

Anker SD, Butler J, Filippatos G, Ferreira JP, Bocchi E, Böhm M, Brunner-La Rocca HP, Choi DJ, Chopra V, Chuquiure-Valenzuela E, Giannetti N, Gomez-Mesa JE, Janssens S, Januzzi JL, Gonzalez-Juanatey JR, Merkely B, Nicholls SJ, Perrone SV, Piña IL, Ponikowski P, Senni M, Sim D, Spinar J, Squire I, Taddei S, Tsutsui H, Verma S, Vinereanu D, Zhang J, Carson P, Lam CSP, Marx N, Zeller C, Sattar N, Jamal W, Schnaidt S, Schnee JM, Brueckmann M, Pocock SJ, Zannad F, Packer M; EMPEROR-Preserved Trial Investigators. **Empagliflozin in Heart Failure with a Preserved Ejection Fraction.** N Engl J Med. 2021 Oct 14;385(16):1451-1461. doi: 10.1056/NEJMoa2107038. Epub 2021 Aug 27. PMID: 34449189.

Desch S, Freund A, Akin I, Behnes M, Preusch MR, Zelniker TA, Skurk C, Landmesser U, Graf T, Eitel I, Fuernau G, Haake H, Nordbeck P, Hammer F, Felix SB, Hassager C, Engstrøm T, Fichtlscherer S, Ledwoch J, Lenk K, Joner M, Steiner S, Liebetrau C, Voigt I, Zeymer U, Brand M, Schmitz R, Horstkotte J, Jacobshagen C, Pöss J, Abdel-Wahab M, Lurz P, Jobs A, de Waha-Thiele S, Olbrich D, Sandig F, König IR, Brett S, Vens M, Klinge K, Thiele H; TOMAHAWK Investigators. **Angiography after Out-of-Hospital Cardiac Arrest without ST-Segment Elevation.** N Engl J Med. 2021 Dec 30;385(27):2544-2553. doi: 10.1056/NEJMoa2101909. Epub 2021 Aug 29. PMID: 34459570.

Pfeffer MA, Claggett B, Lewis EF, Granger CB, Køber L, Maggioni AP, Mann DL, McMurray JJV, Rouleau JL, Solomon SD, Steg PG, Berwanger O, Cikes M, De Pasquale CG, East C, Fernandez A, Jering K, Landmesser U, Mehran R, Merkely B, Vaghaiwalla Mody F, Petrie MC, Petrov I, Schou M, Senni M, Sim D, van der Meer P, Lefkowitz M, Zhou Y, Gong J, Braunwald E; PARADISE-MI Investigators and Committees. **Angiotensin Receptor-Nepilysin Inhibition in Acute Myocardial Infarction.** N Engl J Med. 2021 Nov 11;385(20):1845-1855. doi: 10.1056/NEJMoa2104508. Erratum in: N Engl J Med. 2021 Dec 30;385(27):2592. PMID: 34758252.

Valgimigli M, Frigoli E, Heg D, Tijssen J, Jüni P, Vranckx P, Ozaki Y, Morice MC, Chevalier B, Onuma Y, Windecker S, Tonino PAL, Roffi M, Lesiak M, Mahfoud F, Bartunek J, Hildick-Smith D, Colombo A, Stanković G, Iñiguez A, Schultz C, Kornowski R, Ong PJJ, Alasnag M, Rodriguez AE, Moschovitis A, Laanmets P, Donahue M, Leonardi S, Smits PC; MASTER DAPT Investigators. **Dual Antiplatelet Therapy after PCI in Patients at High Bleeding Risk.** N Engl J Med. 2021 Oct 28;385(18):1643-1655. doi: 10.1056/NEJMoa2108749. Epub 2021 Aug 28. PMID: 34449185.

Mathew R, Di Santo P, Jung RG, Marbach JA, Hutson J, Simard T, Ramirez FD, Harnett DT, Merdad A, Almufleh A, Weng W, Abdel-Razek O, Fernando SM, Kyeremanteng K, Bernick J, Wells GA, Chan V, Froeschl M, Labinaz M, Le May MR, Russo JJ, Hibbert B. **Milrinone as Compared with Dobutamine in the Treatment of Cardiogenic Shock.** N Engl J Med. 2021 Aug 5;385(6):516-525. doi: 10.1056/NEJMoa2026845. PMID: 34347952.

Kitzman DW, Whellan DJ, Duncan P, Pastva AM, Mentz RJ, Reeves GR, Nelson MB, Chen H, Upadhyaya B, Reed SD, Espeland MA, Hewston L, O'Connor CM. **Physical Rehabilitation for Older Patients Hospitalized for Heart Failure.** N Engl J Med. 2021 Jul 15;385(3):203-216. doi: 10.1056/NEJMoa2026141. Epub 2021 May 16. PMID: 33999544; PMCID: PMC8353658.

Wilding JPH, Batterham RL, Calanna S, Davies M, Van Gaal LF, Lingvay I, McGowan BM, Rosenstock J, Tran MTD, Wadden TA, Wharton S, Yokote K, Zeuthen N, Kushner RF; STEP 1 Study Group. **Once-Weekly Semaglutide in Adults with Overweight or Obesity.** N Engl J Med. 2021 Mar 18;384(11):989-1002. doi: 10.1056/NEJMoa2032183. Epub 2021 Feb 10. PMID: 33567185.

Klein AL, Imazio M, Cremer P, Brucato A, Abbate A, Fang F, Insalaco A, LeWinter M, Lewis BS, Lin D, Luis SA, Nicholls SJ, Pano A, Wheeler A, Paolini JF; RHAPSODY Investigators. **Phase 3 Trial of Interleukin-1 Trap Riloncept in Recurrent Pericarditis.** N Engl J Med. 2021 Jan 7;384(1):31-41. doi: 10.1056/NEJMoa2027892. Epub 2020 Nov 16. PMID: 33200890.

Nidorf SM, Fiolet ATL, Mosterd A, Eikelboom JW, Schut A, Opstal TSJ, The SHK, Xu XF, Ireland MA, Lenderink T, Latchem D, Hoogslag P, Jerzewski A, Nierop P, Whelan A, Hendriks R, Swart H, Schaap J, Kuijper AFM, van Hessen MWJ, Saklani P, Tan I, Thompson AG, Morton A, Judkins C, Bax WA, Dirksen M, Alings M, Hankey GJ, Budgeon CA, Tijssen JGP, Cornel JH, Thompson PL; LoDoCo2 Trial Investigators. **Colchicine in Patients with Chronic Coronary Disease.** N Engl J Med. 2020 Nov 5;383(19):1838-1847. doi: 10.1056/NEJMoa2021372. Epub 2020 Aug 31. PMID: 32865380.

Heerspink HJL, Stefánsson BV, Correa-Rotter R, Chertow GM, Greene T, Hou FF, Mann JFE, McMurray JJV, Lindberg M, Rossing P, Sjöström CD, Toto RD, Langkilde AM, Wheeler DC; DAPA-CKD Trial Committees and Investigators. **Dapagliflozin in Patients with Chronic Kidney Disease.** N Engl J Med. 2020 Oct 8;383(15):1436-1446. doi: 10.1056/NEJMoa2024816. Epub 2020 Sep 24. PMID: 32970396.

Packer M, Anker SD, Butler J, Filippatos G, Pocock SJ, Carson P, Januzzi J, Verma S, Tsutsui H, Brueckmann M, Jamal W, Kimura K, Schnee J, Zeller C, Cotton D, Bocchi E, Böhm M, Choi DJ, Chopra V, Chuquiure E, Giannetti N, Janssens S, Zhang J, Gonzalez Juanatey JR, Kaul S, Brunner-La Rocca HP, Merkely B, Nicholls SJ, Perrone S, Pina I, Ponikowski P, Sattar N, Senni M, Seronde MF, Spinar J, Squire I, Taddei S, Wanner C, Zannad F; EMPEROR-Reduced Trial Investigators. **Cardiovascular and Renal Outcomes with Empagliflozin in Heart Failure.** N Engl J Med. 2020 Oct 8;383(15):1413-1424. doi: 10.1056/NEJMoa2022190. Epub 2020 Aug 28. PMID: 32865377.

Bangalore S, Maron DJ, O'Brien SM, Fleg JL, Kretov EI, Briguori C, Kaul U, Reynolds HR, Mazurek T, Sidhu MS, Berger JS, Mathew RO, Bockeria O, Broderick S, Pracon R, Herzog CA, Huang Z, Stone GW, Boden WE, Newman JD, Ali ZA, Mark DB, Spertus JA, Alexander KP, Chaitman BR, Chertow GM, Hochman JS; ISCHEMIA-CKD Research Group. **Management of Coronary Disease in Patients with Advanced Kidney Disease.** N Engl J Med. 2020 Apr 23;382(17):1608-1618. doi: 10.1056/NEJMoa1915925. Epub 2020 Mar 30. PMID: 32227756; PMCID: PMC7274537.

Ray KK, Wright RS, Kallend D, Koenig W, Leiter LA, Raal FJ, Bisch JA, Richardson T, Jaros M, Wijngaard PLJ, Kastelein JJP; ORION-10 and ORION-11 Investigators. **Two Phase 3 Trials of Inclisiran in Patients with Elevated LDL Cholesterol.** *N Engl J Med.* 2020 Apr 16;382(16):1507-1519. doi: 10.1056/NEJMoa1912387. Epub 2020 Mar 18. PMID: 32187462.

Maron DJ, Hochman JS, Reynolds HR, Bangalore S, O'Brien SM, Boden WE, Chaitman BR, Senior R, López-Sendón J, Alexander KP, Lopes RD, Shaw LJ, Berger JS, Newman JD, Sidhu MS, Goodman SG, Ruzyllo W, Gosselin G, Maggioni AP, White HD, Bhargava B, Min JK, Mancini GBJ, Berman DS, Picard MH, Kwong RY, Ali ZA, Mark DB, Spertus JA, Krishnan MN, Elghamaz A, Moorthy N, Hueb WA, Demkow M, Mavromatis K, Bockeria O, Peteiro J, Miller TD, Szwed H, Doerr R, Keltai M, Selvanayagam JB, Steg PG, Held C, Kohsaka S, Mavromichalis S, Kirby R, Jeffries NO, Harrell FE Jr, Rockhold FW, Broderick S, Ferguson TB Jr, Williams DO, Harrington RA, Stone GW, Rosenberg Y; ISCHEMIA Research Group. **Initial Invasive or Conservative Strategy for Stable Coronary Disease.** *N Engl J Med.* 2020 Apr 9;382(15):1395-1407. doi: 10.1056/NEJMoa1915922. Epub 2020 Mar 30. PMID: 32227755; PMCID: PMC7263833.

Armstrong PW, Pieske B, Anstrom KJ, Ezekowitz J, Hernandez AF, Butler J, Lam CSP, Ponikowski P, Voors AA, Jia G, McNulty SE, Patel MJ, Roessig L, Koglin J, O'Connor CM; **VICTORIA Study Group.** **Vericiguat in Patients with Heart Failure and Reduced Ejection Fraction.** *N Engl J Med.* 2020 May 14;382(20):1883-1893. doi: 10.1056/NEJMoa1915928. Epub 2020 Mar 28. PMID: 32222134.

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. Erratum in: *Lancet.* 2021 Nov 27;398(10315):1964. PMID: 33197395.

Olivotto I, Oreziak A, Barriaes-Villa R, Abraham TP, Masri A, Garcia-Pavia P, Saberi S, Lakdawala NK, Wheeler MT, Owens A, Kubanek M, Wojakowski W, Jensen MK, Gimeno-Blanes J, Afshar K, Myers J, Hegde SM, Solomon SD, Sehnert AJ, Zhang D, Li W, Bhattacharya M, Edelberg JM, Waldman CB, Lester SJ, Wang A, Ho CY, Jacoby D; EXPLORER-HCM study investigators. **Mavacamten for treatment of symptomatic obstructive hypertrophic cardiomyopathy (EXPLORER-HCM): a randomised, double-blind, placebo-controlled, phase 3 trial.** *Lancet.* 2020 Sep 12;396(10253):759-769. doi: 10.1016/S0140-6736(20)31792-X. Epub 2020 Aug 29. Erratum in: *Lancet.* 2020 Sep 12;396(10253):758. PMID: 32871100.

Göran Bergström , Margaretha Persson, Martin Adiels, et al. **Prevalence of Subclinical Coronary Artery Atherosclerosis in the General Population.** *Circulation;* 2021 Sep 21;144(12):916-929.

DISCHARGE Trial Group. **CT or Invasive Coronary Angiography in Stable Chest Pain.** *N Engl J Med.* 2022 Apr 28;386(17):1591-1602. doi: 10.1056/NEJMoa2200963. Epub 2022 Mar 4. PMID: 35240010.

Das Pradhan A, Glynn RJ, Fruchart JC, et al.; PROMINENT Investigators **Triglyceride Lowering with Pemafibrate to Reduce Cardiovascular Risk** *N Engl J Med.* 2022;387(21):1923-193

Javaid A, Dardari ZA, Mitchell JD, Whelton SP, Dzaye O, Lima JAC, Lloyd-Jones DM, Budoff M, Nasir K, Berman DS, Rumberger J, Miedema MD, Villines TC, Blaha MJ. **Distribution of Coronary Artery Calcium by Age, Sex, and Race Among Patients 30-45 Years Old.** *J Am Coll Cardiol.* 2022 May 17;79(19):1873-1886.

Schroder J, Michelsen MM, Mygind ND, Suhrs HE, Bove KB, Bechsgaard DF, et al. **Coronary flow velocity reserve predicts adverse prognosis in women with angina and no obstructive coronary artery disease: results from the iPOWER study.** *Eur Heart J* 2021;42:228–239.

Sheth T, Pinilla-Echeverri N, Moreno R, Wang J, Wood DA, Storey RF, et al. **Nonculprit lesion severity and outcome of revascularization in patients with STEMI and multivessel coronary disease.** J Am Coll Cardiol 2020;76: 1277–1286.

Puymirat E, Cayla G, Simon T, Steg PG, Montalescot G, Durand-Zaleski I, et al. **Multivessel PCI guided by FFR or angiography for myocardial infarction.** N Engl J Med 2021;385: 297–308.

Montone RA, Niccoli G, Crea F, Jang I-K. **Management of non-culprit coronary plaques in patients with acute coronary syndrome.** Eur Heart J 2020;41: 3579–3586.

Banning AP, Serruys P, De Maria GL, Ryan N, Walsh S, Gonzalo N, Jan van Geuns R, Onuma Y, Sabate M, Davies J, Lesiak M, Moreno R, Cruz-Gonzalez I, Hoole SP, Piek JJ, Appleby C, Fath-Ordoubadi F, Zaman A, Van Mieghem NM, Uren N, Zueco J, Buszman P, Iniguez A, Goicolea J, Hildick-Smith D, Ochala A, Dudek D, de Vries T, Taggart D, Farooq V, Spitzer E, Tijssen J, Escaned J. **Five-year outcomes after state-of-the-art percutaneous coronary revascularization in patients with de novo three-vessel disease: final results of the SYNTAX II study.** Eur Heart J. 2022 Mar 31;43(13):1307-1316. doi: 10.1093/eurheartj/ehab703. PMID: 34617993; PMCID: PMC8970987.

Fearon WF, Zimmermann FM, De Bruyne B, Piroth Z, van Straten AHM, Szekely L, et al. **Fractional flow reserve–guided PCI as compared with coronary bypass surgery.** N Engl J Med 2021. <https://doi.org/10.1056/NEJMoa2112299>.

Kawashima H, Serruys PW, Ono M, Hara H, O’Leary N, Mack MJ, et al. **Impact of optimal medical therapy on 10-year mortality after coronary revascularization.** J Am Coll Cardiol 2021;78: 27–38.

Räber L, Ueki Y, Otsuka T, et al. **Effect of alirocumab added to high-intensity statin therapy on coronary atherosclerosis in patients with acute myocardial infarction: the PACMAN-AMI randomized clinical trial.** JAMA 2022;327:1771-81.

Ducrocq G, Gonzalez-Juanatey JR, Puymirat E, Lemesle G, Cachanado M, Durand-Zaleski I, et al. **Effect of a restrictive vs liberal blood transfusion strategy on major cardiovascular events among patients with acute myocardial infarction and anemia.** JAMA 2021;325:552–560

Dankiewicz J, Cronberg T, Lilja G, Jakobsen JC, Levin H, Ullén S, et al. **Hypothermia versus normothermia after out-of-hospital cardiac arrest.** *N Engl J Med* 2021;384:2283–2294.

Jørgensen TH, Thyregod HGH, Ihlemann N, Nissen H, Petursson P, Kjeldsen BJ, Steinbrüchel DA, Olsen PS, Søndergaard L. **Eight-year outcomes for patients with aortic valve stenosis at low surgical risk randomized to transcatheter vs. surgical aortic valve replacement.** *Eur Heart J.* 2021 Aug 7;42(30):2912-2919. doi: 10.1093/eurheartj/ehab375. PMID: 34179981; PMCID: PMC8347457.

Michel Haissaguerre, Ghassen Cheniti, Meleze Hocini, et al. **Purkinje network and myocardial substrate at the onset of human ventricular fibrillation: implications for catheter ablation,** *European Heart Journal*, Volume 43, Issue 12, 21 March 2022, Pages 1234–1247

Laurie Soulat-Dufour, Sylvie Lang, Karima Addetia, et al. **Restoring Sinus Rhythm Reverses Cardiac Remodeling and Reduces Valvular Regurgitation in Patients With Atrial Fibrillation,** [J Am Coll Cardiol](#). 2022 Mar, 79 (10) 951–961

Paulus Kirchhof, A. John Camm, Andreas Goette, et al. For the **EAST-AFNET 4 Trial Investigators. Early Rhythm-Control Therapy in Patients with Atrial Fibrillation.** *N Engl J Med* 2020; 383:1305-1316

Oussama M. Wazni, Gopi Dandamudi, Nitesh Sood, et al. for the **STOP AF First Trial Investigators. Cryoballoon Ablation as Initial Therapy for Atrial Fibrillation.** *N Engl J Med* 2021; 384:316-324

Jason G. Andrade, George A. Wells, Marc W. Deyell, et al. for the **EARLY-AF Investigators. Cryoablation or Drug Therapy for Initial Treatment of Atrial Fibrillation.** *N Engl J Med* 2021; 384:305-315

Brignole M, Pentimalli F, Palmisano P, et al. APAF-CRT Trial Investigators. **AV junction ablation and cardiac resynchronization for patients with permanent atrial fibrillation and narrow QRS: the APAF-CRT mortality trial.** *Eur Heart J.* 2021 Dec 7;42(46):4731-4739.

Willems S, Tilz RR, Steven D, Kääh S, Wegscheider K, Gellér L, Meyer C, Heeger CH, Metzner A, Sinner MF, Schlüter M, Nordbeck P, Eckardt L, Bogossian H, Sultan A, Wenzel B, Kuck KH; BERLIN VT Investigators. **Preventive or Deferred Ablation of Ventricular Tachycardia in Patients With Ischemic Cardiomyopathy and Implantable Defibrillator (BERLIN VT): A Multicenter Randomized Trial.** *Circulation.* 2020 Mar 31;141(13):1057-1067. doi: 10.1161/CIRCULATIONAHA.119.043400. Epub 2020 Jan 31. PMID: 32000514.

Banovic M, Putnik S, Penicka M, Doros G, Deja MA, Kockova R, Kotrc M, Glaveckaite S, Gasparovic H, Pavlovic N, Velicki L, Salizzoni S, Wojakowski W, Van Camp G, Nikolic SD, lung B, Bartunek J; AVATAR Trial Investigators*. **Aortic Valve Replacement Versus Conservative Treatment in Asymptomatic Severe Aortic Stenosis: The AVATAR Trial.** *Circulation.* 2022 Mar;145(9):648-658. doi: 10.1161/CIRCULATIONAHA.121.057639. Epub 2021 Nov 13. Erratum in: *Circulation.* 2022 Mar;145(9):e761. PMID: 34779220.

Dreyfus J, Flagiello M, Bazire B, Eggenspieler F, Viau F, Riant E, Mbaki Y, Bohbot Y, Eyharts D, Senage T, Dubrulle H, Nicol M, Doguet F, Nguyen V, Coisne A, Le Tourneau T, Lavie-Badie Y, Tribouilloy C, Donal E, Tomasi J, Habib G, Selton-Suty C, Raffoul R, lung B, Obadia JF, Messika-Zeitoun D. **Isolated tricuspid valve surgery: impact of aetiology and clinical presentation on outcomes.** *Eur Heart J.* 2020 Dec 1;41(45):4304-4317. doi: 10.1093/eurheartj/ehaa643. PMID: 32974668.

Nitsche C, Scully PR, Patel KP, Kammerlander AA, Koschutnik M, Dona C, Wollenweber T, Ahmed N, Thornton GD, Kelion AD, Sabharwal N, Newton JD, Ozkor M, Kennon S, Mullen M, Lloyd G, Fontana M, Hawkins PN, Pugliese F, Menezes LJ, Moon JC, Mascherbauer J, Treibel TA. **Prevalence and Outcomes of Concomitant Aortic Stenosis and Cardiac Amyloidosis.** *J Am Coll Cardiol.* 2021 Jan 19;77(2):128-139. doi: 10.1016/j.jacc.2020.11.006. Epub 2020 Nov 9. PMID: 33181246; PMCID: PMC7805267.

Guimarães HP, Lopes RD, de Barros E Silva PGM, Liporace IL, Sampaio RO, Tarasoutchi F, Hoffmann-Filho CR, de Lemos Soares Patriota R, Leiria TLL, Lamprea D, Precoma DB, Atik FA, Silveira FS, Farias FR, Barreto DO, Almeida AP, Zilli AC, de Souza Neto JD, Cavalcante MA, Figueira FAMS, Kojima FCS, Damiani L, Santos RHN, Valeis N, Campos VB, Saraiva JFK, Fonseca FH, Pinto IM, Magalhães CC, Ferreira JFM, Alexander JH, Pavanello R, Cavalcanti AB, Berwanger O; RIVER Trial Investigators. **Rivaroxaban in Patients with Atrial Fibrillation and a Bioprosthetic Mitral Valve.** N Engl J Med. 2020 Nov 26;383(22):2117-2126. doi: 10.1056/NEJMoa2029603. Epub 2020 Nov 14. PMID: 33196155.

Gammie JS, Chu MWA, Falk V, Overbey JR, Moskowitz AJ, Gillinov M, Mack MJ, Voisine P, Krane M, Yerokun B, Bowdish ME, Conradi L, Bolling SF, Miller MA, Taddei-Peters WC, Jeffries NO, Parides MK, Weisel R, Jessup M, Rose EA, Mullen JC, Raymond S, Moquete EG, O'Sullivan K, Marks ME, Iribarne A, Beyersdorf F, Borger MA, Geirsson A, Bagiella E, Hung J, Gelijns AC, O'Gara PT, Ailawadi G; CTSN Investigators. **Concomitant Tricuspid Repair in Patients with Degenerative Mitral Regurgitation.** N Engl J Med. 2022 Jan 27;386(4):327-339. doi: 10.1056/NEJMoa2115961. Epub 2021 Nov 13. PMID: 34767705; PMCID: PMC8796794.

Nademanee K, Chung FP, Sacher F, Nogami A, Nakagawa H, Jiang C, Hocini M, Behr E, Veerakul G, Jan Smit J, Wilde AAM, Chen SA, Yamashiro K, Sakamoto Y, Morishima I, Das MK, Khongphatthanayothin A, Vardhanabhuti S, Haissaguerre M. **Long-Term Outcomes of Brugada Substrate Ablation: A Report from BRAVO (Brugada Ablation of VF Substrate Ongoing Multicenter Registry).** Circulation. 2023 May 23;147(21):1568-1578. doi: 10.1161/CIRCULATIONAHA.122.063367. Epub 2023 Mar 24. PMID: 36960730

Willems S, Borof K, Brandes A, Breithardt G, Camm AJ, Crijns HJGM, Eckardt L, Gessler N, Goette A, Haegeli LM, Heidbuchel H, Kautzner J, Ng GA, Schnabel RB, Suling A, Szumowski L, Themistoclakis S, Vardas P, van Gelder IC, Wegscheider K, Kirchhof P. **Systematic, early rhythm control strategy for atrial fibrillation in patients with or without symptoms: the EAST-AFNET 4 trial.** Eur Heart J. 2022 Mar 21;43(12):1219-1230. doi: 10.1093/eurheartj/ehab593. PMID: 34447995; PMCID: PMC8934687.

Rosso R, Hochstadt A, Viskin D, Chorin E, Schwartz AL, Tovia-Brodie O, Laish-Farkash A, Havakuk O, Gepstein L, Banai S, Viskin S. **Polymorphic ventricular tachycardia, ischaemic ventricular fibrillation, and torsade de pointes: importance of the QT and the coupling interval in the differential diagnosis.** Eur Heart J. 2021 Oct 7;42(38):3965-3975. doi: 10.1093/eurheartj/ehab138. PMID: 33693589.

Andrade JG, Deyell MW, Macle L, Wells GA, Bennett M, Essebag V, Champagne J, Roux JF, Yung D, Skanes A, Khaykin Y, Morillo C, Jolly U, Novak P, Lockwood E, Amit G, Angaran P, Sapp J, Wardell S, Lauck S, Cadrin-Tourigny J, Kochhäuser S, Verma A; **EARLY-AF Investigators. Progression of Atrial Fibrillation after Cryoablation or Drug Therapy.** N Engl J Med. 2023 Jan 12;388(2):105-116. doi: 10.1056/NEJMoa2212540. Epub 2022 Nov 7. PMID: 36342178.

Mullens W, Dauw J, Martens P, Verbrugge FH, Nijst P, Meekers E, Tartaglia K, Chenot F, Moubayed S, Dierckx R, Blouard P, Troisfontaines P, Derthoo D, Smolders W, Bruckers L, Droogne W, Ter Maaten JM, Damman K, Lassus J, Mebazaa A, Filippatos G, Ruschitzka F, Dupont M; ADVOR Study Group. **Acetazolamide in Acute Decompensated Heart Failure with Volume Overload.** N Engl J Med. 2022 Sep 29;387(13):1185-1195. doi: 10.1056/NEJMoa2203094. Epub 2022 Aug 27. PMID: 36027559.

Solomon SD, McMurray JJV, Claggett B, de Boer RA, DeMets D, Hernandez AF, Inzucchi SE, Kosiborod MN, Lam CSP, Martinez F, Shah SJ, Desai AS, Jhund PS, Belohlavek J, Chiang CE, Borleffs CJW, Comin-Colet J, Dobreanu D, Drozd J, Fang JC, Alcocer-Gamba MA, Al Habeeb W, Han Y, Cabrera Honorio JW, Janssens SP, Katova T, Kitakaze M, Merkely B, O'Meara E, Saraiva JFK, Tereshchenko SN, Thierer J, Vaduganathan M, Vardeny O, Verma S, Pham VN, Wilderäng U, Zaozerska N, Bachus E, Lindholm D, Petersson M, Langkilde AM; DELIVER Trial Committees and Investigators. **Dapagliflozin in Heart Failure with Mildly Reduced or Preserved Ejection Fraction.** N Engl J Med. 2022 Sep 22;387(12):1089-1098. doi: 10.1056/NEJMoa2206286. Epub 2022 Aug 27. PMID: 36027570.

Voors AA, Angermann CE, Teerlink JR, Collins SP, Kosiborod M, Biegus J, Ferreira JP, Nassif ME, Psotka MA, Tromp J, Borleffs CJW, Ma C, Comin-Colet J, Fu M, Janssens SP, Kiss RG, Mentz RJ, Sakata Y, Schirmer H, Schou M, Schulze PC, Spinarova L, Volterrani M, Wranicz JK, Zeymer U, Zieroth S, Brueckmann M, Blatchford JP, Salsali A, Ponikowski P. **The SGLT2 inhibitor empagliflozin in patients hospitalized for acute heart failure: a multinational randomized trial.** *Nat Med.* 2022 Mar;28(3):568-574. doi: 10.1038/s41591-021-01659-1. Epub 2022 Feb 28. PMID: 35228754; PMCID: PMC8938265.

The EMPA-KIDNEY Collaborative Group; Herrington WG, Staplin N, Wanner C, Green JB, Hauske SJ, Emberson JR, Preiss D, Judge P, Mayne KJ, Ng SYA, Sammons E, Zhu D, Hill M, Stevens W, Wallendszus K, Brenner S, Cheung AK, Liu ZH, Li J, Hooi LS, Liu W, Kadowaki T, Nangaku M, Levin A, Cherney D, Maggioni AP, Pontremoli R, Deo R, Goto S, Rossello X, Tuttle KR, Steubl D, Petrini M, Massey D, Eilbracht J, Brueckmann M, Landray MJ, Baigent C, Haynes R. **Empagliflozin in Patients with chronic Kidney Disease.** *N Engl J Med.* 2023 Jan 12;388(2):117-127. doi: 10.1056/NEJMoa2204233. Epub 2022 Nov 4.

Perera D, Clayton T, O'Kane PD, Greenwood JP, Weerackody R, Ryan M, Morgan HP, Dodd M, Evans R, Canter R, Arnold S, Dixon LJ, Edwards RJ, De Silva K, Spratt JC, Conway D, Cotton J, McEntegart M, Chiribiri A, Saramago P, Gershlick A, Shah AM, Clark AL, Petrie MC; REVIVED-BCIS2 Investigators. **Percutaneous Revascularization for Ischemic Left Ventricular Dysfunction.** *N Engl J Med.* 2022 Oct 13;387(15):1351-1360. doi: 10.1056/NEJMoa2206606. Epub 2022 Aug 27. PMID: 36027563.

Mebazaa A, Davison B, Chioncel O, Cohen-Solal A, Diaz R, Filippatos G, Metra M, Ponikowski P, Sliwa K, Voors AA, Edwards C, Novosadova M, Takagi K, Damasceno A, Saidu H, Gayat E, Pang PS, Celutkiene J, Cotter G. **Safety, tolerability and efficacy of up-titration of guideline-directed medical therapies for acute heart failure (STRONG-HF): a multinational, open-label, randomised, trial.** *Lancet.* 2022 Dec 3;400(10367):1938-1952. doi: 10.1016/S0140-6736(22)02076-1. Epub 2022 Nov 7. PMID: 36356631.

Butler J, Anker SD, Lund LH, Coats AJS, Filippatos G, Siddiqi TJ, Friede T, Fabien V, Kosiborod M, Metra M, Piña IL, Pinto F, Rossignol P, van der Meer P, Bahit C, Belohlavek J, Böhm M, Brugts JJ, Cleland JGF, Ezekowitz J, Bayes-Genis A, Gotsman I, Goudev A, Khintibidze I, Lindenfeld J, Mentz RJ, Merkely B, Montes EC, Mullens W, Nicolau JC, Parkhomenko A, Ponikowski P, Seferovic PM, Senni M, Shlyakhto E, Cohen-Solal A, Szecsödy P, Jensen K, Dorigotti F, Weir MR, Pitt B. **Patiromer for the management of hyperkalemia in heart failure with reduced ejection fraction: the DIAMOND trial.** *Eur Heart J.* 2022 Nov 1;43(41):4362-4373. doi: 10.1093/eurheartj/ehac401. PMID: 35900838; PMCID: PMC9622299.

Bhatt DL, Szarek M, Steg PG, Cannon CP, Leiter LA, McGuire DK, Lewis JB, Riddle MC, Voors AA, Metra M, Lund LH, Komajda M, Testani JM, Wilcox CS, Ponikowski P, Lopes RD, Verma S, Lapuerta P, Pitt B; SOLOIST-WHF Trial Investigators. **Sotagliflozin in Patients with Diabetes and Recent Worsening Heart Failure.** *N Engl J Med.* 2021 Jan 14;384(2):117-128. doi: 10.1056/NEJMoa2030183. Epub 2020 Nov 16. PMID: 33200892.

Parkash R, Wells GA, Rouleau J, Talajic M, Essebag V, Skanes A, Wilton SB, Verma A, Healey JS, Sterns L, Bennett M, Roux JF, Rivard L, Leong-Sit P, Jensen-Urstad M, Jolly U, Philippon F, Sapp JL, Tang ASL. **Randomized Ablation-Based Rhythm-Control Versus Rate-Control Trial in Patients With Heart Failure and Atrial Fibrillation: Results from the RAFT-AF trial.** *Circulation.* 2022 Jun 7;145(23):1693-1704. doi: 10.1161/CIRCULATIONAHA.121.057095. Epub 2022 Mar 22. PMID: 35313733

P Sorajja, B Whisenant, N Hamid, et al. **Transcatheter repair for patients with tricuspid regurgitation (TRILUMINATE).** *NEJM* 2023 May 18; 388:1833-1842

B.-K. Koo, et. al. **Fractional Flow Reserve or Intravascular Ultrasonography to Guide PCI (FLAVOUR);** *N Engl J Med* 2022;387:779-89.