metra M, Mittmann C, Mullens W, Siebert U, Solomon SD, Volterrani M, McMurray JJV. Optimizing outcomes in heart failure: 2022 and beyond. *ESC Heart Fail.* 2023 Aug;10(4):2159-2169. doi: 10.1002/ehf2.14363. PMID: 37060168; PMCID: PMC10375115.

6: Coles B, Welch CA, Motiwale RS, Teece L, Oliver-Williams C, Weston C, de Belder MA, Lambert PC, Rutherford MJ, Paley L, Kadam UT, Lawson CA, Deanfield J, Peake MD, **McDonagh T**, Sweeting MJ, Adlam D; VICORI collaborative. Acute heart failure presentation, management, and outcomes in cancer patients: a national longitudinal study. *Eur Heart J Acute Cardiovasc Care.* 2023 May 4;12(5):315-327. doi: 10.1093/ehjacc/zuad020. PMID: 36888552; PMCID: PMC10156472

7: Rind IA, Cannata A, McDonagh B, Cassimon B, Bannister C, Scott PA, Piper S, Bromage DI, **McDonagh TA**. Patients hospitalised with heart failure across different waves of the COVID-19 pandemic show consistent clinical characteristics and outcomes. *Int J Cardiol.* 2022 Mar 1;350:125-129. doi:10.1016/j.ijcard.2021.12.042. Epub 2021 Dec 29. PMID: 34971665; PMCID: PMC8714242.

8: Tomasoni D, Fonarow GC, Adamo M, Anker SD, Butler J, Coats AJS, Filippatos G, Greene SJ, **McDonagh TA**, Ponikowski P, Rosano G, Seferovic P, Vaduganathan M, Voors AA, Metra M. Sodium-glucose co-transporter 2 inhibitors as an early, first-line therapy in patients with heart failure and reduced ejection fraction. *Eur J Heart Fail.* 2021 Dec 10. doi: 10.1002/ejhf.2397. Epub ahead of print. PMID: 34894038.

9: Holm N, Bromage DI, Cannata A, DeCoursey J, Bhatti P, Huang M, **McDonagh TA**. Association between ethnicity and degree of improvement in cardiac function following initiation of sacubitril/valsartan. *J Cardiovasc Med (Hagerstown).* 2022;23:37-41. doi:10.2459/JCM.0000000000001268. PMID: 34632983.

11: 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 hospitalization during the COVID-19 pandemic: a multisite report from heart failure referral centers in London. *ESC Heart Fail.* 2021;8:4701-4704. doi: 10.1002/ehf2.13579. PMID: 34477319.

12: Cannata A, Watson SA, Daniel A, Giacca M, Shah AM, **McDonagh TA**, Scott PA, Bromage DI. Impact of the COVID-19 pandemic on in-hospital mortality in cardiovascular disease: a meta-analysis. *Eur J Prev Cardiol.* 2021 Jul 23;zwab119. doi: 10.1093/eurjpc/zwab119. Epub ahead of print. PMID: 34297822;

13: Lewis GA, Dodd S, Clayton D, Bedson E, Eccleson H, Schelbert EB, Naish JH, Jimenez BD, Williams SG, Cunnington C, Ahmed FZ, Cooper A, Rajavarma Viswesvaraiyah, Russell S, **McDonagh T**, Williamson PR, Miller CA. Pirfenidone in heart failure with preserved ejection fraction: a randomized phase 2 trial. *Nat Med.* 2021;27:1477-1482. doi:10.1038/s41591-021-01452-0. PMID: 34385704.

14: **McDonagh TA**, Metra M, Adamo M, Gardner RS, Baumbach A, Böhm M, Burri H, Butler J, Čelutkienė J, Chioncel O, Cleland JGF, Coats AJS, Crespo-Leiro MG, Farmakis D, Gilard M, Heymans S, Hoes AW, Jaarsma T, Jankowska EA, Lainscak M, Lam CSP, Lyon AR, McMurray JJV, Mebazaa A, Mindham R, Muneretto C, Francesco Piepoli M, Price S, Rosano GMC, Ruschitzka F, Kathrine Skibelund A; ESC Scientific Document Group. 2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. *Eur Heart J.* 2021 Sep 21;42(36):3599-3726. doi: 10.1093/eurheartj/ehab368. PMID:34447992.

15: Cannata 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 DI, Jirikowic J, Abbate A, Goodwin A, Rao K, Marawan A, Carr-White G, Robert L, Parikh V, Ashley E, **McDonagh T**, Lakdawala NK, Fatkin D, Taylor MRG, Mestroni L, Sinagra G. Association of Titin Variations With Late-Onset Dilated Cardiomyopathy. *JAMA Cardiol.* 2022 Feb 9:e215890. doi: 10.1001/jamacardio.2021.5890. PMID: 35138330; PMCID: PMC8829739.

16: Lewis GA, Rosala-Hallas A, Dodd S, Schelbert EB, Williams SG, Cunnington C, **McDonagh T**, Miller CA. Predictors of myocardial fibrosis and response to anti-fibrotic therapy in heart failure with preserved ejection

fraction. *Int J Cardiovasc Imaging*. 2022 Feb 9. doi: 10.1007/s10554-022-02544-9. Epub ahead of print. PMID: 35138474.

17: Cannatà A, Bromage DI, **McDonagh TA**. The collateral cardiovascular damage of COVID-19: only history will reveal the depth of the iceberg. *Eur Heart J*. 2021 Feb 24;ehab097. doi: 10.1093/eurheartj/ehab097. PMID: 33624020.

18: Ponikowski P, Kirwan BA, Anker SD, **McDonagh T**, Dorobantu M, Drozd J, Fabien V, Filippatos G, Göhring UM, Keren A, Khintibidze I, Kragten H, Martinez FA, Metra M, Milicic D, Nicolau JC, Ohlsson M, Parkhomenko A, Pascual-Figal DA, Ruschitzka F, Sim D, Skouri H, van der Meer P, Lewis BS, Comin-Colet J, von Haehling S, Cohen-Solal A, Danchin N, Doehner W, Dargie HJ, Motro M, Butler J, Friede T, Jensen KH, Pocock S, Jankowska EA; AFFIRM-AHF investigators. Ferric carboxymaltose for iron deficiency at discharge after acute heart failure: a multicentre, double-blind, randomised, controlled trial. *Lancet*. 2020 Dec 12;396(10266):1895-1904. doi: 10.1016/S0140-6736(20)32339-4. Epub 2020 Nov 13. PMID: 33197395.

19: Cannatà A, Bromage DI, Rind IA, Gregorio C, Bannister C, Albarjas M, Piper S, Shah AM, **McDonagh TA**. Temporal trends in decompensated heart failure and outcomes during COVID-19: a multisite report from heart failure referral centres in London. *Eur J Heart Fail*. 2020 Aug 18;10.1002/ejhf.1986. doi: 0.1002/ejhf.1986. Epub ahead of print. PMID: 32809274

20: Bromage DI, Cannatà A, Rind IA, Gregorio C, Piper S, Shah AM, **McDonagh TA**. 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 Jun;22(6):978-984. doi: 10.1002/ejhf.1925. Epub 2020 Jul 4. PMID: 32478951;

21: Elliott P, Cowie MR, Franke J, Ziegler A, Antoniadou C, Bax J, Bucciarelli-Ducci C, Flachskampf FA, Hamm C, Jensen MT, Katus H, Maisel A, **McDonagh T**, Mittmann C, Muntendam P, Nagel E, Rosano G, Twerenbold R, Zannad F. Development, validation and implementation of biomarker testing in cardiovascular medicine state-of-the-art: Proceedings of the European Society of Cardiology - Cardiovascular Round Table. *Cardiovasc Res*. 2020 Sep 22;cvaa272. doi:10.1093/cvr/cvaa272. Epub ahead of print. PMID: 32960964.

22: Cannata A, Bromage DI, **McDonagh T**. Cardiology after COVID-19: Quo Vademus? *Eur Heart J Qual Care Clin Outcomes*. 2020 Jul 1;6(3):208-209. doi: 10.1093/ehjqcco/qcaa042. PMID: 32379892

23: Burns DJP, Arora J, Okunade O, Beltrame JF, Bernardez-Pereira S, Crespo-Leiro MG, Filippatos GS, Hardman S, Hoes AW, Hutchison S, Jessup M, Kinsella T, Knapton M, Lam CSP, Masoudi FA, McIntyre H, Mindham R, Morgan L, Otterspoor L, Parker V, Persson HE, Pinnock C, Reid CM, Riley J, Stevenson LW, **McDonagh TA**. International Consortium for Health Outcomes Measurement (ICHOM): Standardized Patient-Centered Outcomes Measurement Set for Heart Failure Patients. *JACC Heart Fail*. 2020 Mar;8(3):212-222. doi: 10.1016/j.jchf.2019.09.007. Epub 2019 Dec 11. PMID: 31838032; PMCID:

24: **McDonagh T**, Damy T, Doehner W, Lam CSP, Sindone A, van der Meer P, Cohen-Solal A, Kindermann I, Manito N, Pfister O, Pohjantähti-Maaroos H, Taylor J, Comin-Colet J. Screening, diagnosis and treatment of iron deficiency in chronic heart failure: putting the 2016 European Society of Cardiology heart failure guidelines into clinical practice. *Eur J Heart Fail*. 2018 Dec;20(12):1664-1672. doi: 10.1002/ejhf.1305. Epub 2018 Oct 12. PMID: 30311713; PMCID: PMC6607482.

25: Piper S, deCoursey J, Sherwood R, Amin-Youssef G, **McDonagh T**. Biologic Variability of Soluble ST2 in Patients With Stable Chronic Heart Failure and Implications for Monitoring. *Am J Cardiol*. 2016 Jul 1;118(1):95-8. doi: 10.1016/j.amjcard.2016.04.017. Epub 2016 Apr 21. PMID: 27189812.

26: Piper SE, de Coursey J, Sherwood RA, Amin-Youssef GF, **McDonagh TA**. Serial galectin-3 for the monitoring of optimally treated stable chronic heart failure: A pilot study. *Int J Cardiol*. 2016 Mar 15;207:279-81. doi: 10.1016/j.ijcard.2016.01.179. PMID: 26808993.

27: Piper S, **McDonagh T**. Heart failure and chemotherapeutic agents. *Future Cardiol*. 2015 Jul;11(4):453-70. doi: 10.2217/fca.15.28. PMID: 26234158.

28: Piper SE, Sherwood RA, Amin-Youssef GF, Shah AM, **McDonagh TA**. Serial soluble ST2 for the monitoring of pharmacologically optimised chronic stable heart failure. *Int J Cardiol*. 2015 Jan 15;178:284-91. doi: 10.1016/j.ijcard.2014.11.097. PMID: 25465308.

29: Ponikowski P, van Veldhuisen DJ, Comin-Colet J, Ertl G, Komajda M, Mareev V, **McDonagh T**, Parkhomenko A, Tavazzi L, Levesque V, Mori C, Roubert B, Filippatos G, Ruschitzka F, Anker SD; CONFIRM-HF Investigators. Beneficial effects of long-term intravenous iron therapy with ferric carboxymaltose in patients with symptomatic heart failure and iron deficiency†. *Eur Heart J*. 2015 36(11):657-68. doi: 10.1093/eurheartj/ehu385. PMID: 25176939

30: **McDonagh TA**, Gardner RS, Lainscak M, Nielsen OW, Parissis J, Filippatos G, Anker SD. Heart failure association of the European society of cardiology specialist heart failure curriculum. *Eur J Heart Fail*. 2014 16(2):151-62. doi: 10.1002/ejhf.41.. PMID: 24464608.

Grants in the last 5 years

1: The impact of COVID-19 on heart failure epidemiology and outcomes across primary and secondary care: a prospective population-based cohort study £269,551.53. 2021-24. **McDonagh TA**, Cannata A, Bromage D and Cleland J. BHF Clinical Research Training Fellowship, FS/CRTF/21/24175 (Lead Applicant)

2: BMA Foundation Trustees Josephine Lansdell Award 2022. **McDonagh TA** and Bannister C. An observational cohort study investigating novel biomarkers to detect anthracycline induced sub-clinical cardiotoxicity, £68,000. 2022-2025. (Lead Applicant)

3: BSH Fellowship (2023-25). M Sadler, D Bromage, L Quek and **T McDonagh**. Clonal Haematopoiesis and ventricular remodelling after myocardial infarction. £120,000.

4: REvascularisation for Ischaemic VEntricular Dysfunction (REVIVED): NIHR-£1,669,853.53. Divaka P, DeBelder M, O'Kane P, Carr-White G, Gershlick A, Petrie M, Sculpher P, Marber M, Redwood S, **McDonagh T**, Clayton T (Co-applicant).