

MAHI MANUSCRIPTS PUBLISHED

2021

Original Research

1. Malik AO, Poghni Peri-Okonny, Gosch K, Thomas MB, Mena-Hurtado C, Hiatt W, Aronow HD, Jones PG, Provance J, Labroschiano C, Jelani QU, Spertus JA, Smolderen KG. Association of perceived stress with health status outcomes in patients with peripheral artery disease. *J Psychosom Res.* 2021 Jan;140:110313. Epub 2020 Nov 24. PMID: 33279876.
<https://pubmed.ncbi.nlm.nih.gov/33279876/>
2. Roger SD, Lavin PT, Lerma EV, McCullough PA, Butler J, Spinowitz BS, von Haehling S, Kosiborod M, Zhao J, Fishbane S, Packham DK. Long-term safety and efficacy of sodium zirconium cyclosilicate for hyperkalaemia in patients with mild/moderate versus severe/end-stage chronic kidney disease: comparative results from an open-label, Phase 3 study. *Nephrol Dial Transplant.* 2021 Jan 1;36(1):137-150. PMID: 32030422.
<https://www.ncbi.nlm.nih.gov/pubmed/?term=32030422>
3. Srivastava PK, DeVore AD, Hellkamp AS, Thomas L, Albert NM, Butler J, Patterson JH, Spertus JA, Williams FB, Duffy CI, Hernandez AF, Fonarow GC. Heart Failure Hospitalization and Guideline-Directed Prescribing Patterns Among Heart Failure With Reduced Ejection Fraction Patients. *JACC Heart Fail.* 2021 Jan;9(1):28-38. Epub 2020 Dec 9. PMID: 33309579.
<https://pubmed.ncbi.nlm.nih.gov/33309579/>
4. Patel KK, Gomes MB, Charbonnel B, Chen H, Cid-Ruzafa J, Fenici P, Hammar N, Ji L, Kennedy KF, Khunti K, Kosiborod M, Pocock S, Shestakova M, Shimomura I, Surmont F, Watada H, Arnold SV. Global Patterns of Comprehensive Cardiovascular Risk Factor Control in Patients with Type 2 Diabetes Mellitus: Insights from the DISCOVER Study. *Diabetes Obes Metab.* 2021 Jan;23(1):39-48. Epub 2020 Sep 22. PMID: 32845558.
<https://pubmed.ncbi.nlm.nih.gov/32845558/>
5. Angraal S, Zachariah AG, Raaisa R, Khera R, Rao P, Krumholz HM, Spertus JA. Evaluation of Internet-Based Crowdsourced Fundraising to Cover Health Care Costs in the United States. *JAMA Netw Open.* 2021 Jan 4;4(1):e2033157. PMID: 33427882.
<https://pubmed.ncbi.nlm.nih.gov/33427882/>
6. Koh ES, Han K, Nam YS, Wittbrodt ET, Fenici P, Kosiborod MN, Heerspink HJL, Yoo SJ, Kwon HS. Renal outcomes and all-cause death associated with sodium-glucose co-transporter-2 inhibitors versus other glucose-lowering drugs (CVD-REAL 3 Korea). *Diabetes Obes Metab.*

2021 Feb;23(2):455-466. Epub 2020 Nov 24. PMID: 33118320.

<https://pubmed.ncbi.nlm.nih.gov/33118320/>

7. Elkaryoni A, Barssoum K, Barakat AF, Elgendy IY, Elsayed M, Muhanna A, Arnason A, Shatla I, Darki A, Wimmer AP. Safety and Effectiveness of Long-Term Anticoagulation for Atrial Fibrillation Among Nonagenarians: A Real-World Analysis. *Am J Cardiol*. 2021 Feb 1;140:151-152. Epub 2020 Nov 11. PMID: 33188735.
<https://pubmed.ncbi.nlm.nih.gov/33188735/>
8. Inzucchi SE, Docherty KF, Køber L, Kosiborod MN, Martinez FA, Ponikowski P, Sabatine MS, Solomon SD, Verma S, Böhlhávek J, Böhm M, Chiang CE, de Boer RA, Diez M, Dukát A, Ljungman CEA, Bengtsson O, Langkilde AM, Sjöstrand M, Jhund PS, McMurray JJV; DAPA-HF Investigators and Committees. Dapagliflozin and the Incidence of Type 2 Diabetes in Patients With Heart Failure and Reduced Ejection Fraction: An Exploratory Analysis From DAPA-HF. *Diabetes Care*. 2021 Feb;44(2):586-594. Epub 2020 Dec 18. PMID: 33355302.
<https://pubmed.ncbi.nlm.nih.gov/33355302/>
9. McCabe JM, Kaki AA, Pinto DS, Kirtane AJ, Nicholson WJ, Grantham JA, Wyman RM, Moses JW, Schreiber T, Okoh AK, Shetty R, Lotun K, Lombardi W, Kapur NK, Tayal R. Percutaneous Axillary Access for Placement of Microaxial Ventricular Support Devices: The Axillary Access Registry to Monitor Safety (ARMS). *Circ Cardiovasc Interv*. 2021 Jan;14(1):e009657. Epub 2020 Dec 16. PMID: 33322918.
<https://pubmed.ncbi.nlm.nih.gov/33322918/>
10. Bhatt DL, Szarek M, Pitt B, Cannon CP, Leiter LA, McGuire DK, Lewis JB, Riddle MC, Inzucchi SE, Kosiborod MN, Cherney DZI, Dwyer JP, Scirica BM, Bailey CJ, Díaz R, Ray KK, Udell JA, Lopes RD, Lapuerta P, Steg PG; SCORED Investigators. Sotagliflozin in Patients with Diabetes and Chronic Kidney Disease. *N Engl J Med*. 2021 Jan 14;384(2):129-139. Epub 2020 Nov 16. PMID: 33200891.
<https://pubmed.ncbi.nlm.nih.gov/33200891/>
11. Jhund PS, Solomon SD, Docherty KF, Heerspink HJL, Anand IS, Böhm M, Chopra V, de Boer RA, Desai AS, Ge J, Kitakaze M, Merkely B, O'Meara E, Schou M, Tereshchenko S, Verma S, Vinh PN, Inzucchi SE, Køber L, Kosiborod MN, Martinez FA, Ponikowski P, Sabatine MS, Bengtsson O, Langkilde AM, Sjöstrand M, McMurray JJV. Efficacy of Dapagliflozin on Renal Function and Outcomes in Patients with Heart Failure with Reduced Ejection Fraction: Results of DAPA-HF. *Circulation*. 2021 Jan 26;143(4):298-309. Epub 2020 Oct 12. PMID: 33040613.
<https://pubmed.ncbi.nlm.nih.gov/33040613/>
12. Hirai T, Grantham JA, Sapontis J, Nicholson WJ, Lombardi W, Karpaliotis D, Moses J, Nugent K, Gosch KL, Salisbury AC; OPEN CTO Study Group. Development and validation of a

prediction model for angiographic perforation during chronic total occlusion percutaneous coronary intervention: OPEN-CLEAN perforation score. *Catheter Cardiovasc Interv.* 2021 Jan 13. [Epub ahead of print] PMID: 33438824.

<https://pubmed.ncbi.nlm.nih.gov/33438824/>

- 13.** Harhash AA, Kennedy KF, Fendler TJ, Khumri TM, Nassif ME, Magalski A, Sperry BW. Comparison of Outcomes Among Patients With Cardiogenic Shock Admitted on Weekends Versus Weekdays. *Am J Cardiol.* 2021 Apr 1;144:20-25. Epub 2021 Jan 6. PMID: 33417875.
<https://pubmed.ncbi.nlm.nih.gov/33417875/>
- 14.** Ybarra LF, Rinfret S, Brilakis ES, Karpaliotis D, Azzalini L, Grantham JA, Kandzari DE, Mashayekhi K, Spratt JC, Wijeyesundera HC, Ali ZA, Buller CE, Carlino M, Cohen DJ, Cutlip DE, De Martini T, Di Mario C, Farb A, Finn AV, Galassi AR, Gibson CM, Hanratty C, Hill JM, Jaffer FA, Krucoff MW, Lombardi WL, Maehara A, Magee PFA, Mehran R, Moses JW, Nicholson WJ, Onuma Y, Sianos G, Sumitsuji S, Tsuchikane E, Virmani R, Walsh SJ, Werner GS, Yamane M, Stone GW, Rinfret S, Stone GW; Chronic Total Occlusion Academic Research Consortium. Definitions and Clinical Trial Design Principles for Coronary Artery Chronic Total Occlusion Therapies: CTO-ARC Consensus Recommendations. *Circulation.* 2021 Feb 2;143(5):479-500. Epub 2021 Feb 1. PMID: 33523728.
<https://pubmed.ncbi.nlm.nih.gov/33523728/>
- 15.** Bourque JM, Hanson CA, Agostini D, Bateman TM, Bax JJ, Beanlands RSB, Berman DS, Garcia EV, Heller GV, Knuuti J, Tamaki N, Udelson JE, Maddahi J. Assessing myocardial perfusion in suspected coronary artery disease: rationale and design of the second phase 3, open-label multi-center study of flurpiridaz (F-18) injection for positron emission tomography (PET) imaging. *J Nucl Cardiol.* 2021 Jun;28(3):1105-1116. Epub 2021 Jan 31. PMID: 33521873.
<https://pubmed.ncbi.nlm.nih.gov/33521873/>
- 16.** Albert NM, Tyson RJ, Hill CL, DeVore AD, Spertus JA, Duffy C, Butler J, Patterson JH, Hernandez AF, Williams FB, Thomas L, Fonarow GC. Variation in use and dosing escalation of renin angiotensin system, mineralocorticoid receptor antagonist, angiotensin receptor neprilysin inhibitor and beta-blocker therapies in heart failure and reduced ejection fraction: Association of comorbidities. *Am Heart J.* 2021 May;235:82-96. Epub 2021 Jan 23. PMID: 33497697.
<https://pubmed.ncbi.nlm.nih.gov/33497697/>
- 17.** Sawano M, Spertus JA, Masoudi FA, Rumsfeld JS, Numasawa Y, Inohara T, Kennedy K, Ueda I, Miyata H, Fukuda K, Kohsaka S. Bleeding Avoidance Strategies and Percutaneous Coronary Intervention Outcomes: A Ten-year Observation from a Japanese Multicenter Registry: Post-PCI Bleeding Avoidance and Outcomes. *Am Heart J.* 2021 May;235:113-124. Epub 2021 Jan 17. PMID: 33472053.
<https://pubmed.ncbi.nlm.nih.gov/33472053/>

- 18.** Riley RF, Sapontis J, Karpaliotis D, Nicholson WJ, Moses JW, Gosch K, Lombardi WL, Salisbury AC, McCabe JM, Grantham JA. Clinical and health status outcomes among patients treated with single as compared to multivessel angioplasty during chronic total occlusion percutaneous coronary interventions: a report from the OPEN CTO registry. *Coron Artery Dis.* 2021 Mar 1;32(2):112-118. PMID: 33394691.
<https://pubmed.ncbi.nlm.nih.gov/33394691/>
- 19.** Skali H, Murthy VL, Paez D, Choi EM, Keng FYJ, Iain MA, Al-Mallah M, Campisi R, Bateman TM, Carrio I, Beanlands R, Calnon DA, Dilsizian V, Dondi M, Gimelli A, Pagnanelli R, Polk DM, Soman P, Einstein AJ, Dorbala S, Thompson RC. Guidance and Best Practices for Reestablishment of Non-Emergent Care in Nuclear Cardiology Laboratories During the Coronavirus Disease 2019 (COVID-19) Pandemic: An Information Statement from ASNC, IAEA, and SNMMI. *J Nucl Med Technol.* 2021 Mar;49(1):13-18. PMID: 33658252.
<https://pubmed.ncbi.nlm.nih.gov/33658252/>
- 20.** Elkafrawy AA, Ahmed M, Alomari M, Elkaryoni A, Kennedy KF, Clarkston WK, Campbell DR. Safety of gastrointestinal endoscopy in patients with acute coronary syndrome and concomitant gastrointestinal bleeding. *World J Clin Cases.* 2021 Feb 16;9(5):1048-1057. PMID: 33644168.
<https://pubmed.ncbi.nlm.nih.gov/33644168/>
- 21.** Allen KB, Adams JD, Badylak SF, Garrett HE, Mouawad NJ, Oweida SW, Parikshak M, Sultan PK. Extracellular Matrix Patches for Endarterectomy Repair. *Front Cardiovasc Med.* 2021 Feb 11;8:631750. PMID: 33644135.
<https://pubmed.ncbi.nlm.nih.gov/33644135/>
- 22.** Rowan CJ, Eskander MA, Seabright E, Rodriguez DE, Linares EC, Gutierrez RQ, Adrian JC, Cummings D, Beheim B, Tolstrup K, Achrekar A, Kraft T, Michalik DE, Miyamoto MI, Allam AH, Wann LS, Narula J, Trumble BC, Stieglitz J, Thompson RC, Thomas GS, Kaplan HS, Gurven MD. Very Low Prevalence and Incidence of Atrial Fibrillation among Bolivian Forager-Farmers. *Ann Glob Health.* 2021 Feb 16;87(1):18. PMID: 33633929.
<https://pubmed.ncbi.nlm.nih.gov/33633929/>
- 23.** Smolderen KG, Pacheco C, Provance J, Stone N, Fuss C, Decker C, Bunte M, Jelani QU, Safley DM, Secemsky E, Sepucha KR, Spatz ES, Mena-Hurtado C, Spertus JA. Treatment decisions for patients with peripheral artery disease and symptoms of claudication: Development process and alpha testing of the SHOW-ME PAD decision aid. *Vasc Med.* 2021 Feb 25:1358863X20988780. Jun;26(3):273-280. Epub 2021 Feb 25. PMID: 33627058.
<https://pubmed.ncbi.nlm.nih.gov/33627058/>

- 24.** Docherty KF, Curtain JP, Anand IS, Bengtsson O, Inzucchi SE, Køber L, Kosiborod MN, Langkilde AM, Martinez FA, Ponikowski P, Sabatine MS, Schou M, Sjöstrand M, Solomon SD, Jhund PS, McMurray JJV; DAPA-HF Investigators and Committees. Effect of dapagliflozin on anaemia in DAPA-HF. *Eur J Heart Fail.* 2021 Apr;23(4):617-628. Epub 2021 Mar 22. PMID: 33615642.
<https://pubmed.ncbi.nlm.nih.gov/33615642/>
- 25.** Tromp J, Ponikowski P, Salsali A, Angermann CE, Biegus J, Blatchford J, Collins SP, Ferreira JP, Grauer C, Kosiborod M, Nassif ME, Psocka MA, Brueckmann M, Teerlink JR, Voors AA. SGLT2 inhibition in patients hospitalized for acute decompensated heart failure: rationale for and design of the EMPULSE trial. *Eur J Heart Fail.* 2021 May;23(5):826-834. Epub 2021 Mar 10. PMID: 33609072.
<https://pubmed.ncbi.nlm.nih.gov/33609072/>
- 26.** Lehenbauer K. Leading by example: Experiences and lessons learned from ASNC's Future Leaders of Nuclear Cardiology Symposium. *J Nucl Cardiol.* 2021 e Leaders of Nuclear Cardiology Symposium. *J Nucl Cardiol.* 2021 Jun;28(3):1175-1178. Epub 2021 Feb 19. PMID: 33608855.
<https://pubmed.ncbi.nlm.nih.gov/33608855/>
- 27.** Nassif ME, Windsor SL, Tang F, Husain M, Inzucchi SE, McGuire DK, Pitt B, Scirica BM, Austin B, Fong MW, LaRue SJ, Umpierrez G, Hartupee J, Khariton Y, Malik AO, Ogunniyi MO, Wenger NK, Kosiborod MN. Dapagliflozin effects on lung fluid volumes in patients with heart failure and reduced ejection fraction: results from the DEFINE-HF Trial. *Diabetes Obes Metab.* 2021 Jun;23(6):1426-1430. Epub 2021 Mar 26. PMID: 33606921.
<https://pubmed.ncbi.nlm.nih.gov/33606921/>
- 28.** Lam CSP, Karasik A, Melzer-Cohen C, Cavender Md MA, Kohsaka S, Norhammar A, Thuresson M, Chen H, Wittbrodt E, Fenici P, Kosiborod M; CVD-REAL Investigators and Study Group. Association of SGLT2 inhibitors with outcomes in Type 2 diabetes with reduced and preserved left ventricular ejection fraction - Analysis from the CVD-REAL 2 Study. *Diabetes Obes Metab.* 2021 Jun;23(6):1431-1435. Epub 2021 Mar 23. PMID: 33606906.
<https://pubmed.ncbi.nlm.nih.gov/33606906/>
- 29.** Gondi KT, Kao A, Linard J, Austin BA, Everley MP, Fendler TJ, Khumri T, Lawhorn SL, Magalski A, Nassif ME, Sperry BW, Vodnala D, Borkon AM. Single- Center Utilization of Donor-Derived Cell-Free DNA Testing in the Management of Heart Transplant Patients. *Clin Transplant.* 2021 May;35(5):e14258. Epub 2021 Mar 11. PMID: 33606316.
<https://pubmed.ncbi.nlm.nih.gov/33606316/>
- 30.** McCarthy CP, Kolte D, Kennedy KF, Vaduganathan M, Wasfy JH, Januzzi JL Jr. Patient Characteristics and Clinical Outcomes of Type 1 Versus Type 2 Myocardial Infarction. *J Am*

Coll Cardiol. 2021 Feb 23;77(7):848-857. PMID: 33602466.

<https://pubmed.ncbi.nlm.nih.gov/33602466/>

- 31.** Krawisz AK, Rosenfield K, White CJ, Jaff MR, Campbell J, Kennedy K, Tsai T, Hawkins B, Jones S, Secemsky EA. Clinical Impact of Contralateral Carotid Occlusion in Patients Undergoing Carotid Artery Revascularization. *J Am Coll Cardiol.* 2021 Feb 23;77(7):835-844. PMID: 33602464.
<https://pubmed.ncbi.nlm.nih.gov/33602464/>
- 32.** Valgimigli M, Mehran R, Franzone A, da Costa BR, Baber U, Piccolo R, McFadden EP, Vranckx P, Angiolillo DJ, Leonardi S, Cao D, Dangas GD, Mehta SR, Serruys PW, Gibson CM, Steg GP, Sharma SK, Hamm C, Shlofmitz R, Liebetrau C, Briguori C, Janssens L, Huber K, Ferrario M, Kunadian V, Cohen DJ, Zurakowski A, Oldroyd KG, Yaling H, Dudek D, Sartori S, Kirkham B, Escaned J, Heg D, Windecker S, Pocock S, Jüni P; SIDNEY Collaboration. Ticagrelor Monotherapy Versus Dual- Antiplatelet Therapy After PCI: An Individual Patient-Level Meta-Analysis. *JACC Cardiovasc Interv.* 2021 Feb 22;14(4):444-456. PMID: 33602441.
<https://pubmed.ncbi.nlm.nih.gov/33602441/>
- 33.** O'Byrne ML, Kennedy KF, Steven JM, Hill KD, Chamberlain RC, Millenson ME, Smith CL, Dori Y, Gillespie MJ, Rome JJ, Glatz AC. Outcomes of Operator-Directed Sedation and Anesthesiologist Care in the Pediatric/Congenital Catheterization Laboratory: A Study Utilizing Data From the IMPACT Registry. *JACC Cardiovasc Interv.* 2021 Feb 22;14(4):401-413. PMID: 33602437.
<https://pubmed.ncbi.nlm.nih.gov/33602437/>
- 34.** Hejjaji V, Cohen DJ, Carroll JD, Li Z, Manandhar P, Vemulapalli S, Nelson AJ, Malik AO, Mack MJ, Spertus JA, Arnold SV. Practical Application of Patient- Reported Health Status Measures for Transcatheter Valve Therapies: Insights From the Society of Thoracic Surgeons/American College of Cardiology Transcatheter Valve Therapies Registry. *Circ Cardiovasc Qual Outcomes.* 2021 Mar;14(3):e007187. Epub 2021 Feb 18. PMID: 33596663.
<https://pubmed.ncbi.nlm.nih.gov/33596663/>
- 35.** Berg DD, Jhund PS, Docherty KF, Murphy SA, Verma S, Inzucchi SE, Køber L, Kosiborod MN, Langkilde AM, Martinez FA, Bengtsson O, Ponikowski P, Sjöstrand M, Solomon SD, McMurray JJV, Sabatine MS. Time to Clinical Benefit of Dapagliflozin and Significance of Prior Heart Failure Hospitalization in Patients With Heart Failure With Reduced Ejection Fraction. *JAMA Cardiol.* 2021 May 1;6(5):499-507. PMID: 33595593.
<https://pubmed.ncbi.nlm.nih.gov/33595593/>
- 36.** Butt JH, Nicolau JC, Verma S, Docherty KF, Petrie MC, Inzucchi SE, Schou M, Kosiborod MN, Langkilde AM, Martinez FA, Ponikowski P, Sabatine MS, Sjöstrand M, Solomon SD, Bengtsson O, Jhund PS, McMurray JJV, Køber L. Efficacy and Safety of Dapagliflozin According to

Aetiology in Heart Failure with Reduced Ejection Fraction: Insights from the DAPA-HF trial. *Eur J Heart Fail.* 2021 Apr;23(4):601-613. Epub 2021 Mar 10. PMID: 33594755.
<https://pubmed.ncbi.nlm.nih.gov/33594755/>

37. Chan JL, Lehrich J, Nallamothu BK, Tang Y, Kennedy M, Trumpower B, Chan PS; American Heart Association's Get With the Guidelines®-Resuscitation Investigators. Association Between Hospital Resuscitation Champion and Survival for In-Hospital Cardiac Arrest. *J Am Heart Assoc.* 2021 Feb;10(5):e017509. Epub 2021 Feb 15. PMID: 33586451.
<https://pubmed.ncbi.nlm.nih.gov/33586451/>
38. Pershad A, Grantham JA, Thompson CA, Lombardi WL. Misconception in CrossBoss/stingray catheter use-clarification from the hybrid group. *Catheter Cardiovasc Interv.* 2021 Sep;98(3):615. Epub 2021 Feb 15. PMID: 33586303.
<https://pubmed.ncbi.nlm.nih.gov/33586303/>
39. Pajjuru VS, Thandra A, Guddeti RR, Walters RW, Jhand A, Andukuri VG, Alkhouli M, Spertus JA, Md VMA. Sex Differences in Mortality and 90-day Readmission Rates after Transcatheter aortic valve replacement (TAVR): A Nationwide Analysis from the United States. *Eur Heart J Qual Care Clin Outcomes.* 2021 Feb 15:qcab012. [Epub ahead of print] PMID: 33585884.
<https://pubmed.ncbi.nlm.nih.gov/33585884/>
40. Derbas LA, Patel KK, Muskula PR, Wang J, Gosch K, Fitridge R, Spertus JA, Smolderen KG. Variability in utilization of diagnostic imaging tests in patients with symptomatic peripheral artery disease. *Int J Cardiol.* 2021 May 1;330:200-206. Epub 2021 Feb 10. PMID: 33581177.
<https://pubmed.ncbi.nlm.nih.gov/33581177/>
41. Arnold SV, Khunti K, Bonnet F, Charbonnel B, Chen H, Cid-Ruzafa J, Cooper A, Fenici P, Gomes MB, Hammar N, Ji L, Luporini-Saraiva G, Medina J, Nicolucci A, Ramirez L, Shestakova MV, Shimomura I, Surmont F, Tang F, Vora J, Watada H, Kosiborod M; DISCOVER investigators. Type 2 diabetes and heart failure: insights from the global DISCOVER study. *ESC Heart Fail.* 2021 Apr;8(2):1711-1716. Epub 2021 Feb 11. PMID: 33570253.
<https://pubmed.ncbi.nlm.nih.gov/33570253/>
42. Bond RM, Gaither K, Nasser SA, Albert MA, Ferdinand KC, Njoroge JN, Parapid B, Hayes SN, Pegus C, Sogade B, Grodzinsky A, Watson KE, McCullough CA, Ofili E; Association of Black Cardiologists. Working Agenda for Black Mothers: A Position Paper From the Association of Black Cardiologists on Solutions to Improving Black Maternal Health. *Circ Cardiovasc Qual Outcomes.* 2021 Feb;14(2):e007643. Epub 2021 Feb 10. PMID: 33563007.
<https://pubmed.ncbi.nlm.nih.gov/33563007/>
43. Elkaryoni A, Sperry BW, Royce A, Walsh K, Bruno E, Shah S, Darki A, Elgendy IY. Hospitalization Rates Before and After Palliative Care Utilization for Heart Failure Patients

(from a Nationwide Sample). *Am J Cardiol.* 2021 Apr 15;145:169-170. Epub 2021 Feb 6. PMID: 33561424.

<https://pubmed.ncbi.nlm.nih.gov/33561424/>

44. DiNicolantonio JJ, O'Keefe JH. Magnesium and Vitamin D Deficiency as a Potential Cause of Immune Dysfunction, Cytokine Storm and Disseminated Intravascular Coagulation in covid-19 patients. *Mo Med.* 2021 Jan- Feb;118(1):68-73. PMID: 33551489.
<https://pubmed.ncbi.nlm.nih.gov/33551489/>
45. Nassif ME, Qintar M, Windsor SL, Jermyn R, Shavelle DM, Tang F, Lamba S, Bhatt K, Brush J, Civitello A, Gordon R, Jonsson O, Lampert B, Pelzel J, Kosiborod M. Empagliflozin Effects on Pulmonary Artery Pressure in Patients with Heart Failure: Results from EMPagliflozin Evaluation By MeasuRing ImpAct on HemodynamiCs in PatiEnts with Heart Failure (EMBRACE-HF) Trial. *Circulation.* 2021 Apr 27;143(17):1673-1686. Epub 2021 Feb 8. PMID: 33550815.
<https://pubmed.ncbi.nlm.nih.gov/33550815/>
46. Shen L, Kristensen SL, Bengtsson O, Böhm M, de Boer RA, Docherty KF, Inzucchi SE, Katova T, Køber L, Kosiborod MN, Langkilde AM, Lindholm D, Martinez MFA, O'Meara E, Nicolau JC, Petrie MC, Ponikowski P, Sabatine MS, Schou M, Sjöstrand M, Solomon SD, Jhund PS, McMurray JJV. Dapagliflozin in HFrEF Patients Treated With Mineralocorticoid Receptor Antagonists: An Analysis of DAPA-HF. *JACC Heart Fail.* 2021 Apr;9(4):254-264. Epub 2021 Feb 3. PMID: 33549554.
<https://pubmed.ncbi.nlm.nih.gov/33549554/>
47. Arnold SV, Butler J, Spertus JA. Standardizing the standard: reporting health status in clinical trials. *Eur J Heart Fail.* 2021 Feb;23(2):203-204. Epub 2021 Feb 21. PMID: 33543813.
<https://pubmed.ncbi.nlm.nih.gov/33543813/>
48. Safley DM, Salisbury AC, Tsai TT, Secemsky EA, Kennedy KF, Rogers RK, Latif F, Shammam NW, Garcia L, Cavender MA, Rosenfield K, Prasad A, Spertus JA. Acute Kidney Injury Following In-Patient Lower Extremity Vascular Intervention: From the National Cardiovascular Data Registry. *JACC Cardiovasc Interv.* 2021 Feb 8;14(3):333-341. PMID: 33541543.
<https://pubmed.ncbi.nlm.nih.gov/33541543/>
49. Heerspink HJL, Sjöström CD, Jongs N, Chertow GM, Kosiborod M, Hou FF, McMurray JJV, Rossing P, Correa-Rotter R, Kurlyandskaya R, Stefansson BV, Toto RD, Langkilde AM, Wheeler DC; DAPA-CKD Trial Committees and Investigators. Effects of dapagliflozin on mortality in patients with chronic kidney disease: a pre-specified analysis from the DAPA-CKD randomized controlled trial. *Eur Heart J.* 2021 Mar 31;42(13):1216-1227. PMID: 33792669.
<https://pubmed.ncbi.nlm.nih.gov/33792669/>

50. Hejjaji V, Khetan A, Hughes JW, Gupta P, Jones PG, Ahmed A, Mohan SKM, Josephson RA. A combined community health worker and text messagingbased intervention for smoking cessation in India: Project MUKTI - A mixed methods study. *Tob Prev Cessat*. 2021 Mar 29;7:23. PMID: 33791445.
<https://pubmed.ncbi.nlm.nih.gov/33791445/>
51. Bateman TM, Heller GV, Beanlands R, Calnon DA, Case J, deKemp R, DePuey EG, Di Carli M, Guler EC, Murthy VL, Rosenblatt J, Sher R, Slomka P, Ruddy TD. Practical guide for interpreting and reporting cardiac PET measurements of myocardial blood flow: an Information Statement from the American Society of Nuclear Cardiology, and the Society of Nuclear Medicine and Molecular Imaging. *J Nucl Med*. 2021 Nov;62(11):1599-1615. Epub 2021 Mar 31. PMID: 33789935.
<https://pubmed.ncbi.nlm.nih.gov/33789935/>
52. Butt JH, Docherty KF, Petrie MC, Schou M, Kosiborod MN, O'Meara E, Katova T, Ljungman CEA, Diez M, Ogunniyi MO, Langkilde AM, Sjöstrand M, Lindholm D, Bengtsson O, Martinez FA, Ponikowski P, Sabatine MS, Solomon SD, Jhund PS, McMurray JJV, Køber L. Efficacy and Safety of Dapagliflozin in Men and Women With Heart Failure With Reduced Ejection Fraction: A Prespecified Analysis of the Dapagliflozin and Prevention of Adverse Outcomes in Heart Failure Trial. *JAMA Cardiol*. 2021 Jun 1;6(6):678-689. PMID: 33787831.
<https://pubmed.ncbi.nlm.nih.gov/33787831/>
53. Greene SJ, Butler J, Spertus JA, Hellkamp AS, Vaduganathan M, DeVore AD, Albert NM, Duffy CI, Patterson JH, Thomas L, Williams FB, Hernandez AF, Fonarow GC. Comparison of New York Heart Association Class and Patient-Reported Outcomes for Heart Failure With Reduced Ejection Fraction. *JAMA Cardiol*. 2021 May 1;6(5):522-531. PMID: 33760037.
<https://pubmed.ncbi.nlm.nih.gov/33760037/>
54. Sammour Y, DeZorzi C, Austin BA, Borkon AM, Everley MP, Fendler TJ, Khumri TM, Lawhorn SL, Nassif ME, Vodnala D, Magalski A, Kao AC, Sperry BW. PCSK9 Inhibitors in Heart Transplant Patients: Safety, Efficacy, and Angiographic Correlates. *J Card Fail*. 2021 Jul;27(7):812-815. Epub 2021 Mar 20. PMID: 33753241.
<https://pubmed.ncbi.nlm.nih.gov/33753241/>
55. Schunk SJ, Kleber ME, März W, Pang S, Zewinger S, Triem S, Ege P, Reichert MC, Krawczyk M, Weber SN, Jaumann I, Schmit D, Sarakpi T, Wagenpfeil S, Kramann R, Boerwinkle E, Ballantyne CM, Grove ML, Tragante V, Pilbrow AP, Richards AM, Cameron VA, Doughty RN, Dubé MP, Tardif JC, Feroz-Zada Y, Sun M, Liu C, Ko YA, Quyyumi AA, Hartiala JA, Tang WHW, Hazen SL, Allayee H, McDonough CW, Gong Y, Cooper-DeHoff RM, Johnson JA, Scholz M, Teren A, Burkhardt R, Martinsson A, Smith JG, Wallentin L, James SK, Eriksson N, White H, Held C, Waterworth D, Trompet S, Jukema JW, Ford I, Stott DJ, Sattar N, Cresci S, Spertus JA, Campbell H, Tierling S, Walter J, Ampofo E, Niemeyer BA, Lipp P, Schunkert H, Böhm M,

Koenig W, Fliser D, Laufs U, Speer T; eQTLGen consortium†; BIOS consortium‡. Genetically determined NLRP3 inflammasome activation associates with systemic inflammation and cardiovascular mortality. *Eur Heart J*. 2021 May 7;42(18):1742-1756. PMID: 33748830.
<https://pubmed.ncbi.nlm.nih.gov/33748830/>

56. Handberg EM, Merz CNB, Cooper-Dehoff R, Wei J, Conlon M, Lo MC, Boden W, Frayne SM, Villines T, Spertus JA, Weintraub W, O'Malley P, Chaitman B, Shaw LJ, Budoff M, Rogatko A, Pepine CJ. Rationale and Design of the Women's IschemiA TRial to Reduce Events In Non-ObstRuctive CAD (WARRIOR) Trial. *Am Heart J*. 2021 Jul;237:90-103. Epub 2021 Mar 18. PMID: 33745898.
<https://pubmed.ncbi.nlm.nih.gov/33745898/>
57. Sammour Y, Nassif M, Magwire M, Thomas M, Fendler T, Khumri T, Sperry BW, O'Keefe J, Kosiborod M. Effects of GLP-1 receptor agonists and SGLT-2 inhibitors in heart transplant patients with type 2 diabetes: Initial report from a cardiometabolic center of excellence. *J Heart Lung Transplant*. 2021 Jun;40(6):426-429. Epub 2021 Feb 22. PMID: 33745782.
<https://pubmed.ncbi.nlm.nih.gov/33745782/>
58. Spertus JA, Birmingham MC, Butler J, Lingvay I, Lanfear DE, Abbate A, Kosiborod ML, Fawcett C, Burton P, Damaraju CV, Januzzi JL, Whang J. Novel Trial Design: CHIEF-HF. *Circ Heart Fail*. 2021 Mar;14(3):e007767. Epub 2021 Mar 16. PMID: 33724883.
<https://pubmed.ncbi.nlm.nih.gov/33724883/>
59. Thomas M, Jones PG, Cohen DJ, Arnold SV, Magnuson EA, Wang K, Thourani VH, Fonarow GC, Sandhu AT, Spertus JA. Predicting the EQ-5D from the Kansas City Cardiomyopathy Questionnaire (KCCQ) in Patients with Heart Failure. *Eur Heart J Qual Care Clin Outcomes*. 2021 Jul 21;7(4):388-396. PMID: 33724402.
<https://pubmed.ncbi.nlm.nih.gov/33724402/>
60. Khera R, Haimovich J, Hurley NC, McNamara R, Spertus JA, Desai N, Rumsfeld JS, Masoudi FA, Huang C, Normand SL, Mortazavi BJ, Krumholz HM. Use of Machine Learning Models to Predict Death After Acute Myocardial Infarction. *JAMA Cardiol*. 2021 Jun 1;6(6):633-641. PMID: 33688915.
<https://pubmed.ncbi.nlm.nih.gov/33688915/>
61. Jain SS, Cohen DJ, Zhang Z, Uriel N, Sayer G, Lindenfeld J, Abraham WT, Mack MJ, Stone GW, Arnold SV. Defining a Clinically Important Change in 6-Minute Walk Distance in Patients With Heart Failure and Mitral Valve Disease. *Circ Heart Fail*. 2021 Mar;14(3):e007564. Epub 2021 Mar 5. PMID: 33663234.
<https://pubmed.ncbi.nlm.nih.gov/33663234/>

- 62.** Kosiborod M, Berwanger O, Koch GG, Martinez F, Mukhtar O, Verma S, Chopra V, Javaheri A, Ambery P, Gasparyan SB, Buenconsejo J, Sjöström CD, Langkilde AM, Oscarsson J, Esterline R. Effects of Dapagliflozin on Prevention of Major Clinical Events and Recovery in Patients with Respiratory Failure due to COVID-19: The Design and Rationale for the DARE-19 study. *Diabetes Obes Metab.* 2021 Apr;23(4):886-896. Epub 2021 Jan 19. PMID: 33319454.
<https://pubmed.ncbi.nlm.nih.gov/33319454/>
- 63.** Chan PS, Girotra S, Tang Y, Al-Araji R, Nallamothu BK, McNally B. Outcomes for Out-of-Hospital Cardiac Arrest in the United States During the Coronavirus Disease 2019 Pandemic. *JAMA Cardiol.* 2021 Mar 1;6(3):296-303. PMID: 33188678.
<https://pubmed.ncbi.nlm.nih.gov/33188678/>
- 64.** Pandey A, Vaduganathan M, Patel KV, Ayers C, Ballantyne CM, Kosiborod MN, Carnethon M, DeFilippi C, McGuire DK, Khan SS, Caughey MC, de Lemos JA, Everett BM. Biomarker-Based Risk Prediction of Incident Heart Failure in Pre-Diabetes and Diabetes. *JACC Heart Fail.* 2021 Mar;9(3):215-223. Epub 2021 Jan 6. PMID: 33422434.
<https://pubmed.ncbi.nlm.nih.gov/33422434/>
- 65.** Bunte MC, Gosch K, Elkaryoni A, Noman A, Johnson E, Jones P, Indaram MB, Vupputuri S. Bleeding, death, and costs of care during hospitalization for acute pulmonary embolism: Insights from the Saint Luke's Outcomes of Pulmonary Embolism (SLOPE) study. *Vasc Med.* 2021 Feb;26(1):28-37. Epub 2020 Nov 23. PMID: 33227228.
<https://pubmed.ncbi.nlm.nih.gov/33227228/>
- 66.** Ding Q, Spatz ES, Lipska KJ, Lin H, Spertus JA, Dreyer RP, Whittemore R, Funk M, Bueno H, Krumholz HM. Newly diagnosed diabetes and outcomes after acute myocardial infarction in young adults. *Heart.* 2021 Apr;107(8):657-666. Epub 2020 Oct 20. PMID: 33082173.
<https://pubmed.ncbi.nlm.nih.gov/33082173/>
- 67.** Jhund PS, Ponikowski P, Docherty KF, Gasparyan SB, Böhm M, Chang CE, Desai AS, Howlett J, Kitakaze M, Petrie MC, Verma S, Bengtsson O, Langkilde AM, Sjöstrand M, Inzucchi SE, Køber L, Kosiborod MN, Martinez FA, Sabatine MS, Solomon SD, McMurray JJV. Dapagliflozin and Recurrent Heart Failure Hospitalizations in Heart Failure with Reduced Ejection Fraction: An Analysis of DAPA-HF. *Circulation.* 2021 May 18;143(20):1962-1972. Epub 2021 Apr 9. PMID: 33832352.
<https://pubmed.ncbi.nlm.nih.gov/33832352/>
- 68.** Sperry BW, Qarajeh R, Omer MA, Brandt H, Safley D, Borkon AM, Everley MP, Fendler TJ, Khumri TM, Lawhorn SL, Magalski A, Nassif ME, Vodnala D, Kao AC, Austin BA. Influence of Donor Transmitted and Rapidly Progressive Coronary Vascular Disease on Long Term Outcomes After Heart Transplantation: A Contemporary Intravascular Ultrasound Analysis. *J*

Card Fail. 2021 Apr;27(4):464-472. Epub 2021 Jan 21. PMID: 33358960.

<https://pubmed.ncbi.nlm.nih.gov/33358960/>

69. Malik AO, Amin A, Kennedy K, Qintar M, Shafiq A, Mehran R, Spertus JA. Patient-centered contrast thresholds to reduce acute kidney injury in high-risk patients undergoing percutaneous coronary intervention. *Am Heart J*. 2021 Apr;234:51-59. Epub 2021 Jan 25. PMID: 33359778.
<https://pubmed.ncbi.nlm.nih.gov/33359778/>
70. Wohlfahrt P, Nativi-Nicolau J, Zhang M, Selzman CH, Greene T, Conte J, Biber JE, Hess R, Mondesir FL, Wever-Pinzon O, Drakos SG, Gilbert EM, Kemeyou L, LaSalle B, Steinberg BA, Shah RU, Fang JC, Spertus JA, Stehlik J. Quality of Life in Patients With Heart Failure With Recovered Ejection Fraction. *JAMA Cardiol*. 2021 Aug 1;6(8):957-962. PMID: 33950162.
<https://pubmed.ncbi.nlm.nih.gov/33950162/>
71. Magnuson EA, Li H, Vilain K, Armstrong EJ, Secemsky EA, Giannopoulos S, Adams GL, Mustapha J, Cohen DJ; LIBERTY 360° Trial Investigators. Two-year PAD- related health care costs in patients undergoing lower extremity endovascular revascularization: Results from the LIBERTY 360° trial. *J Med Econ*. 2021 Jan-Dec 2021;24(1):570-580. PMID: 33866936.
<https://pubmed.ncbi.nlm.nih.gov/33866936/>
72. Desai ND, O'Brien SM, Cohen DJ, Carroll J, Vemulapalli S, Arnold SV, Forrest JK, Thourani VH, Kirtane AJ, O'Neill B, Manandhar P, Shahian DM, Badhwar V, Bavaria JE. A Composite Metric for Benchmarking Site Performance in TAVR: Results from the STS/ACC TVT Registry. *Circulation*. 2021 May 5. Jul 20;144(3):186-194. Epub 2021 May 5. PMID: 33947202.
<https://pubmed.ncbi.nlm.nih.gov/33947202/>
73. Peri-Okonny PA, Wang J, Gosch KL, Patel MR, Shishehbor MH, Safley DL, Abbott JD, Aronow HD, Mena-Hurtado C, Jelani QU, Tang Y, Bunte M, Labrosciano C, Beltrame JF, Spertus JA, Smolderen KG. Establishing Thresholds for Minimal Clinically Important Differences for the Peripheral Artery Disease Questionnaire. *Circ Cardiovasc Qual Outcomes*. 2021 May;14(5):e007232. Epub 2021 May 5. PMID: 33947205.
<https://pubmed.ncbi.nlm.nih.gov/33947205/>
74. Panzer S, Augat P, Sprenger M, Zesch S, Rosendahl W, Sutherland ML, Thompson RC, Paladin A, Zink AR; EURAC and HORUS Study Teams. Correlation of atherosclerosis and osteoarthritis in ancient Egypt: A standardized evaluation of 45 whole-body CT examinations. *Int J Paleopathol*. 2021 Jun;33:137-145. Epub 2021 Apr 27. PMID: 33930634.
<https://pubmed.ncbi.nlm.nih.gov/33930634/>
75. Mohammed M, Ramirez R, Steinhaus DA, Yousuf OK, Giocondo MJ, Ramza BM, Wimmer AP, Gupta SK. Comparative outcomes of vascular access closure methods following atrial

fibrillation/flutter catheter ablation: insights from Vascular Closure for Cardiac Ablation Registry. *J Interv Card Electrophysiol.* 2021 Apr 2. [Epub ahead of print] PMID: 33796968.
<https://pubmed.ncbi.nlm.nih.gov/33796968/>

- 76.** Thomas M, Khariton Y, Fonarow GC, Arnold SV, Hill L, Nassif ME, Chan PS, Butler J, Thomas L, DeVore AD, Hernandez AF, Albert NM, Patterson JH, Williams FB, Spertus JA. Association between sacubitril/valsartan initiation and real-world health status trajectories over 18 months in heart failure with reduced ejection fraction. *ESC Heart Fail.* 2021 Aug;8(4):2670-2678. Epub 2021 May 1. PMID: 33932120.
<https://pubmed.ncbi.nlm.nih.gov/33932120/>
- 77.** Dunn AN, Huded C, Raymond R, Lincoff AM, Bajzer C, Kapadia S, Ellis SG. Successful modeling of long term outcomes in end-stage renal disease patients undergoing percutaneous coronary intervention with drug-eluting stents. *Catheter Cardiovasc Interv.* 2021 Aug 1;98(2):208-214. Epub 2021 Apr 29. PMID: 33913614.
<https://pubmed.ncbi.nlm.nih.gov/33913614/>
- 78.** Omer MA, Brilakis ES, Kennedy KF, Alkhouli M, Elgendy IY, Chan PS, Spertus JA. Multivessel Versus Culprit-Vessel Percutaneous Coronary Intervention in Patients With Non-ST-Segment Elevation Myocardial Infarction and Cardiogenic Shock. *JACC Cardiovasc Interv.* 2021 May 24;14(10):1067-1078. Epub 2021 Apr 28. PMID: 33933384.
<https://pubmed.ncbi.nlm.nih.gov/33933384/>
- 79.** Khunti K, Charbonnel B, Cooper A, Gomes MB, Ji L, Leigh P, Nicolucci A, Rathmann W, Shestakova MV, Siddiqui A, Tang F, Watada H, Chen H; DISCOVER investigators. Associations between second-line glucose-lowering combination therapies with metformin and HbA1c, body weight, quality of life, hypoglycaemic events and glucose-lowering treatment intensification: The DISCOVER study. *Diabetes Obes Metab.* 2021 Aug;23(8):1823-1833. Epub 2021 May 3. PMID: 33852202.
<https://pubmed.ncbi.nlm.nih.gov/33852202/>
- 80.** Mukherjee M, Mercurio V, Hsu S, Mayer SA, Mathai SC, Hummers LK, Kass DA, Hassoun PM, Wigley FM, Tedford RJ, Shah AA. Assessment of right ventricular reserve utilizing exercise provocation in systemic sclerosis. *Int J Cardiovasc Imaging.* 2021 Jul;37(7):2137-2147. Epub 2021 Apr 16. PMID: 33860914.
<https://pubmed.ncbi.nlm.nih.gov/33860914/>
- 81.** Khunti K, Charbonnel B, Chen H, Cherney DZ, Cooper A, Fenici P, Gomes MB, Hammar N, Heerspink HJL, Ji L, Medina J, Nicolucci A, Ramirez L, Rathmann W, Shestakova MV, Shimomura I, Tang F, Watada H, Kosiborod M; DISCOVER Investigators. Prevalence and progression of chronic kidney disease among patients with type 2 diabetes: Insights from the

DISCOVER study. *Diabetes Obes Metab.* 2021 Aug;23(8):1956-1960. Epub 2021 May 3. PMID: 33852196.

<https://pubmed.ncbi.nlm.nih.gov/33852196/>

- 82.** Bongaerts B, Arnold SV, Charbonnel BH, Chen H, Cooper A, Fenici P, Gomes M, Ji L, Khunti K, Kosiborod M, Medina J, Nicolucci A, Shestakova M, Shimomura I, Tang F, Watada H, Rathmann W. Inappropriate intensification of glucose-lowering treatment in older patients with type 2 diabetes: the global DISCOVER study. *BMJ Open Diabetes Res Care.* 2021 May;9(1):e001585. PMID: 33941550.
<https://pubmed.ncbi.nlm.nih.gov/33941550/>
- 83.** Khunti K, Davies MJ, Kosiborod MN, Nauck MA. Long COVID - metabolic risk factors and novel therapeutic management. *Nat Rev Endocrinol.* 2021 Jul;17(7):379-380. PMID: 33875855.
<https://pubmed.ncbi.nlm.nih.gov/33875855/>
- 84.** Ejaz A, Malik AO, Lopez-Candales A. Ambient air pollution and cardiovascular disease: learnt from the COVID-19 pandemic. *Postgrad Med.* 2021 Aug;133(6):587-588. Epub 2021 May 11. PMID: 33888043.
<https://pubmed.ncbi.nlm.nih.gov/33888043/>
- 85.** Castro-Dominguez YS, Wang Y, Mingos KE, McNamara RL, Spertus JA, Dehmer GJ, Messenger JC, Lavin K, Anderson C, Blankinship K, Mercado N, Clary JM, Osborne AD, Curtis JP, Cavender MA. Predicting In-Hospital Mortality in Patients Undergoing Percutaneous Coronary Intervention. *J Am Coll Cardiol.* 2021 Jul 20;78(3):216-229. Epub 2021 May 3. PMID: 33957239.
<https://pubmed.ncbi.nlm.nih.gov/33957239/>
- 86.** Costanzo MR, Javaheri S, Ponikowski P, Oldenburg O, Augostini R, Goldberg LR, Stellbrink C, Fox H, Schwartz AR, Gupta S, McKane S, Meyer TE, Abraham WT; remedē®System Pivotal Trial Study Group. Transvenous Phrenic Nerve Stimulation for Treatment of Central Sleep Apnea: Five-Year Safety and Efficacy Outcomes. *Nat Sci Sleep.* 2021 Apr 29;13:515-526. PMID: 33953626.
<https://pubmed.ncbi.nlm.nih.gov/33953626/>
- 87.** Hedrick J, Bennett V, Carpenter J, Dercher L, Grandstaff D, Gosch K, Grier L, Meek V, Poskin M, Shotton E, Waterman J. A descriptive study of adverse childhood experiences and depression, anxiety, and stress among undergraduate nursing students. *J Prof Nurs.* 2021 Mar-Apr;37(2):291-297. Epub 2021 Jan 20. PMID: 33867083.
<https://pubmed.ncbi.nlm.nih.gov/33867083/>

- 88.** Kotini-Shah P, Del Rios M, Khosla S, Pugach O, Vellano K, McNally B, Vanden Hoek T, Chan PS. Sex differences in outcomes for out-of-hospital cardiac arrest in the United States. *Resuscitation*. 2021 Jun;163:6-13. Epub 2021 Mar 30. PMID: 33798627.
<https://pubmed.ncbi.nlm.nih.gov/33798627/>
- 89.** Jankowska EA, Kirwan BA, Kosiborod M, Butler J, Anker SD, McDonagh T, Dorobantu M, Drozd J, Filippatos G, 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, Friede T, Fabien V, Dorigotti F, Pocock S, Ponikowski P. The effect of intravenous ferric carboxymaltose on health-related quality of life in iron-deficient patients with acute heart failure: the results of the AFFIRM-AHF study. *Eur Heart J*. 2021 Jun 3:ehab234. [Epub ahead of print] PMID: 34080008.
<https://pubmed.ncbi.nlm.nih.gov/34080008/>
- 90.** Reynolds HR, Picard MH, Spertus JA, Peteiro J, Lopez-Sendon JL, Senior R, El-Hajjar MC, Celutkiene J, Shapiro MD, Pellikka PA, Kunichoff DF, Anthopolos R, Alfakih K, Abdul-Nour K, Khouri M, Bershtein L, De Belder M, Poh KK, Beltrame JF, Min JK, Fleg JL, Li Y, Maron DJ, Hochman JS. Natural History of Patients with Ischemia and No Obstructive Coronary Artery Disease: The CIAO-ISCHEMIA Study. *Circulation*. 2021 Sep 28;144(13):1008-1023. Epub 2021 Jun 1. PMID: 34058845.
<https://pubmed.ncbi.nlm.nih.gov/34058845/>
- 91.** Gans BD, Neunuebel AD, Umbarger LJ, Trumble BC, Cummings DK, Wann LS, Lehenbauer KR, Mahadev A, Rodriguez DE, Michalik DE, Rowan CJ, Finch CE, Sutherland ML, Sutherland JD, Allam AH, Stieglitz J, Gurven M, Kaplan H, Thomas GS, Thompson RC; Tsimane Health and Life History Project and the HORUS Study Teams. High prevalence of sternal foramina in indigenous Bolivians compared to Midwest Americans and indigenous North Americans (sternal foramina in indigenous Bolivians). *Anat Sci Int*. 2021 Sep;96(4):517-523. Epub 2021 May 30. PMID: 34053001.
<https://pubmed.ncbi.nlm.nih.gov/34053001/>
- 92.** Solomon SD, de Boer RA, DeMets D, Hernandez AF, Inzucchi SE, Kosiborod MN, Lam CSP, Martinez F, Shah SJ, Lindholm D, Wilderäng U, Öhrn F, Claggett B, Langkilde AM, Petersson M, McMurray JJV. Dapagliflozin in Heart Failure with Preserved and Mildly Reduced Ejection Fraction: Rationale and Design of the DELIVER Trial. *Eur J Heart Fail*. 2021 Jul;23(7):1217-1225. Epub 2021 Jun 9. PMID: 34051124.
<https://pubmed.ncbi.nlm.nih.gov/34051124/>
- 93.** DeZorzi C, Marsh A, Binkley T, Fleddermann A, Gratton T, Main ML, Jones P, Magalski A. A novel echocardiographic approach for assessing coronary artery origins. *Echocardiography*.

2021 Jul;38(7):1179-1185. Epub 2021 May 28. PMID: 34047394.

<https://pubmed.ncbi.nlm.nih.gov/34047394/>

- 94.** Kar S, Mack MJ, Lindenfeld J, Abraham WT, Asch FM, Weissman NJ, Enriquez- Sarano M, Lim DS, Mishell JM, Whisenant BK, Rogers JH, Arnold SV, Cohen DJ, Grayburn PA, Stone GW. Relationship Between Residual Mitral Regurgitation and Clinical and Quality-of-Life Outcomes After Transcatheter and Medical Treatments in Heart Failure: The COAPT Trial. *Circulation*. 2021 Aug 10;144(6):426-437. Epub 2021 May 27. PMID: 34039025.
<https://pubmed.ncbi.nlm.nih.gov/34039025/>
- 95.** Irimia A, Chaudhari NN, Robles DJ, Rostowsky KA, Maher AS, Chowdhury NF, Calvillo M, Ngo V, Gatz M, Mack WJ, Law EM, Sutherland ML, Sutherland JD, Rowan CJ, Wann LS, Allam AH, Thompson RC, Michalik DE, Cummings DK, Seabright E, Alami S, Garcia AR, Hooper PL, Stieglitz J, Trumble BC, Gurven MD, Thomas GS, Finch CE, Kaplan H. The indigenous South American Tsimane exhibit relatively modest decrease in brain volume with age despite high systemic inflammation. *J Gerontol A Biol Sci Med Sci*. 2021 Nov 15;76(12):2147-2155. PMID: 34038540.
<https://pubmed.ncbi.nlm.nih.gov/34038540/>
- 96.** Parizo JT, Goldhaber-Fiebert JD, Salomon JA, Khush KK, Spertus JA, Heidenreich PA, Sandhu AT. Cost-effectiveness of Dapagliflozin for Treatment of Patients With Heart Failure With Reduced Ejection Fraction. *JAMA Cardiol*. 2021 Aug 1;6(8):926-935. PMID: 34037681.
<https://pubmed.ncbi.nlm.nih.gov/34037681/>
- 97.** Pellicori P, Fitchett D, Kosiborod M, Ofstad AP, Seman L, Zinman B, Zwiener I, Wanner C, George J, Inzucchi SE, Testani J, Cleland JGF. Use of diuretics and outcomes in patients with type 2 diabetes: Findings from the EMPA-REG OUTCOME trial. *Eur J Heart Fail*. 2021 Jul;23(7):1085-1093. Epub 2021 Jun 28. PMID: 34031968.
<https://pubmed.ncbi.nlm.nih.gov/34031968/>
- 98.** Spertus JA, Fine JT, Elliott P, Ho CY, Olivotto I, Saberi S, Li W, Dolan C, Reaney M, Sehnert AJ, Jacoby D. Mavacamten for treatment of symptomatic obstructive hypertrophic cardiomyopathy (EXPLORER-HCM): health status analysis of a randomised, double-blind, placebo-controlled, phase 3 trial. *Lancet*. 2021 Jun 26;397(10293):2467-2475. Epub 2021 May 15. PMID: 34004177.
<https://pubmed.ncbi.nlm.nih.gov/34004177/>
- 99.** Main ML, Fu JW, Gundrum J, LaPointe NA, Gillam LD, Mulvagh SL. Impact of Contrast Echocardiography on Outcomes in Critically Ill Patients. *Am J Cardiol*. 2021 Jul 1;150:117-122. Epub 2021 May 15. PMID: 34001340.
<https://pubmed.ncbi.nlm.nih.gov/34001340/>

- 100.** Leiter LA, Bhatt DL, McGuire DK, Teoh H, Fox K, Simon T, Mehta SR, Lev EI, Kiss RG, Dalby AJ, Bueno H, Ridderstråle W, Himmelmann A, Prats J, Liu Y, Lee JJ, Amerena J, Kosiborod MN, Steg PG; THEMIS Steering Committee and Investigators. Diabetes-Related Factors and the Effects of Ticagrelor Plus Aspirin in the THEMIS and THEMIS-PCI Trials. *J Am Coll Cardiol.* 2021 May 18;77(19):2366-2377. PMID: 33985681.
<https://pubmed.ncbi.nlm.nih.gov/33985681/>
- 101.** Gubitosi-Klug R, Gao X, Pop-Busui R, de Boer IH, White N, Aiello LP, Miller R, Palmer J, Tamborlane W, Wallia A, Kosiborod M, Lachin JM, Bebu I; DCCT/EDIC Research Group. Associations of Microvascular Complications With the Risk of Cardiovascular Disease in Type 1 Diabetes. *Diabetes Care.* 2021 Jul;44(7):1499-1505. Epub 2021 May 12. PMID: 33980605.
<https://pubmed.ncbi.nlm.nih.gov/33980605/>
- 102.** Lindner JR, Belcik T, Main ML, Montanaro A, Mulvagh SL, Olson J, Olyaei A, Porter TR, Senior R. Expert Consensus Statement from the American Society of Echocardiography on Hypersensitivity Reactions to Ultrasound Enhancing Agents in Patients with Allergy to Polyethylene Glycol. *J Am Soc Echocardiogr.* 2021 Jul;34(7):707-708. Epub 2021 May 7. PMID: 33971277.
<https://pubmed.ncbi.nlm.nih.gov/33971277/>
- 103.** Telukuntla KS, Huded CP, Shao M, Sobol T, Abdallah M, Kravitz K, Hulseman M, Barzilai B, Starling RC, Svensson LG, Nissen SE, Khot UN. Impact of an electronic medical record-based appointment order on outpatient cardiology follow-up after hospital discharge. *NPJ Digit Med.* 2021 May 6;4(1):77. PMID: 33958680.
<https://pubmed.ncbi.nlm.nih.gov/33958680/>
- 104.** Khan JM, Babaliaros VC, Greenbaum AB, Spies C, Daniels D, Depta JP, Oldemeyer JB, Whisenant B, McCabe JM, Muhammad KI, George I, Mahoney P, Lanz J, Laham RJ, Shah PB, Chhatriwalla A, Yazdani S, Hanzel G, Pershad A, Leonardi RA, Khalil R, Tang GHL, Herrmann HC, Agarwal S, Fail PS, Zhang M, Pop A, Lisko J, Perdoncin E, Koch RL, Ben-Dor I, Satler LF, Zhang C, Cohen JE, Lederman RJ, Waksman R, Rogers T. Preventing Coronary Obstruction During Transcatheter Aortic Valve Replacement: Results From the Multicenter International BASILICA Registry. *JACC Cardiovasc Interv.* 2021 May 10;14(9):941-948. Epub 2021 Mar 6. PMID: 33958168.
<https://pubmed.ncbi.nlm.nih.gov/33958168/>
- 105.** Thomas M, Spertus JA, Kennedy KF, Thompson RC, Chan PS, Bateman TM, Patel KK. Reasons for discordance between positron emission tomography (PET) myocardial perfusion imaging (MPI) results and subsequent management. *J Nucl Cardiol.* 2021 Jun 24. [Epub ahead of print] PMID: 34169476.
<https://pubmed.ncbi.nlm.nih.gov/34169476/>

- 106.** DiNicolantonio J, O'Keefe JH. Does Fish Oil Reduce the Risk of Cardiovascular Events and Death? Recent Level 1 Evidence Says Yes: PRO: Fish Oil is Useful to Prevent or Treat Cardiovascular Disease. *Mo Med*. 2021 May-Jun;118(3):214-218. PMID: 34149080.
<https://pubmed.ncbi.nlm.nih.gov/34149080/>
- 107.** Janson CM, Shah MJ, Kennedy KF, Iyer VR, Sweeten TL, Glatz AC, Steven JM, O'Byrne ML. Comparison of Outcomes of Pediatric Catheter Ablation by Anesthesia Strategy: A Report from the NCDR® IMPACT Registry. *Circ Arrhythm Electrophysiol*. 2021 Jul;14(7):e009849. Epub 2021 Jun 17. PMID: 34137629.
<https://pubmed.ncbi.nlm.nih.gov/34137629/>
- 108.** Cannon CP, de Lemos JA, Rosenson RS, Ballantyne CM, Liu Y, Gao Q, Palagashvilli T, Alam S, Mues KE, Bhatt DL, Kosiborod MN; GOULD Investigators. Use of Lipid-Lowering Therapies Over 2 Years in GOULD, a Registry of Patients With Atherosclerotic Cardiovascular Disease in the US. *JAMA Cardiol*. 2021 Jun 16. [Epub ahead of print] PMID: 34132735.
<https://pubmed.ncbi.nlm.nih.gov/34132735/>
- 109.** Verma S, Leiter LA, Zinman B, Sharma A, Mattheus M, Fitchett D, George J, Ofstad AP, Kosiborod MN, Wanner C, Inzucchi SE. Time to cardiovascular benefits of empagliflozin: a post hoc observation from the EMPA-REG OUTCOME trial. *ESC Heart Fail*. 2021 Aug;8(4):2603-2607. Epub 2021 Jun 16. PMID: 34132492.
<https://pubmed.ncbi.nlm.nih.gov/34132492/>
- 110.** Arnold SV, Petrossian G, Reardon MJ, Kleiman NS, Yakubov SJ, Wang K, Hermiller J Jr, Harrison JK, Deeb GM, Huang J, Cohen DJ; US CoreValve Investigators. Five-Year Clinical and Quality of Life Outcomes From the CoreValve US Pivotal Extreme Risk Trial. *Circ Cardiovasc Interv*. 2021 Jun;14(6):e010258. Epub 2021 Jun 7. PMID: 34092091.
<https://pubmed.ncbi.nlm.nih.gov/34092091/>
- 111.** Pecoits-Filho R, James G, Carrero JJ, Wittbrodt E, Fishbane S, Sultan AA, Heerspink HJL, Hedman K, Kanda E, Chen HT, Kashihara N, Sloand J, Kosiborod M, Kumar S, Lainscak M, Arnold M, Lam CSP, Holmqvist B, Pollock C, Fenici P, Stenvinkel P, Medin J, Wheeler DC. Methods and rationale of the DISCOVER CKD global observational study. *Clin Kidney J*. 2021 Apr 11;14(6):1570-1578. PMID: 34249352.
<https://pubmed.ncbi.nlm.nih.gov/34249352/>
- 112.** Raja A, Spertus J, Yeh RW, Secemsky EA. Assessing Health-Related Quality of Life among Patients with Peripheral Artery Disease: A Review of the Literature and Focus on Patient-Reported Outcome Measures. *Vasc Med*. 2021 Jun;26(3):317-325. Epub 2020 Dec 9. PMID: 33295253.
<https://pubmed.ncbi.nlm.nih.gov/33295253/>

- 113.** Nikolovski J, Koldijk M, Weverling GJ, Spertus J, Turakhia M, Saxon L, Gibson M, Whang J, Sarich T, Zambon R, Ezeanochie N, Turgiss J, Jones R, Stoddard J, Burton P, Navar AM. Factors indicating intention to vaccinate with a COVID-19 vaccine among older U.S. adults. *PLoS One*. 2021 May 24;16(5):e0251963. PMID: 34029345.
<https://pubmed.ncbi.nlm.nih.gov/34029345/>
- 114.** Benjamin EJ, Valentine CM, Oetgen WJ, Sheehan KA, Brindis RG, Roach WH Jr, Harrington RA, Levine GN, Redberg RF, Broccolo BM, Hernandez AF, Douglas PS, Piña IL, Benjamin EJ, Coylewright MJ, Saucedo JF, Ferdinand KC, Hayes SN, Poppas A, Furie KL, Mehta LS, Erwin JP 3rd, Mieres JH, Murphy DJ Jr, Weissman G, West CP, Lawrence WE Jr, Masoudi FA, Jones CP, Matlock DD, Miller JE, Spertus JA, Todman L, Biga C, Chazal RA, Creager MA, Fry ET, Mack MJ, Yancy CW, Anderson RE. 2020 American Heart Association and American College of Cardiology Consensus Conference on Professionalism and Ethics: A Consensus Conference Report. *Circulation*. 2021 Jun 22;143(25):e1035-e1087. Epub 2021 May 11. *Circulation*. 2021 Jun 22;143(25):e1115. PMID: 33974449.
<https://pubmed.ncbi.nlm.nih.gov/33974449/>
- 115.** Fonarow GC, Kosiborod MN, Rane PB, Nunna S, Villa G, Habib M, Arellano J, Mues KE, Sun K, Wade RL. Patient characteristics and acute cardiovascular event rates among patients with very high-risk and non-very high-risk atherosclerotic cardiovascular disease. *Clin Cardiol*. 2021 Oct;44(10):1457-1466. Epub 2021 Aug 5. PMID: 34351003.
<https://pubmed.ncbi.nlm.nih.gov/34351003/>
- 116.** Nair R, Johnson M, Kravitz K, Huded C, Rajeswaran J, Anabila M, Blackstone E, Menon V, Lincoff AM, Kapadia S, Khot UN. Characteristics and Outcomes of Early Recurrent Myocardial Infarction After Acute Myocardial Infarction. *J Am Heart Assoc*. 2021 Aug 17;10(16):e019270. Epub 2021 Aug 2. PMID: 34333986.
<https://pubmed.ncbi.nlm.nih.gov/34333986/>
- 117.** Khunti K, Kosiborod M, Kim DJ, Kohsaka S, Lam CSP, Goh SY, Chiang CE, Shaw JE, Cavender MA, Tangri N, Franch-Nadal J, Holl RW, Jørgensen ME, Norhammar A, Eriksson JG, Zaccardi F, Karasik A, Magliano DJ, Thuresson M, Chen H, Wittbrodt E, Bodegård J, Surmont F, Fenici P; CVD-REAL Investigators and Study Group. Cardiovascular outcomes with sodium-glucose cotransporter-2 inhibitors vs other glucose-lowering drugs in 13 countries across three continents: analysis of CVD- REAL data. *Cardiovasc Diabetol*. 2021 Jul 31;20(1):159. PMID: 34332558.
<https://pubmed.ncbi.nlm.nih.gov/34332558/>
- 118.** Kosyakovsky LB, Austin PC, Ross HJ, Wang X, Abdel-Qadir H, Goodman SG, Farkouh ME, Croxford R, Lawler PR, Spertus JA, Lee DS. Early invasive coronary angiography and acute ischaemic heart failure outcomes. *Eur Heart J*. 2021 Sep 21;42(36):3756-3766. PMID: 34331056.

<https://pubmed.ncbi.nlm.nih.gov/34331056/>

- 119.** Shahim B, Ben-Yehuda O, Chen S, Redfors B, Madhavan MV, Kar S, Lim DS, Asch FM, Weissman NJ, Cohen DJ, Arnold SV, Liu M, Lindenfeld J, Abraham WT, Mack MJ, Stone GW. Impact of Diabetes on Outcomes After Transcatheter Mitral Valve Repair in Heart Failure: COAPT Trial. *JACC Heart Fail.* 2021 Aug;9(8):559-567. PMID: 34325886.
<https://pubmed.ncbi.nlm.nih.gov/34325886/>
- 120.** Steinberg BA, Zhang M, Bensch J, Lyons A, Bunch TJ, Piccini JP, Siu A, Spertus JA, Stehlik J, Wohlfahrt P, Greene T, Hess R, Fang JC. Quantifying the Impact of Atrial Fibrillation on HF-Related Patient-Reported Outcomes in the Utah mEVAL Program. *J Card Fail.* 2021 Jul 26:S1071-9164(21)00299-2. [Epub ahead of print] PMID: 34324927.
<https://pubmed.ncbi.nlm.nih.gov/34324927/>
- 121.** Docherty KF, Jhund PS, Claggett B, Ferreira JP, Bengtsson O, Inzucchi SE, Køber L, Kosiborod MN, Langkilde AM, Martinez FA, Ponikowski P, Sabatine MS, Sjöstrand M, Solomon SD, McMurray JJV; DAPA-HF Investigators and Committees. Extrapolating Long-term Event-Free and Overall Survival With Dapagliflozin in Patients With Heart Failure and Reduced Ejection Fraction: An Exploratory Analysis of a Phase 3 Randomized Clinical Trial. *JAMA Cardiol.* 2021 Nov 1;6(11):1298-1305. PMID: 34319398.
<https://pubmed.ncbi.nlm.nih.gov/34319398/>
- 122.** Nicolucci A, Chen H, Cid-Ruzafa J, Cooper A, Fenici P, Gomes MB, Hammar N, Khunti K, Kosiborod M, Leigh P, Medin J, Rathmann W, Shestakova MV, Shimomura I, Siddiqui A, Tang F, Watada H, Ji L. Health-related quality of life in patients with type 2 diabetes initiating a second-line glucose-lowering therapy: the DISCOVER study. *Diabetes Res Clin Pract.* 2021 Oct;180:108974. Epub 2021 Jul 22. PMID: 34302913.
<https://pubmed.ncbi.nlm.nih.gov/34302913/>
- 123.** Kosiborod MN, Esterline R, Furtado RHM, Oscarsson J, Gasparyan SB, Koch GG, Martinez F, Mukhtar O, Verma S, Chopra V, Buenconsejo J, Langkilde AM, Ambery P, Tang F, Gosch K, Windsor SL, Akin EE, Soares RVP, Moia DDF, Aboudara M, Hoffmann Filho CR, Feitosa ADM, Fonseca A, Garla V, Gordon RA, Javaheri A, Jaeger CP, Leaes PE, Nassif M, Pursley M, Silveira FS, Barroso WKS, Lazcano Soto JR, Nigro Maia L, Berwanger O. Dapagliflozin in patients with cardiometabolic risk factors hospitalised with COVID-19 (DARE-19): a randomised, double-blind, placebo- controlled, phase 3 trial. *Lancet Diabetes Endocrinol.* 2021 Sep;9(9):586-594. Epub 2021 Jul 21. PMID: 34302745.
<https://pubmed.ncbi.nlm.nih.gov/34302745/>
- 124.** Adamson C, Jhund PS, Docherty KF, Bělohávek J, Chiang CE, Diez M, Drożdż J, Dukát A, Howlett J, Ljungman CEA, Petrie MC, Schou M, Inzucchi SE, Køber L, Kosiborod MN, Martinez FA, Ponikowski P, Sabatine MS, Solomon SD, Bengtsson O, Langkilde AM, Lindholm D,

Sjöstrand M, McMurray JJV. Efficacy of dapagliflozin in heart failure with reduced ejection fraction according to body mass index. *Eur J Heart Fail.* 2021 Oct;23(10):1662-1672. Epub 2021 Jul 29. PMID: 34272791.

<https://pubmed.ncbi.nlm.nih.gov/34272791/>

- 125.** Farrenburg M, Rali A, Grodzinsky A, Landazuri P. Cardiology perspective on seizure-related bradyarrhythmias and SUDEP: A survey study. *Epilepsy Behav.* 2021 Sep;122:108188. Epub 2021 Jul 9. PMID: 34252834.

<https://pubmed.ncbi.nlm.nih.gov/34252834/>

- 126.** Ji L, Bonnet F, Chen H, Cooper A, Hammar N, Leigh P, Luporini Saraiva G, Ramirez L, Medina J, Nicolucci A, Rathmann W, Shestakova MV, Surmont F, Tang F, Watada H; DISCOVER Investigators. Early versus late intensification of glucose-lowering therapy in patients with type 2 diabetes: Results from the DISCOVER study. *Diabetes Res Clin Pract.* 2021 Aug;178:108947. Epub 2021 Jul 10. PMID: 34252505.

<https://pubmed.ncbi.nlm.nih.gov/34252505/>

- 127.** Sperry BW, Bock A, DiFilippo FP, Donnelly JP, Hanna M, Jaber WA. Pilot Study of F18-Florbetapir in the Early Evaluation of Cardiac Amyloidosis. *Front Cardiovasc Med.* 2021 Jun 25;8:693194. PMID: 34250046.

<https://pubmed.ncbi.nlm.nih.gov/34250046/>

- 128.** Real J, Vlachos B, Ortega E, Vallés JA, Mata-Cases M, Castelblanco E, Wittbrodt ET, Fenici P, Kosiborod M, Mauricio D, Franch-Nadal J. Cardiovascular and mortality benefits of sodium-glucose co-transporter-2 inhibitors in patients with type 2 diabetes mellitus: CVD-Real Catalonia. *Cardiovasc Diabetol.* 2021 Jul 9;20(1):139. PMID: 34243779.

<https://pubmed.ncbi.nlm.nih.gov/34243779/>

- 129.** Bonnet F, Chen H, Cooper A, Gomes MB, Ji L, Leigh P, Ramirez L, Shestakova MV, Shimomura I, Siddiqui A, Tang F, Vora J, Watada H, Khunti K. What are the factors associated with long-term glycaemic control in patients with type 2 diabetes and elevated glycated haemoglobin ($\geq 7.0\%$) at initiation of second-line therapy? Results from the DISCOVER study. *Diabetes Obes Metab.* 2021 Oct;23(10):2336-2343. Epub 2021 Aug 2. PMID: 34212481.

<https://pubmed.ncbi.nlm.nih.gov/34212481/>

- 130.** Saade DS, Maymone MBC, De La Garza H, Secemsky EA, Kennedy KF, Vashi NA. Trends in Use of Prescription Skin Lightening Creams. *Int J Environ Res Public Health.* 2021 May 25;18(11):5650. PMID: 34070485.

<https://pubmed.ncbi.nlm.nih.gov/34070485/>

- 131.** Dewan P, Docherty KF, Bengtsson O, de Boer RA, Desai AS, Drozd J, Hawkins NM, Inzucchi SE, Kitakaze M, Køber L, Kosiborod MN, Langkilde AM, Lindholm D, Martinez FA, Merkely B, Petrie MC, Ponikowski P, Sabatine MS, Schou M, Sjöstrand M, Solomon SD, Verma S, Jhund PS, McMurray JJ. Effects of dapagliflozin in heart failure with reduced ejection fraction, and COPD: An analysis of DAPA-HF. *Eur J Heart Fail.* 2021 Apr;23(4):632-643. Epub 2021 Jan 18. PMID: 33368858.
<https://pubmed.ncbi.nlm.nih.gov/33368858/>
- 132.** Simard T, Jung RG, Lehenbauer K, Piayda K, Pracoń R, Jackson GG, Flores- Umanzor E, Faroux L, Korsholm K, Chun JKR, Chen S, Maarse M, Montrella K, Chaker Z, Spoon JN, Pastormerlo LE, Meincke F, Sawant AC, Moldovan CM, Qintar M, Aktas MK, Branca L, Radinovic A, Ram P, El-Zein RS, Flautt T, Ding WY, Sayegh B, Benito-González T, Lee OH, Badejoko SO, Paitazoglou C, Karim N, Zaghoul AM, Agrawal H, Kaplan RM, Alli O, Ahmed A, Suradi HS, Knight BP, Alla VM, Panaich SS, Wong T, Bergmann MW, Chothia R, Kim JS, Pérez de Prado A, Bazaz R, Gupta D, Valderrabano M, Sanchez CE, El Chami MF, Mazzone P, Adamo M, Ling F, Wang DD, O'Neill W, Wojakowski W, Pershad A, Berti S, Spoon D, Kawsara A, Jabbour G, Boersma LVA, Schmidt B, Nielsen-Kudsk JE, Rodés-Cabau J, Freixa X, Ellis CR, Fauchier L, Demkow M, Sievert H, Main ML, Hibbert B, Holmes DR Jr, Alkhouli M. Predictors of Device-Related Thrombus Following Percutaneous Left Atrial Appendage Occlusion. *J Am Coll Cardiol.* 2021 Jul 27;78(4):297-313. PMID: 34294267.
<https://pubmed.ncbi.nlm.nih.gov/34294267/>
- 133.** Hejjaji V, Tang Y, Coles T, Jones PG, Reeve BB, Mentz RJ, Spatz ES, Dunlay SM, Caldwell B, Saha A, Tarver ME, Tran A, Patel KK, Henke D, Piña IL, Spertus JA. Psychometric Evaluation of the Kansas City Cardiomyopathy Questionnaire in Men and Women With Heart Failure. *Circ Heart Fail.* 2021 Sep;14(9):e008284. Epub 2021 Sep 1. PMID: 34465123.
<https://pubmed.ncbi.nlm.nih.gov/34465123/>
- 134.** Kosmopoulos A, Bhatt DL, Meglis G, Verma R, Pan Y, Quan A, Teoh H, Verma M, Jiao L, Wang R, Juliano RA, Kajil M, Kosiborod MN, Bari B, Berih AA, Aguilar M, Escano A, Leung A, Coelho I, Hibino M, Díaz R, Mason RP, Steg PG, Simon T, Go AS, Ambrosy AP, Choi R, Kushner AM, Leiter LA, Al-Omran M, Verma S, Mazer CD. A Randomized Trial of Icosapent Ethyl in Ambulatory Patients with COVID-19. *iScience.* 2021 Sep 24;24(9):103040. Epub 2021 Aug 26. PMID: 34462732; PMCID: PMC8388138.
<https://pubmed.ncbi.nlm.nih.gov/34462732/>
- 135.** Curtain JP, Docherty KF, Jhund PS, Petrie MC, Inzucchi SE, Køber L, Kosiborod MN, Martinez FA, Ponikowski P, Sabatine MS, Bengtsson O, Langkilde AM, Sjöstrand M, Solomon SD, McMurray JJV. Effect of dapagliflozin on ventricular arrhythmias, resuscitated cardiac arrest, or sudden death in DAPA-HF. *Eur Heart J.* 2021 Sep 21;42(36):3727-3738. PMID: 34448003.
<https://pubmed.ncbi.nlm.nih.gov/34448003/>

- 136.** Vaduganathan M, Fonarow GC, Greene SJ, DeVore AD, Albert NM, Duffy CI, Hill CL, Patterson JH, Spertus JA, Thomas LE, Williams FB, Hernandez AF, Butler J. Treatment Persistence of Renin-Angiotensin-Aldosterone-System Inhibitors over Time in Heart Failure with Reduced Ejection Fraction. *J Card Fail.* 2021 Aug 21;S1071-9164(21)00341-9. [Epub ahead of print] PMID: 34428591.
<https://pubmed.ncbi.nlm.nih.gov/34428591/>
- 137.** Patel KK, Decker C, Pacheco CM, Fuss C, Boda I, Gosch KL, McGhie AI, Thompson RC, Sperry BW, Bateman TM, Spertus JA. Development and Piloting of a Patient-Centered Report Design for Stress Myocardial Perfusion Imaging Results. *JAMA Netw Open.* 2021 Aug 2;4(8):e2121011. PMID: 34415313; PMCID: PMC8379654.
<https://pubmed.ncbi.nlm.nih.gov/34415313/>
- 138.** Schnohr P, O'Keefe JH, Lavie CJ, Holtermann A, Lange P, Jensen GB, Marott JL. U-Shaped Association Between Duration of Sports Activities and Mortality: Copenhagen City Heart Study. *Mayo Clin Proc.* 2021 Dec;96(12):3012-3020. Epub 2021 Aug 17. PMID: 34412854.
<https://pubmed.ncbi.nlm.nih.gov/34412854/>
- 139.** Reinhardt SW, Desai NR, Tang Y, Jones PG, Ader J, Spertus JA. Personalizing the decision of dabigatran versus warfarin in atrial fibrillation: A secondary analysis of the Randomized Evaluation of Long-term anticoagulation therapy (RE-LY) trial. *PLoS One.* 2021 Aug 19;16(8):e0256338. PMID: 34411158; PMCID: PMC8376053.
<https://pubmed.ncbi.nlm.nih.gov/34411158/>
- 140.** Schechter M, Melzer-Cohen C, Rozenberg A, Yanuv I, Chodick G, Karasik A, Kosiborod M, Mosenzon O. Cardiorenal outcomes with sodium/glucose cotransporter-2 inhibitors in patients with type 2 diabetes and low kidney risk: real world evidence. *Cardiovasc Diabetol.* 2021 Aug 18;20(1):169. PMID: 34407822; PMCID: PMC8375057.
<https://pubmed.ncbi.nlm.nih.gov/34407822/>
- 141.** Arnold SV, Stone GW, Jain SS, Mack MJ, Saxon JT, Zhang Z, Lindenfeld J, Abraham WT, Cohen DJ; COAPT Investigators. Prognostic Importance of Health Status Versus Functional Status in Heart Failure and Secondary Mitral Regurgitation. *JACC Heart Fail.* 2021 Sep;9(9):684-692. Epub 2021 Aug 11. PMID: 34391740.
<https://pubmed.ncbi.nlm.nih.gov/34391740/>
- 142.** Arnold SV, Cannon CP, de Lemos JA, Rosenson RS, Ballantyne CM, Liu Y, Alam S, Mues KE, Bhatt DL, Kosiborod M; GOULD Investigators. What Do US Physicians and Patients Think About Lipid-Lowering Therapy and Goals of Treatment? Results From the GOULD Registry. *J Am Heart Assoc.* 2021 Aug 17;10(16):e020893. Epub 2021 Aug 7. PMID: 34369165.
<https://pubmed.ncbi.nlm.nih.gov/34369165/>

- 143.** Dunbar SB, Tan X, Lautsch D, Yang M, Ricker B, Maculaitis MC, Nagle T, Clark LT, Hilkert R, Brady JE, Spertus JA. Patient-centered Outcomes in HFREF Following a Worsening Heart Failure Event: A Survey Analysis. *J Card Fail.* 2021 Aug;27(8):877-887. PMID: 34364664. <https://pubmed.ncbi.nlm.nih.gov/34364664/>
- 144.** McCarty MF, Lerner A, DiNicolantonio JJ, Iloki-Assanga SB. High Intakes of Bioavailable Phosphate May Promote Systemic Oxidative Stress and Vascular Calcification by Boosting Mitochondrial Membrane Potential-Is Good Magnesium Status an Antidote? *Cells.* 2021 Jul 9;10(7):1744. PMID: 34359914; PMCID: PMC8303439. <https://pubmed.ncbi.nlm.nih.gov/34359914/>
- 145.** Thomas M, Magwire M, Gosch K, Sammour Y, Mehta R, O'Keefe J, Nassif ME, Kosiborod M. Cardiometabolic Center of Excellence: A Novel Care Delivery Model for Secondary Prevention of Cardiovascular Disease in Type 2 Diabetes. *Circ Cardiovasc Qual Outcomes.* 2021 Oct;14(10):e007682. Epub 2021 Sep 30. PMID: 34587753. <https://pubmed.ncbi.nlm.nih.gov/34587753/>
- 146.** O'Keefe EL, Sturgess JE, O'Keefe JH, Gupta S, Lavie CJ. Prevention and Treatment of Atrial Fibrillation via Risk Factor Modification. *Am J Cardiol.* 2021 Dec 1;160:46-52. Epub 2021 Sep 25. PMID: 34583808. <https://pubmed.ncbi.nlm.nih.gov/34583808/>
- 147.** Salisbury AC, Safley DM, Kennedy KF, Bhardwaj B, Aronow HD, Jones WS, Feldman DN, Secemsky E, Tsai TT, Attaran RR, Spertus JA. Development and validation of a predictive model for bleeding after peripheral vascular intervention: A report from the National Cardiovascular Data Registry Peripheral Vascular Interventions Registry. *Catheter Cardiovasc Interv.* 2021 Dec 1;98(7):1363-1372. Epub 2021 Sep 27. PMID: 34569709. <https://pubmed.ncbi.nlm.nih.gov/34569709/>
- 148.** Heerspink HJ, Cherney D, Postmus D, Stefánsson BV, Chertow GM, Dwyer JP, Greene T, Kosiborod M, Langkilde AM, McMurray JJ, Correa-Rotter R, Rossing P, Sjöström CD, Toto RD, Wheeler DC; DAPA-CKD trial committees and investigators. A pre-specified analysis of the Dapagliflozin and Prevention of Adverse Outcomes in Chronic Kidney Disease (DAPA-CKD) randomized controlled trial on the incidence of abrupt declines in kidney function. *Kidney Int.* 2021 Sep 21:S0085-2538(21)00865-6. [Epub ahead of print] PMID: 34560136. <https://pubmed.ncbi.nlm.nih.gov/34560136/>
- 149.** Thompson RC, Bateman TM, Blankstein R, Di Carli MF, Heydari B, Hung J, Kwong RY, Lindner JR, Nieman K, Dorbala S. A Policy Statement on Cardiovascular Test Substitution and Authorization: Principles of Patient-Centered Noninvasive Testing. *J Am Coll Cardiol.* 2021 Sep 28;78(13):1385-1389. PMID: 34556324. <https://pubmed.ncbi.nlm.nih.gov/34556324/>

- 150.** Stubblefield WB, Jenkins CA, Liu D, Storrow AB, Spertus JA, Pang PS, Levy PD, Butler J, Chang AM, Char D, Diercks DB, Fermann GJ, Han JH, Hiestand BC, Hogan CJ, Khan Y, Lee S, Lindenfeld JM, McNaughton CD, Miller K, Peacock WF, Schrock JW, Self WH, Singer AJ, Sterling SA, Collins SP. Improvement in Kansas City Cardiomyopathy Questionnaire Scores After a Self-Care Intervention in Patients With Acute Heart Failure Discharged From the Emergency Department. *Circ Cardiovasc Qual Outcomes*. 2021 Oct;14(10):e007956. Epub 2021 Sep 24. PMID: 34555929.
<https://pubmed.ncbi.nlm.nih.gov/34555929/>
- 151.** Ikemura N, Spertus JA, Kimura T, Katsumata Y, Fujisawa T, Ueda I, Fukuda K, Takatsuki S, Kohsaka S. Baseline and Postprocedural Health Status Outcomes in Contemporary Patients With Atrial Fibrillation Who Underwent Catheter Ablation: A Report from the Japanese Outpatient Registry. *J Am Heart Assoc*. 2021 Sep 21;10(18):e019983. Epub 2021 Sep 13. PMID: 34514817.
<https://pubmed.ncbi.nlm.nih.gov/34514817/>
- 152.** Sperry BW, Hanna M, Shah SJ, Jaber WA, Spertus JA. Spironolactone in Patients With an Echocardiographic HFpEF Phenotype Suggestive of Cardiac Amyloidosis: Results From TOPCAT. *JACC Heart Fail*. 2021 Nov;9(11):795-802. Epub 2021 Sep 8. PMID: 34509404.
<https://pubmed.ncbi.nlm.nih.gov/34509404/>
- 153.** Jelani QU, Mena-Hurtado C, Gosch K, Mohammed M, Labrosciano C, Regan C, Scierka LE, Spertus JA, Nagpal S, Smolderen KG. Association of sleep apnea with outcomes in peripheral artery disease: Insights from the PORTRAIT study. *PLoS One*. 2021 Sep 10;16(9):e0256933. PMID: 34506511.
<https://pubmed.ncbi.nlm.nih.gov/34506511/>
- 154.** Reynolds HR, Shaw LJ, Min JK, Page CB, Berman DS, Chaitman BR, Picard MH, Kwong RY, O'Brien SM, Huang Z, Mark DB, Nath RK, Dwivedi SK, Smanio PEP, Stone PH, Held C, Keltai M, Bangalore S, Newman JD, Spertus JA, Stone GW, Maron DJ, Hochman JS. Outcomes in the ISCHEMIA Trial Based on Coronary Artery Disease and Ischemia Severity. *Circulation*. 2021 Sep 28;144(13):1024-1038. Epub 2021 Sep 9. PMID: 34496632.
<https://pubmed.ncbi.nlm.nih.gov/34496632/>
- 155.** Jain SS, Li SS, Xie J, Sutton MB, Fine JT, Edelberg JM, Gao W, Spertus JA, Cohen DJ. Clinical and economic burden of obstructive hypertrophic cardiomyopathy in the United States. *J Med Econ*. 2021 Jan-Dec;24(1):1115-1123. PMID: 34493144.
<https://pubmed.ncbi.nlm.nih.gov/34493144/>
- 156.** Sanchis-Gomar F, Lavie CJ, Marín J, Perez-Quilis C, Eijsvogels TMH, O'Keefe JH, Perez MV, Blair SN. Exercise Effects On Cardiovascular Disease: From Basic Aspects To Clinical Evidence.

Cardiovasc Res. 2021 Sep 3:cvab272. [Epub ahead of print] PMID: 34478520.

<https://pubmed.ncbi.nlm.nih.gov/34478520/>

- 157.** Sathananthan J, Green P, Finn M, Wood DA, Lauck S, Crowley A, Alu M, Arnold SV, Cohen D, Kapadia S, Mack M, Thourani VH, Kodali S, Leon M, Webb JG. Prognostic implications of baseline 6-min walk test performance in intermediate risk patients undergoing transcatheter aortic valve replacement. *Catheter Cardiovasc Interv.* 2021 Jan 1;97(1):E154-E160. Epub 2020 Jun 10. PMID: 32521123.
<https://pubmed.ncbi.nlm.nih.gov/32521123/>
- 158.** Arnold SV, Manandhar P, Vemulapalli S, Vekstein AM, Kosinski AS, Spertus JA, Cohen DJ. Patient-Reported Versus Physician-Estimated Symptoms Before and After TAVR. *Eur Heart J Qual Care Clin Outcomes.* 2021 Oct 30:qcab078. [Epub ahead of print] PMID: 34718485.
<https://pubmed.ncbi.nlm.nih.gov/34718485/>
- 159.** Rathore S, Khanra D, Galassi AR, Boukhris M, Tsuchikane E, Dens J, Mashayekhi K, Grantham JA, Brilakis ES, Karpaliotis D, Werner GS. Procedural characteristics and outcomes following chronic total occlusion coronary intervention: pooled analysis from 5 registries. *Expert Rev Cardiovasc Ther.* 2021 Oct;19(10):929-938. Epub 2021 Nov 9. PMID: 34714700.
<https://pubmed.ncbi.nlm.nih.gov/34714700/>
- 160.** Elkaryoni A, Chhatrwalla AK, Kennedy KF, Saxon JT, Lopez JJ, Cohen DJ, Arnold SV. Impact of Transcatheter Aortic Valve Replacement on Hospitalization Rates: Insights From Nationwide Readmission Database. *J Am Heart Assoc.* 2021 Nov 2;10(21):e022910. Epub 2021 Oct 29. PMID: 34713717.
<https://pubmed.ncbi.nlm.nih.gov/34713717/>
- 161.** Nassif ME, Windsor SL, Borlaug BA, Kitzman DW, Shah SJ, Tang F, Khariton Y, Malik AO, Khumri T, Umpierrez G, Lamba S, Sharma K, Khan SS, Chandra L, Gordon RA, Ryan JJ, Chaudhry SP, Joseph SM, Chow CH, Kanwar MK, Pursley M, Siraj ES, Lewis GD, Clemson BS, Fong M, Kosiborod MN. The SGLT2 inhibitor dapagliflozin in heart failure with preserved ejection fraction: a multicenter randomized trial. *Nat Med.* 2021 Nov;27(11):1954-1960. Epub 2021 Oct 28. PMID: 34711976.
<https://pubmed.ncbi.nlm.nih.gov/34711976/>
- 162.** Karnib M, Haraf R, Tashtish N, Zanath E, Elshazly T, Garcia RA, Billings S, Fetros M, Bradigan A, Zacharias M, Abu-Omar Y, Elgudin Y, Pelletier M, Al-Kindi S, Lytle F, ElAmm C. MELD score is predictive of 90-day mortality after veno- arterial extracorporeal membrane oxygenation support. *Int J Artif Organs.* 2021 Oct 26:3913988211054865. [Epub ahead of print] PMID: 34702105.
<https://pubmed.ncbi.nlm.nih.gov/34702105/>

- 163.** Khunti K, Heerspink HJL, Lam CSP, Nicolucci A, Ramirez L, Surmont F, Fenici P, Kosiborod M. Design and rationale of DISCOVER global registry in type 2 diabetes: Real-world insights of treatment patterns and its relationship with cardiovascular, renal, and metabolic multimorbidities. *J Diabetes Complications*. 2021 Dec;35(12):108077. Epub 2021 Oct 13. PMID: 34686406.
<https://pubmed.ncbi.nlm.nih.gov/34686406/>
- 164.** Khan MS, Greene SJ, Hellkamp AS, DeVore AD, Shen X, Albert NM, Patterson JH, Spertus JA, Thomas LE, Williams FB, Hernandez AF, Fonarow GC, Butler J. Diuretic Changes, Health Care Resource Utilization, and Clinical Outcomes for Heart Failure With Reduced Ejection Fraction: From the Change the Management of Patients With Heart Failure Registry. *Circ Heart Fail*. 2021 Nov;14(11):e008351. Epub 2021 Oct 22. PMID: 34674536.
<https://pubmed.ncbi.nlm.nih.gov/34674536/>
- 165.** Arnold SV, Khunti K, Tang F, Chen H, Cid-Ruzafa J, Cooper A, Fenici P, Gomes MB, Hammar N, Ji L, Saraiva GL, Medina J, Nicolucci A, Ramirez L, Rathmann W, Shestakova MV, Shimomura I, Surmont F, Vora J, Watada H, Kosiborod M, On Behalf Of The Discover Investigators. Incidence Rates and Predictors of Microvascular and Macrovascular Complications in Patients with Type 2 Diabetes: Results from the Longitudinal Global DISCOVER Study. *Am Heart J*. 2022 Jan;243:232-239. Epub 2021 Oct 16. PMID: 34666013.
<https://pubmed.ncbi.nlm.nih.gov/34666013/>
- 166.** Thomas M, Sperry BW, Peri-Okonny P, Malik AO, McGhie AI, Saeed IM, Chan PS, Spertus JA, Thompson RC, Bateman TM, Patel KK. Relative Prognostic Significance of Positron Emission Tomography Myocardial Perfusion Imaging Markers in Cardiomyopathy. *Circ Cardiovasc Imaging*. 2021 Oct;14(10):e012426. Epub 2021 Oct 19. PMID: 34665673.
<https://pubmed.ncbi.nlm.nih.gov/34665673/>
- 167.** Ali Z, Saeed IM, Bybee KA, Thompson R, O'Keefe JH, Shafiq M, Saeed L, Zafar Y, Kennedy KF, Al-Sayyed L. Correlation of Hepatic Steatosis Among Cohabitants Using Hounsfield Unit From Coronary Computed Tomography. *Cureus*. 2021 Sep 8;13(9):e17834. PMID: 34660042.
<https://pubmed.ncbi.nlm.nih.gov/34660042/>
- 168.** DiNicolantonio JJ, O'Keefe J. The Importance of Maintaining a Low Omega-6/Omega-3 Ratio for Reducing the Risk of Autoimmune Diseases, Asthma, and Allergies. *Mo Med*. 2021 Sep-Oct;118(5):453-459. PMID: 34658440.
<https://pubmed.ncbi.nlm.nih.gov/34658440/>
- 169.** Hsu A, Sasson C, Kudenchuk PJ, Atkins DL, Aziz K, Becker LB, Berg RA, Bhanji F, Bradley SM, Brooks SC, Chan M, Chan PS, Cheng A, Clemency BM, de Caen A, Duff JP, Edelson DP, Flores GE, Fuchs S, Girotra S, Hinkson C, Joyner BL Jr, Kamath-Rayne BD, Kleinman M, Lasa JJ, Lavonas EJ, Lee HC, Lehotzky RE, Levy A, Mancini ME, McBride ME, Meckler G, Merchant RM,

Moitra VK, Morgan RW, Nadkarni V, Panchal AR, Peberdy MA, Raymond T, Roberts K, Sayre MR, Schexnayder SM, Sutton RM, Terry M, Walsh B, Wang DS, Zelop CM, Topjian A. 2021 Interim Guidance to Health Care Providers for Basic and Advanced Cardiac Life Support in Adults, Children, and Neonates With Suspected or Confirmed COVID-19. *Circ Cardiovasc Qual Outcomes*. 2021 Oct;14(10):e008396. Epub 2021 Oct 13. PMID: 34641719.

<https://pubmed.ncbi.nlm.nih.gov/34641719/>

- 170.** Sperry BW, Khedraki R, Gabrovsek A, Donnelly JP, Kilpatrick S, Shapiro D, Evans PJ, Maschke S, Cotta C, Nakashima M, Seitz W, Hanna M. Cardiac Amyloidosis Screening at Trigger Finger Release Surgery. *Am J Cardiol*. 2021 Dec 1;160:96-98. Epub 2021 Oct 4. PMID: 34620488.
<https://pubmed.ncbi.nlm.nih.gov/34620488/>
- 171.** Tran AT, Fonarow GC, Arnold SV, Jones PG, Thomas LE, Hill CL, DeVore AD, Butler J, Albert NM, Spertus JA. Risk Adjustment Model for Preserved Health Status in Patients With Heart Failure and Reduced Ejection Fraction: The CHAMP- HF Registry. *Circ Cardiovasc Qual Outcomes*. 2021 Oct;14(10):e008072. Epub 2021 Oct 7. PMID: 34615366.
<https://pubmed.ncbi.nlm.nih.gov/34615366/>
- 172.** Goldhaber SZ, Magnuson EA, Chinnakondepalli KM, Cohen DJ, Vedantham S. Catheter-directed thrombolysis for deep vein thrombosis: 2021 update. *Vasc Med*. 2021 Dec;26(6):662-669. Epub 2021 Oct 4. PMID: 34606385.
<https://pubmed.ncbi.nlm.nih.gov/34606385/>
- 173.** Huang C, Li SX, Caraballo C, Masoudi FA, Rumsfeld JS, Spertus JA, Normand ST, Mortazavi BJ, Krumholz HM. Performance Metrics for the Comparative Analysis of Clinical Risk Prediction Models Employing Machine Learning. *Circ Cardiovasc Qual Outcomes*. 2021 Oct;14(10):e007526. Epub 2021 Oct 4. PMID: 34601947.
<https://pubmed.ncbi.nlm.nih.gov/34601947/>
- 174.** Kolte D, Kennedy K, Wasfy JH, Jena AB, Elmariah S. Hospital Variation in 30-Day Readmissions Following Transcatheter Aortic Valve Replacement. *J Am Heart Assoc*. 2021 May 18;10(10):e021350. Epub 2021 May 3. PMID: 33938233.
<https://pubmed.ncbi.nlm.nih.gov/33938233/>
- 175.** Lemieux S, Kim T, Pothier-Piccinin O, Racine LC, Firoozi F, Drolet M, Pasian S, Kennedy KF, Provencher S, Ugalde P. Ultrasound-guided transthoracic needle biopsy of the lung: sensitivity and safety variables. *Eur Radiol*. 2021 Nov;31(11):8272-8281. Epub 2021 Apr 21. PMID: 33880621.
<https://pubmed.ncbi.nlm.nih.gov/33880621/>
- 176.** Sapontis J, Hirai T, Patterson C, Gans B, Yeh RW, Lombardi W, Karpaliotis D, Moses J, Nicholson WJ, Pershad A, Wyman RM, Spaedy A, Cook S, Doshi P, Federici R, Thompson CA,

Nugent K, Gosch K, Grantham JA, Salisbury AC. Intermediate procedural and health status outcomes and the clinical care pathways after chronic total occlusion angioplasty: A report from the OPEN-CTO (outcomes, patient health status, and efficiency in chronic total occlusion hybrid procedures) study. *Catheter Cardiovasc Interv.* 2021 Oct;98(4):626-635. Epub 2020 Oct 27. PMID: 33108056.

<https://pubmed.ncbi.nlm.nih.gov/33108056/>

- 177.** Kalra S, Doshi D, Sapontis J, Kosmidou I, Kirtane AJ, Moses JW, Riley RF, Jones P, Nicholson WJ, Salisbury AC, Lombardi WL, McCabe JM, Pershad A, Hirai T, Hakemi E, Russo JJ, Prasad M, Ahmad Y, Hatem R, Gkargkoulas F, Spertus JA, Wyman RM, Jaffer F, Spaedy A, Cook S, Marso SP, Nugent K, Federici R, Yeh RW, Leon MB, Stone GW, Ali ZA, Parikh MA, Maehara A, Cohen DJ, Batres C, Grantham JA, Karpaliotis D. Outcomes of retrograde chronic total occlusion percutaneous coronary intervention: A report from the OPEN-CTO registry. *Catheter Cardiovasc Interv.* 2021 May 1;97(6):1162-1173. Epub 2020 Sep 2. PMID: 32876381.

<https://pubmed.ncbi.nlm.nih.gov/32876381/>

- 178.** Kohsaka S, Takeda M, Bodegard J, Thuresson M, Kosiborod M, Yajima T, Wittbrodt E, Fenici P. SGLT2 inhibitors compared with other glucose-lowering drugs in Japan: Subanalyses of the CVD-REAL 2 Study. *J Diabetes Investig.* 2021 Jan;12(1):67-73. Epub 2020 Jul 26. PMID: 32530554.

<https://pubmed.ncbi.nlm.nih.gov/32530554/>

- 179.** Patterson C, Sapontis J, Nicholson WJ, Lombardi W, Karpaliotis D, Moses J, Gosch KL, Grantham JA, Hirai T; OPEN CTO Study Group. Impact of body mass index on outcome and health status after chronic total occlusion percutaneous coronary intervention: Insights from the OPEN-CTO study. *Catheter Cardiovasc Interv.* 2021 May 1;97(6):1186-1193. Epub 2020 Apr 22. PMID: 32320140.

https://pubmed.ncbi.nlm.nih.gov/32320140

- 180.** Daming TNB, Florio KL, Schmidt LM, Grodzinsky A, Nelson LA, Swearingen KC, White DL, Patel NB, Gray RA, Rader VJ, Lee JK, Spertus JA, Magalski A. Creating a maternal cardiac center of excellence: a call to action. *J Matern Fetal Neonatal Med.* 2021 Dec;34(24):4153-4158. Epub 2019 Dec 25. PMID: 31875732.

<https://www.ncbi.nlm.nih.gov/pubmed/31875732>

- 181.** Rossing P, Inzucchi SE, Vart P, Jongs N, Docherty KF, Jhund PS, Køber L, Kosiborod MN, Martinez FA, Ponikowski P, Sabatine MS, Solomon SD, DeMets DL, Bengtsson O, Lindberg M, Langkilde AM, Sjöstrand M, Stefansson BV, Karlsson C, Chertow GM, Hou FF, Correa-Rotter R, Toto RD, Wheeler DC, McMurray JJV, Heerspink HJL; DAPA-CKD and DAPA-HF Trial Committees and Investigators. Dapagliflozin and new-onset type 2 diabetes in patients with chronic kidney disease or heart failure: pooled analysis of the DAPA-CKD and DAPA-HF trials. *Lancet Diabetes Endocrinol.* 2022 Jan;10(1):24-34. Epub 2021 Nov 29. PMID: 34856173.

<https://pubmed.ncbi.nlm.nih.gov/34856173/>

- 182.** Gupta K, Girotra S, Nallamothu BK, Kennedy K, Starks MA, Chan PS; American Heart Association's Get With the Guidelines®-Resuscitation Investigators listed in Supplementary Appendix. Impact of the Three COVID-19 Surges in 2020 on In-Hospital Cardiac Arrest Survival in the United States. *Resuscitation*. 2021 Nov 24:S0300-9572(21)00479-2. [Epub ahead of print] PMID: 34838661.
<https://pubmed.ncbi.nlm.nih.gov/34838661/>
- 183.** Mori M, Spertus JA, Krumholz HM. Data-Driven Individualized Surgical Decision-making: Beyond "Better on Average" Clinical Trial Results. *JAMA Surg*. 2021 Nov 24. [Epub ahead of print] PMID: 34817547.
<https://pubmed.ncbi.nlm.nih.gov/34817547/>
- 184.** Butt JH, Adamson C, Docherty KF, de Boer RA, Petrie MC, Inzucchi SE, Kosiborod MN, Maria Langkilde A, Lindholm D, Martinez FA, Bengtsson O, Schou M, O'Meara E, Ponikowski P, Sabatine MS, Sjöstrand M, Solomon SD, Jhund PS, McMurray JJV, Køber L. Efficacy and Safety of Dapagliflozin in Heart Failure With Reduced Ejection Fraction According to N-Terminal Pro-B-Type Natriuretic Peptide: Insights From the DAPA-HF Trial. *Circ Heart Fail*. 2021 Dec;14(12):e008837. Epub 2021 Nov 22. PMID: 34802253.
<https://pubmed.ncbi.nlm.nih.gov/34802253/>
- 185.** Butler J, Anker SD, Siddiqi TJ, Coats AJS, Dorigotti F, Filippatos G, Friede T, Göhring UM, Kosiborod MN, Lund LH, Metra M, Quinn CM, Piña IL, Pinto FJ, Rossignol P, Szecsy P, der Meer PV, Weir M, Pitt B. Patiromer for the management of hyperkalaemia in patients receiving renin-angiotensin-aldosterone system inhibitors for heart failure: design and rationale of the DIAMOND trial. *Eur J Heart Fail*. 2021 Nov 20. [Epub ahead of print] PMID: 34800079.
<https://pubmed.ncbi.nlm.nih.gov/34800079/>
- 186.** Scierka LE, Jelani QU, Smolderen KG, Gosch K, Spertus JA, Mena-Hurtado C, Jones P, Dreyer RP. Patient representativeness of a peripheral artery disease cohort in a randomized control trial versus a real-world cohort: The CLEVER trial versus the PORTRAIT registry. *Contemp Clin Trials*. 2021 Nov 15:106624. [Epub ahead of print] PMID: 34793986.
<https://pubmed.ncbi.nlm.nih.gov/34793986/>
- 187.** Greene SJ, Butler J, Hellkamp AS, Spertus JA, Vaduganathan M, DeVore AD, Albert NM, Herbert Patterson J, Thomas L, Williams FB, Hernandez AF, Fonarow GC. Comparative Effectiveness of Dosing of Medical Therapy for Heart Failure: From the CHAMP-HF Registry. *J Card Fail*. 2021 Oct 8:S1071-9164(21)00393-6. [Epub ahead of print] PMID: 34793971.
<https://pubmed.ncbi.nlm.nih.gov/34793971/>

- 188.** DeVore AD, Hill CL, Thomas LE, Albert NM, Butler J, Patterson JH, Hernandez AF, Williams FB, Shen X, Spertus JA, Fonarow GC. Identifying patients at increased risk for poor outcomes from heart failure with reduced ejection fraction: the PROMPT-HF risk model. *ESC Heart Fail.* 2021 Nov 17. [Epub ahead of print] PMID: 34791838.
<https://pubmed.ncbi.nlm.nih.gov/34791838/>
- 189.** Jonas R, Earls J, Marques H, Chang HJ, Choi JH, Doh JH, Her AY, Koo BK, Nam CW, Park HB, Shin S, Cole J, Gimelli A, Khan MA, Lu B, Gao Y, Nabi F, Nakazato R, Schoepf UJ, Driessen RS, Bom MJ, Thompson RC, Jang JJ, Ridner M, Rowan C, Avelar E, Génereux P, Knaapen P, de Waard GA, Pontone G, Andreini D, Al-Mallah MH, Jennings R, Crabtree TR, Villines TC, Min JK, Choi AD. Relationship of age, atherosclerosis and angiographic stenosis using artificial intelligence. *Open Heart.* 2021 Nov;8(2):e001832. PMID: 34785589.
<https://pubmed.ncbi.nlm.nih.gov/34785589/>
- 190.** Thompson RC, Al-Mallah MH, Beanlands RSB, Calnon DA, Dorbala S, Phillips LM, Polk DM, Soman P; ASNC Board of Directors. ASNC's thoughts on the AHA/ACC chest pain guidelines. *J Nucl Cardiol.* 2021 Nov 15. [Epub ahead of print] PMID: 34782993.
<https://pubmed.ncbi.nlm.nih.gov/34782993/>
- 191.** Huded CP, Dalton JE, Kumar A, Krieger NI, Kassis N, Phelan M, Kravitz K, Reed GW, Krishnaswamy A, Kapadia SR, Khot U. Relationship of Neighborhood Deprivation and Outcomes of a Comprehensive ST Elevation Myocardial Infarction Protocol. *J Am Heart Assoc.* 2021 Dec 21;10(24):e024540. Epub 2021 Nov 15. PMID: 34779652.
<https://pubmed.ncbi.nlm.nih.gov/34779652/>
- 192.** Butt JH, Docherty KF, Jhund PS, de Boer RA, Böhm M, Desai AS, Howlett JG, Inzucchi SE, Kosiborod MN, Martinez FA, Nicolau JC, Petrie MC, Ponikowski P, Bengtsson O, Langkilde AM, Schou M, Sjöstrand M, Solomon SD, Sabatine MS, McMurray JJV, Køber L. Dapagliflozin and atrial fibrillation in heart failure with reduced ejection fraction: insights from DAPA-HF. *Eur J Heart Fail.* 2021 Nov 11. [Epub ahead of print] PMID: 34766424.
<https://pubmed.ncbi.nlm.nih.gov/34766424/>
- 193.** Hejjaji V, Chakrabarti AK, Nallamotheu BK, Iwashyna TJ, Krein SL, Trumpower B, Kennedy M, Chinnakondepalli K, Malik AO, Chan PS. Association Between Hospital Resuscitation Team Leader Credentials and Survival Outcomes for In-hospital Cardiac Arrest. *Mayo Clin Proc Innov Qual Outcomes.* 2021 Oct 28;5(6):1021-1028. PMID: 34761165.
<https://pubmed.ncbi.nlm.nih.gov/34761165/>
- 194.** Evans E, Swanson MB, Mohr N, Boulos N, Vaughan-Sarrazin M, Chan PS, Girotra S; American Heart Association's Get With The Guidelines-Resuscitation investigators. Epinephrine before defibrillation in patients with shockable in-hospital cardiac arrest: propensity matched analysis. *BMJ.* 2021 Nov 10;375:e066534. PMID: 34759038.

<https://pubmed.ncbi.nlm.nih.gov/34759038/>

- 195.** Berg DD, Docherty KF, Sattar N, Jarolim P, Welsh P, Jhund PS, Anand IS, Chopra V, de Boer RA, Kosiborod MN, Nicolau JC, O'Meara E, Schou M, Hammarstedt A, Langkilde AM, Lindholm D, Sjöstrand M, McMurray JJV, Sabatine MS, Morrow DA. Serial Assessment of High-Sensitivity Cardiac Troponin and the Effect of Dapagliflozin in Patients with Heart Failure with Reduced Ejection Fraction: An Analysis of the DAPA-HF Trial. *Circulation*. 2021 Nov 8. [Epub ahead of print] PMID: 34743554.

<https://pubmed.ncbi.nlm.nih.gov/34743554/>

- 196.** Simonato M, Whisenant B, Barbosa Ribeiro H, Webb JG, Kornowski R, Guerrero M, Wijeyesundera H, Søndergaard L, De Backer O, Villablanca P, Rihal C, Eleid M, Kempfert J, Unbehaun A, Erlebach M, Casselman F, Adam M, Montorfano M, Ancona M, Saia F, Ubben T, Meincke F, Napodano M, Codner P, Schofer J, Pelletier M, Cheung A, Shuvy M, Palma JH, Gaia DF, Duncan A, Hildick-Smith D, Veulemans V, Sinning JM, Arbel Y, Testa L, de Weger A, Eltchaninoff H, Hemery T, Landes U, Tchetché D, Dumonteil N, Rodés-Cabau J, Kim WK, Spargias K, Kourkovelis P, Ben-Yehuda O, Campante Teles R, Barbanti M, Fiorina C, Thukkani A, Mackensen GB, Jones N, Presbitero P, Petronio AS, Allali A, Champagnac D, Bleiziffer S, Rudolph T, Iadanza A, Salizzoni S, Agrifoglio M, Nombela-Franco L, Bonaros N, Kass M, Bruschi G, Amabile N, Chhatriwalla A, Messina A, Hirji SA, Andreas M, Welsh R, Schoels W, Hellig F, Windecker S, Stortecky S, Maisano F, Stone GW, Dvir D. Transcatheter Mitral Valve Replacement After Surgical Repair or Replacement: Comprehensive Mid-Term Evaluation of Valve-in-Valve and Valve-in-Ring Implantation from the VIVID Registry. *Circulation*. 2021 Jan 12;143(2):104-116. Epub 2020 Sep 25. PMID: 32975133.

<https://pubmed.ncbi.nlm.nih.gov/32975133/>

- 197.** Willard J, Jacob D, Tang Y, Jones P, McCoy M, Magalski A. Differences in American Athletes Undergoing Preparticipation Examination by Sex, Participation Level, and Age. *Clin J Sport Med*. 2021 Nov 1;31(6):e432-e441. PMID: 32073474.

<https://www.ncbi.nlm.nih.gov/pubmed/?term=32073474>

- 198.** Panzer S, Treitl M, Zesch S, Rosendahl W, Helmbold-Doyé J, Thompson RC, Zink AR. Radiological evidence of purulent infections in ancient Egyptian child mummies. *Int J Paleopathol*. 2021 Dec 30;36:30-35. [Epub ahead of print] PMID: 34974252.

<https://pubmed.ncbi.nlm.nih.gov/34974252/>

- 199.** Ranka S, Lahan S, Chhatriwalla AK, Allen KB, Chiang M, O'Neill B, Verma S, Wang DD, Lee J, Frisoli T, Eng M, Bagur R, O'Neill W, Villablanca P. Network meta-analysis comparing the short and long-term outcomes of alternative access for transcatheter aortic valve replacement. *Cardiovasc Revasc Med*. 2021 Dec 3;S1553-8389(21)00767-3. [Epub ahead of print] PMID: 34972667.

<https://pubmed.ncbi.nlm.nih.gov/34972667/>

- 200.** Tran AT, Hart AJ, Spertus JA, Jones PG, McNally BF, Malik AO, Chan PS. A Risk-Adjustment Model for Patients Presenting to Hospitals with Out-of-Hospital Cardiac Arrest and ST-Elevation Myocardial Infarction. *Resuscitation*. 2021 Dec 27:S0300-9572(21)00529-3. [Epub ahead of print] PMID: 34968532.
<https://pubmed.ncbi.nlm.nih.gov/34968532/>
- 201.** Sammour Y, Spertus JA, Austin BA, Magalski A, Gupta SK, Shatla I, Dean E, Kennedy KF, Jones PG, Nassif ME, Main ML, Sperry BW. Outpatient Management of Heart Failure During the COVID-19 Pandemic After Adoption of a Telehealth Model. *JACC Heart Fail*. 2021 Dec;9(12):916-924. Epub 2021 Oct 6. PMID: 34857175.
<https://pubmed.ncbi.nlm.nih.gov/34857175/>
- 202.** Kataruka A, Mahtta D, Akeroyd JM, Hira RS, Kazi DS, Spertus JA, Bhatt DL, Petersen LA, Ballantyne CM, Virani SS. Eligibility for Low-Dose Rivaroxaban Based on the COMPASS Trial: Insights from the Veterans Affairs Healthcare System. *Cardiovasc Drugs Ther*. 2021 Jun;35(3):533-538. Epub 2020 Sep 3. PMID: 32880803.
<https://pubmed.ncbi.nlm.nih.gov/32880803/>
- 203.** Arnold SV, Manandhar P, Vemulapalli S, Kosinski A, Desai ND, Bavaria JE, Carroll JD, Mack MJ, Thourani VH, Cohen DJ. Impact of Short-Term Complications of TAVR on Longer-Term Outcomes: Results from the STS/ACC Transcatheter Valve Therapy Registry. *Eur Heart J Qual Care Clin Outcomes*. 2021 Mar 15;7(2):208-213. PMID: 31926005.
<https://www.ncbi.nlm.nih.gov/pubmed/?term=31926005>
- 204.** Jelani QU, Smolderen KG, Halpin D, Gosch K, Spertus JA, Chaar CIO, Nolthenius RPT, Heyligers J, De Vries JP, Mena-Hurtado C. Patient Profiles and Health Status Outcomes for Peripheral Artery Disease in High-Income Countries: A Comparison Between the United States and the Netherlands. *Eur Heart J Qual Care Clin Outcomes*. 2021 Sep 16;7(5):505-512. PMID: 32539108.
<https://pubmed.ncbi.nlm.nih.gov/32539108/>
- 205.** Thomas M, Patel KK, Peri-Okonny P, Sperry BW, McGhie AI, Badarin FA, Saeed IM, Kennedy KF, Chan P, Spertus JA, Thompson RC, Bateman TM. Stress myocardial perfusion imaging in patients presenting with syncope: Comparison of PET vs. SPECT. *J Nucl Cardiol*. 2021 Dec;28(6):2895-2906. Epub 2020 May 13. PMID: 32405986.
<https://pubmed.ncbi.nlm.nih.gov/32405986/>
- 206.** Chhatriwalla AK, Allen KB, Saxon JT, Cohen DJ, Nguyen TC, Loyalka P, Whisenant B, Yakubov SJ, Sanchez C, Sathananthan J, Stegman B, Harvey J, Garrett HE, Tseng E, Gerdisch M, Williams P, Kennedy KF, Webb J. 1-Year Outcomes following Bioprosthetic Valve Fracture to

Facilitate Valve-in-Valve Transcatheter Aortic Valve Replacement. *Structural Heart*. 2021 May-June;5(3): 312-318.

- 207.** Bacon BT, Allen KB, Chhatriwalla AK, Saxon JT, Skolnick D, Hart A, Huded C. Correction of Left Ventricular Outflow Tract Pseudoaneurysm and Prosthetic Aortic Stenosis. *Structural Heart*. 2021 November 1;5(6):644-646.

Review Articles

- 208.** Hirai T, Grantham JA. Perforation Mechanisms, Risk Stratification, and Management in the Post-Coronary Artery Bypass Grafting Patient. *Interv Cardiol Clin*. 2021 Jan;10(1):101-107. PMID: 33223099.
<https://pubmed.ncbi.nlm.nih.gov/33223099/>
- 209.** Hirai T, Grantham JA. Indications and Patient Selection for Percutaneous Coronary Intervention of Chronic Total Occlusions. *Interv Cardiol Clin*. 2021 Jan;10(1):1-5. Epub 2020 Oct 29. PMID: 33223098.
<https://pubmed.ncbi.nlm.nih.gov/33223098/>
- 210.** Peri-Okonny PA, Patel S, Spertus JA, Jackson EA, Malik AO, Provance J, Mena-Hurtado C, Shishehbor MH, Hijjaji V, Gosch KL, Smolderen KG. Physical Activity After Treatment for Symptomatic Peripheral Artery Disease. *Am J Cardiol*. 2021 Jan 1;138:107-113. Epub 2020 Oct 13. PMID: 33065083.
<https://pubmed.ncbi.nlm.nih.gov/33065083/>
- 211.** Elagizi A, Lavie CJ, O'Keefe E, Marshall K, O'Keefe JH, Milani RV. An Update on Omega-3 Polyunsaturated Fatty Acids and Cardiovascular Health. *Nutrients*. 2021 Jan 12;13(1):E204. PMID: 33445534.
<https://pubmed.ncbi.nlm.nih.gov/33445534/>
- 212.** Yehya A, Shah KS, Mitter SS, Ibrahim NE, Sperry B, Shah M, Chaudhry SP, Rajagopalan N, Hernandez-Montfort J, Mohan R, Alexander KM, Sinha S, Butler J, Kittleson MM. Challenges and the innovations in the care of advanced heart failure patients during COVID-19. *Heart Fail Rev*. 2021 Jan 12:1-4. [Epub ahead of print] PMID: 33432419.
<https://pubmed.ncbi.nlm.nih.gov/33432419/>
- 213.** Gersh FL, O'Keefe JH, Lavie CJ. Postmenopausal hormone therapy for cardiovascular health: the evolving data. *Heart*. 2021 Jul;107(14):1115-1122. Epub 2021 Feb 22. PMID: 33619206.
<https://pubmed.ncbi.nlm.nih.gov/33619206/>

- 214.** Thomas M, Jones PG, Arnold SV, Spertus JA. Interpretation of the Seattle Angina Questionnaire as an Outcome Measure in Clinical Trials and Clinical Care: A Review. *JAMA Cardiol.* 2021 May 1;6(5):593-599. PMID: 33566062.
<https://pubmed.ncbi.nlm.nih.gov/33566062/>
- 215.** Bateman TM, Heller GV, Beanlands R, Calnon DA, Case J, deKemp R, Gordon DePuey E, Di Carli M, Guler EC, Murthy VL, Rosenblatt J, Sher R, Slomka P, Ruddy TD. Practical guide for interpreting and reporting cardiac PET measurements of myocardial blood flow: an Information Statement from the American Society of Nuclear Cardiology, and the Society of Nuclear Medicine and Molecular Imaging. *J Nucl Cardiol.* 2021 Apr;28(2):768-787. Epub 2021 Mar 30. PMID: 33786730.
<https://pubmed.ncbi.nlm.nih.gov/33786730/>
- 216.** McCarty MF, DiNicolantonio JJ, Lerner A. A Fundamental Role for Oxidants and Intracellular Calcium Signals in Alzheimer's Pathogenesis-And How a Comprehensive Antioxidant Strategy May Aid Prevention of This Disorder. *Int J Mol Sci.* 2021 Feb 21;22(4):2140. PMID: 33669995.
<https://pubmed.ncbi.nlm.nih.gov/33669995/>
- 217.** Ostfeld RJ, Allen K, Aspary K, Brandt EJ, Spitz A, Liberman J, Belardo D, O'Keefe JH, Aggarwal M, Miller M, Batiste C, Kopecky S, White B, Shah N, Hawamdeh H, Batts T, Blankstein R, Reddy K, Ornish D, Freeman AM. Vasculogenic Erectile Dysfunction - The Impact of Diet and Lifestyle. *Am J Med.* 2021 Mar;134(3):310-316. Epub 2020 Nov 20. PMID: 33227246.
<https://pubmed.ncbi.nlm.nih.gov/33227246/>
- 218.** Marx N, Ryden L, Brosius F, Ceriello A, Cheung M, Cosentino F, Green J, Kellerer M, Koob S, Kosiborod M, Prashant Nedungadi T, Rodbard HW, Olav Vandvik P, Ji L, Huey-Herng Sheu W, Standl E, Schnell O. Towards living guidelines on cardiorenal outcomes in diabetes: A pilot project of the Taskforce of the Guideline Workshop 2020. *Diabetes Res Clin Pract.* 2021 Jul;177:108870. Epub 2021 May 24. PMID: 34044026.
<https://pubmed.ncbi.nlm.nih.gov/34044026/>
- 219.** McCarty MF, DiNicolantonio JJ, Lerner A. Review - Nutraceuticals Can Target Asthmatic Bronchoconstriction: NADPH Oxidase-Dependent Oxidative Stress, RhoA and Calcium Dynamics. *J Asthma Allergy.* 2021 Jun 15;14:685-701. PMID: 34163181.
<https://pubmed.ncbi.nlm.nih.gov/34163181/>
- 220.** Garcia RA, Benton MC, Spertus JA. Patient-Reported Outcomes in Patients with Cardiomyopathy. *Curr Cardiol Rep.* 2021 Jun 14;23(7):91. PMID: 34121150.
<https://pubmed.ncbi.nlm.nih.gov/34121150/>

- 221.** Garcia RA, Spertus JA. Using Patient-Reported Outcomes to Assess Healthcare Quality: Toward Better Measurement of Patient-Centered Care in Cardiovascular Disease. *Methodist Debakey Cardiovasc J.* 2021 Apr 5;17(1):e1-e9. PMID: 34104328.
<https://pubmed.ncbi.nlm.nih.gov/34104328/>
- 222.** Mills RA, Thompson RC. Cardiac PET and SPECT During the COVID-19 Pandemic. *Semin Nucl Med.* 2022 Jan;52(1):56-60. Epub 2021 Jun 22. PMID: 34253333.
<https://pubmed.ncbi.nlm.nih.gov/34253333/>
- 223.** Sperry BW, Khoury JA, Raza S, Rosenthal JL. Comprehensive approach to cardiac amyloidosis care: considerations in starting an amyloidosis program. *Heart Fail Rev.* 2021 Aug 30. [Epub ahead of print] PMID: 34460048.
<https://pubmed.ncbi.nlm.nih.gov/34460048/>
- 224.** Florio KL, DeZorzi C, Williams E, Swearingen K, Magalski A. Cardiovascular Medications in Pregnancy: A Primer. *Cardiol Clin.* 2021 Feb;39(1):33-54. Epub 2020 Nov 2. PMID: 33222813.
<https://pubmed.ncbi.nlm.nih.gov/33222813/>
- 225.** Grodzinsky A, Schmidt L. Cardiovascular Contribution to Maternal Mortality. *Cardiol Clin.* 2021 Feb;39(1):1-5. Epub 2020 Nov 2. PMID: 33222806.
<https://pubmed.ncbi.nlm.nih.gov/33222806/>
- 226.** Ros E, Singh A, O'Keefe JH. Nuts: Natural Pleiotropic Nutraceuticals. *Nutrients.* 2021 Sep 19;13(9):3269. PMID: 34579146.
<https://pubmed.ncbi.nlm.nih.gov/34579146/>
- 227.** Elsayed M, Usher S, Habib MH, Ahmed N, Ali J, Begemann M, Shabbir SA, Shune L, Al-Hilli J, Cossor F, Sperry BW, Raza S. Current Updates on the Management of AL Amyloidosis. *J Hematol.* 2020 Aug;10(4):147-161. Epub 2020 Aug 4. PMID: 34527111.
<https://pubmed.ncbi.nlm.nih.gov/34527111/>
- 228.** Freeman AM, Aggarwal M, Ros E, Allen K, Sikand G, Aspary K, Kris-Etherton P, Devries S, Reddy K, Singh T, Litwin SE, James O'Keefe, Miller M, Andrus B, Blankstein R, Batiste C, Belardo D, Wenger C, Batts T, Barnard ND, White BA, Ornish D, Williams KA, Ostfeld RJ. Trending Nutrition Controversies #3: Top Controversies in 2021. *Am J Med.* 2021 Sep 9:S0002-9343(21)00565-9. [Epub ahead of print] PMID: 34509452.
<https://pubmed.ncbi.nlm.nih.gov/34509452/>
- 229.** Allen KB, Chhatrwalla AK, Saxon JT, Huded CP, Sathananthan J, Nguyen TC, Whisenant B, Webb JG. Bioprosthetic valve fracture: a practical guide. *Ann Cardiothorac Surg.* 2021 Sep;10(5):564-570. PMID: 34733685.
<https://pubmed.ncbi.nlm.nih.gov/34733685/>

- 230.** Hartnett J, Jaber W, Maurer M, Sperry B, Hanna M, Collier P, Patel DR, Wazni OM, Donnellan E. Electrophysiological Manifestations of Cardiac Amyloidosis: JACC: CardioOncology State-of-the-Art Review. *JACC CardioOncol.* 2021 Oct 19;3(4):506-515. PMID: 34729522.
<https://pubmed.ncbi.nlm.nih.gov/34729522/>
- 231.** Gianos E, Jackson EA, Tejpal A, Aspary K, O'Keefe J, Aggarwal M, Jain A, Itchhaporia D, Williams K, Batts T, Allen KE, Yarber C, Ostfeld RJ, Miller M, Reddy K, Freeman AM, Fleisher KE. Oral health and atherosclerotic cardiovascular disease: A review. *Am J Prev Cardiol.* 2021 Apr 5;7:100179. PMID: 34611631.
<https://pubmed.ncbi.nlm.nih.gov/34611631/>
- 232.** Rao VN, Murray E, Butler J, Cooper LB, Cox ZL, Fiuzat M, Green JB, Lindenfeld J, McGuire DK, Nassif ME, O'Brien C, Pagidipati N, Sharma K, Vaduganathan M, Vardeny O, Fonarow GC, Mentz RJ, Greene SJ. In-Hospital Initiation of Sodium-Glucose Cotransporter-2 Inhibitors for Heart Failure With Reduced Ejection Fraction. *J Am Coll Cardiol.* 2021 Nov 16;78(20):2004-2012. PMID: 34763778.
<https://pubmed.ncbi.nlm.nih.gov/34763778/>
- 233.** McCarty MF, Lerner A, DiNicolantonio JJ, Benzvi C. Nutraceutical Aid for Allergies - Strategies for Down-Regulating Mast Cell Degranulation. *J Asthma Allergy.* 2021 Oct 27;14:1257-1266. PMID: 34737578.
<https://pubmed.ncbi.nlm.nih.gov/34737578/>
- 234.** Gersh FL, O'Keefe JH, Lavie CJ, Henry BM. The Renin-Angiotensin-Aldosterone System in Postmenopausal Women: The Promise of Hormone Therapy. *Mayo Clin Proc.* 2021 Dec;96(12):3130-3141. Epub 2021 Nov 2. PMID: 34736778.
<https://pubmed.ncbi.nlm.nih.gov/34736778/>
- 235.** Handelsman Y, Anderson JE, Bakris GL, Ballantyne CM, Beckman JA, Bhatt DL, Bloomgarden ZT, Bozkurt B, Budoff MJ, Butler J, Dagogo-Jack S, de Boer IH, DeFronzo RA, Eckel RH, Einhorn D, Fonseca VA, Green JB, Grunberger G, Guerin C, Inzucchi SE, Jellinger PS, Kosiborod MN, Kushner P, Lepor N, Mende CW, Michos ED, Plutzky J, Taub PR, Umpierrez GE, Vaduganathan M, Weir MR. DCRM Multispecialty Practice Recommendations for the management of diabetes, cardiorenal, and metabolic diseases. *J Diabetes Complications.* 2021 Dec 7:108101. [Epub ahead of print] PMID: 34922811.
<https://pubmed.ncbi.nlm.nih.gov/34922811/>
- 236.** Huded CP, Allen KB, Chhatriwalla AK. Counterpoint: challenges and limitations of transcatheter aortic valve implantation for aortic regurgitation. *Heart.* 2021 Dec;107(24):1942-1945. Epub 2021 Apr 16. PMID: 33863760.
<https://pubmed.ncbi.nlm.nih.gov/33863760/>

Editorials

- 237.** Kosiborod M. Diamonds in the Rough: The Incredible-but-True Story of Sodium Glucose Cotransporter 2 Inhibitors in Treatment of Heart Failure. *Circulation*. 2021 Jan 26;143(4):350-353. Epub 2021 Jan 25. PMID: 33493031.
<https://pubmed.ncbi.nlm.nih.gov/33493031/>
- 238.** Fendler TJ, Allen LA, Matlock DD. Did You Forget to Assess Cognition in Your Patient With Heart Failure, and Does It Matter? *J Card Fail*. 2021 Mar;27(3):295-296. PMID: 33632392.
<https://pubmed.ncbi.nlm.nih.gov/33632392/>
- 239.** DiNicolantonio JJ, McCarty M, Barroso-Aranda J. Melatonin may decrease risk for and aid treatment of COVID-19 and other RNA viral infections. *Open Heart*. 2021 Mar;8(1):e001568. PMID: 33741691.
<https://pubmed.ncbi.nlm.nih.gov/33741691/>
- 240.** Kosiborod MN, Vaduganathan M. SGLT-2 Inhibitors in Heart Failure: Volume or Value? *J Am Coll Cardiol*. 2021 Mar 23;77(11):1393-1396. PMID: 33736820.
<https://pubmed.ncbi.nlm.nih.gov/33736820/>
- 241.** Schnell O, Cos X, Cosentino F, Forst T, Giorgino F, Heerspink HJL, Kosiborod M, Wanner C, Standl E. Report from the CVOT Summit 2020: new cardiovascular and renal outcomes. *Cardiovasc Diabetol*. 2021 Mar 31;20(1):75. PMID: 33789663.
<https://pubmed.ncbi.nlm.nih.gov/33789663/>
- 242.** Spertus JA. Quality of life in EMPEROR-Reduced: emphasizing what is important to patients while identifying strategies to support more patient- centred care. *Eur Heart J*. 2021 Mar 31;42(13):1213-1215. PMID: 33595088.
<https://pubmed.ncbi.nlm.nih.gov/33595088/>
- 243.** Nassif M, Butler J. Moving in the right direction but not there yet: the utility, measurement, and analysis of health status in heart failure trials. *Eur J Heart Fail*. 2021 Apr;23(4):590-592. Epub 2021 Apr 30. PMID: 33880841.
<https://pubmed.ncbi.nlm.nih.gov/33880841/>
- 244.** DiNicolantonio JJ, McCarty MF, Barroso-Aranda J, Assanga S, Lujan LML, O'Keefe JH. A nutraceutical strategy for downregulating TGF β signalling: prospects for prevention of fibrotic disorders, including post-COVID-19 pulmonary fibrosis. *Open Heart*. 2021 Apr;8(1):e001663. PMID: 33879509.
<https://pubmed.ncbi.nlm.nih.gov/33879509/>

- 245.** DiNicolantonio JJ, Barroso-Aranda J, McCarty MF. DiNicolantonio JJ, Barroso-Aranda J, McCarty MF. *Open Heart*. 2021 Apr;8(1):e001655. PMID: 33875563.
<https://pubmed.ncbi.nlm.nih.gov/33875563/>
- 246.** Thompson RC, Lehenbauer KR. The Cardiovascular Imaging Community's Response to the COVID-19 Pandemic. *JACC Cardiovasc Imaging*. 2021 Sep;14(9):1800-1803. Epub 2021 Jun 16. PMID: 34147460.
<https://pubmed.ncbi.nlm.nih.gov/34147460/>
- 247.** Thompson RC. ASNC and the new world of medical education: A glimpse of the future. *J Nucl Cardiol*. 2021 Aug;28(4):1809-1811. PMID: 34228326.
<https://pubmed.ncbi.nlm.nih.gov/34228326/>
- 248.** Elagizi A, O'Keefe EL, O'Keefe JH. Here's to Your Health: Why a Drink With Dinner Might Improve Longevity. *Mayo Clin Proc*. 2021 Jul;96(7):1706-1709. PMID: 34218850.
<https://pubmed.ncbi.nlm.nih.gov/34218850/>
- 249.** Bunte MC, Monteleone PP. Adapting vascular care amidst a pandemic: Considering COVID-19 and looking forward. *Vasc Med*. 2021 Dec;26(6):624-625. Epub 2021 Aug 12. PMID: 34380346.
<https://pubmed.ncbi.nlm.nih.gov/34380346/>
- 250.** DiNicolantonio J, O'Keefe JH. The Flaws of Recent Omega-3 Clinical Trials Should Not Prevent Their Use. *Mo Med*. 2021 Jul-Aug;118(4):322. PMID: 34373664.
<https://pubmed.ncbi.nlm.nih.gov/34373664/>
- 251.** Main ML, Mayer SA, Rahko PS, Rose GA. Interventional Transesophageal Echocardiography: Background and Coding Review: A Publication from the ASE Advocacy Committee. *J Am Soc Echocardiogr*. 2021 Aug;34(8):A14-A16. PMID: 34362549.
<https://pubmed.ncbi.nlm.nih.gov/34362549/>
- 252.** Sperry BW. Opportunities to improve image quality in PET myocardial viability imaging in diabetics. *J Nucl Cardiol*. 2021 Sep 13. [Epub ahead of print] PMID: 34519014.
<https://pubmed.ncbi.nlm.nih.gov/34519014/>
- 253.** DiNicolantonio JJ, O'Keefe JH. Low-grade metabolic acidosis as a driver of insulin resistance. *Open Heart*. 2021 Sep;8(2):e001788. PMID: 34497064.
<https://pubmed.ncbi.nlm.nih.gov/34497064/>

- 254.** Bunte MC. Endovascular Treatment of Symptomatic Peripheral Artery Disease: Where We Are and Where We Need to Go. *Circ Cardiovasc Interv.* 2021 Nov;14(11):e011388. Epub 2021 Oct 27. PMID: 34706554.
<https://pubmed.ncbi.nlm.nih.gov/34706554/>
- 255.** DiNicolantonio JJ, O'Keefe J. Low-grade metabolic acidosis as a driver of chronic disease: a 21st century public health crisis. *Open Heart.* 2021 Oct;8(2):e001730. PMID: 34702776.
<https://pubmed.ncbi.nlm.nih.gov/34702776/>
- 256.** Allen KB, Pollock G. Commentary: Just passing through. *JTCVS Tech.* 2021 Jul 6;9:100. PMID: 34647074.
<https://pubmed.ncbi.nlm.nih.gov/34647074/>
- 257.** Allen KB. Commentary: Arkansas toothpick. *JTCVS Tech.* 2021 Sep 25;10:361. PMID: 34977754.
<https://pubmed.ncbi.nlm.nih.gov/34977754/>

Research Correspondence

- 258.** Allen KB, Chhatriwalla AK, Saxon J, Hermiller J, Heimansohn D, Moainie S, McKay RG, Cheema M, Jones B, Hodson RW, Korngold E, Kirker E. Reply: Transcarotid trumps transapical/direct aortic access for transcatheter aortic valve replacement-It's a no brainer! *J Thorac Cardiovasc Surg.* 2021 Feb 22:S0022-5223(21)00129-X. [Epub ahead of print] PMID: 33632526.
<https://pubmed.ncbi.nlm.nih.gov/33632526/>
- 259.** Gersh FL, O'Keefe JH, Henry BM. COVID-19, the Female Immune Advantage, and Cardiovascular Impact. *Mayo Clin Proc.* 2021 Mar;96(3):820-821. Epub 2020 Dec 29. PMID: 33673933.
<https://pubmed.ncbi.nlm.nih.gov/33673933/>
- 260.** Thompson RC. The year ahead for ASNC. *J Nucl Cardiol.* 2021 Feb;28(1):381-383. PMID: 33432471.
<https://pubmed.ncbi.nlm.nih.gov/33432471/>
- 261.** Thompson RC. ASNC stands for #PatientFirst imaging. *J Nucl Cardiol.* 2021 Apr;28(2):788-789. PMID: 33646484.
<https://pubmed.ncbi.nlm.nih.gov/33646484/>
- 262.** Thomas M, Jones PG, Cohen DJ, Arnold SV, Magnuson EA, Thourani VH, Fonarow GC, Sandhu AT, Spertus JA. Correspondence to European Heart Journal - Quality of Care and Clinical

Outcomes in response to letter by Dalal H. et al. Eur Heart J Qual Care Clin Outcomes. 2021 Jul 21;7(4):e8. PMID: 33914883.

<https://pubmed.ncbi.nlm.nih.gov/33914883/>

- 263.** Hess PL, Gosch KL, Jani SM, Varosy PD, Bradley SM, Maddox TM, Michael Ho P, Virani SS. Use of Oral Anticoagulants in Patients with Valvular Atrial Fibrillation: Findings From the NCDR PINNACLE Registry®. Am Heart J. 2021 Oct;240:58-62. Epub 2021 May 24. PMID: 34033802.
<https://pubmed.ncbi.nlm.nih.gov/34033802/>
- 264.** Coles TM, Hernandez AF, Reeve BB, Cook K, Edwards MC, Boutin M, Bush E, Degboe A, Roessig L, Rudolph A, McNulty P, Patel N, Kay-Mugford T, Vernon M, Woloschak M, Buchele G, Spertus JA, Roe MT, Bury D, Weinfurt K. Enabling patient-reported outcome measures in clinical trials, exemplified by cardiovascular trials. Health Qual Life Outcomes. 2021 Jun 13;19(1):164. PMID: 34120618.
<https://pubmed.ncbi.nlm.nih.gov/34120618/>
- 265.** Elkaryoni A, Elgendy IY, Walsh K, Allen S, Newman J, Salem M, Krepostman N, Collins M, DeSirkar S, Bunte MC, Darki A. Catheter Directed Thrombolysis for Acute Pulmonary Embolism Among Elderly Patients (from a Nationwide Cohort Sample). Am J Cardiol. 2021 Sep 15;155:152-154. Epub 2021 Jul 17. 34281672.
<https://pubmed.ncbi.nlm.nih.gov/34281672/>
- 266.** Sperry BW, Tang Y, Jones PG, Spertus JA. Cumulative events in the TOPCAT trial. Eur J Heart Fail. 2021 Mar;23(3):491-492. Epub 2020 Nov 13. PMID: 33111482.
<https://pubmed.ncbi.nlm.nih.gov/33111482/>
- 267.** Sammour Y, Spertus JA, Shatla I, Gupta SK, Nassif ME, Magalski A, Main ML, Sperry BW. Comparison of Video and Telephone Visits in Outpatients With Heart Failure. Am J Cardiol. 2021 Nov 1;158:153-156. Epub 2021 Aug 30. PMID: 34470705.
<https://pubmed.ncbi.nlm.nih.gov/34470705/>
- 268.** Uzendu A, Pagliaro J, Betancourt J, Egun C, Drachman D, Bhatt A, Chan P. Make Basic Life Support Basic: A novel virtual Hands Only CPR training program in minority school age youth. Resuscitation. 2021 Oct;167:93-94. Epub 2021 Aug 20. PMID: 34425155.
<https://pubmed.ncbi.nlm.nih.gov/34425155/>
- 269.** Seitz WH Jr, Donnelly JP, Hanna M, Sperry BW. Reply to "Letter Regarding 'Carpal Tunnel Syndrome: A Potential Early, Red-Flag Sign of Amyloidosis'". J Hand Surg Am. 2021 Aug;46(8):e9-e10. PMID: 34353610.
<https://pubmed.ncbi.nlm.nih.gov/34353610/>

- 270.** Nassif ME, Spertus JA, Tang F, Windsor SL, Jones P, Thomas M, Khariton Y, Brush J, Gordon RA, Jermyn R, Jonsson O, Lamba S, Shavelle DM, Kosiborod MN. Association Between Change in Ambulatory Hemodynamic Pressures and Symptoms of Heart Failure. *Circ Heart Fail.* 2021 Nov;14(11):e008446. Epub 2021 Oct 26. PMID: 34696602.
<https://pubmed.ncbi.nlm.nih.gov/34696602/>
- 271.** Pichert MD, Smolderen KG, Castro-Dominguez Y, Jelani QU, Nagpal S, Provance JB, Huang J, Malik AO, Secemsky EA, Derbas LA, Mena-Hurtado CI. Trends in drug-coated device use for peripheral artery disease: Insights from the Vascular Quality Initiative (VQI). *Vasc Med.* 2021 Oct 5:1358863X211043567. [Epub ahead of print] PMID: 34610776.
<https://pubmed.ncbi.nlm.nih.gov/34610776/>
- 272.** Kosiborod MN, Esterline R, Oscarsson J, Gasparyan SB, Furtado RHM, Verma S, Berwanger O. Dapagliflozin in patients with COVID-19: mind the kidneys - Authors' reply. *Lancet Diabetes Endocrinol.* 2021 Dec 15:S2213-8587(21)00326-0. [Epub ahead of print] PMID: 34921753.
<https://pubmed.ncbi.nlm.nih.gov/34921753/>
- 273.** Gupta T, Manning P, Kolte D, Smolderen KG, Stone N, Henry JG, Wang J, Gosch KL, White CJ, Spertus J, Dawn Abbott J. Exercise therapy referral and participation in patients with peripheral artery disease: Insights from the PORTRAIT registry. *Vasc Med.* 2021 Dec;26(6):654-656. Epub 2021 Aug 17. PMID: 34404282.
<https://pubmed.ncbi.nlm.nih.gov/34404282/>
- 274.** Omer MA, Brilakis ES, Elgendy IY, Chan PS, Spertus JA. Reply: Multivessel Versus Culprit-Vessel PCI in Patients With NSTEMI and Cardiogenic Shock. *JACC Cardiovasc Interv.* 2021 Aug 23;14(16):1851-1852. PMID: 34412807.
<https://pubmed.ncbi.nlm.nih.gov/34412807/>
- 275.** Allen KB. Transcarotid TAVR: Keeping it Simple! Operative Techniques in Thoracic and Cardiovascular Surgery. 2021 June 1;26(2):244-245.

Case Report

- 276.** DeZorzi CJ, Sheehy JP, Chhatriwalla A, Magalski A, Saxon JT. Intracardiac Echocardiography to Diagnose Bioprosthetic Pulmonary Valve Thrombosis. *JACC Case Rep.* 2021 Apr 21;3(4):682-685. PMID: 34317603.
<https://pubmed.ncbi.nlm.nih.gov/34317603/>
- 277.** Bajwa A, Dhoot J, Gupta S. Coronary Sinus Lead Placement in Patients With Coronary Sinus Ostial Atresia: An Innovative Approach. *JACC Case Rep.* 2021 Apr 21;3(4):614-618. PMID: 34317588.

<https://pubmed.ncbi.nlm.nih.gov/34317588/>

- 278.** Myadam R, Gupta SK. Successful Subcutaneous Defibrillator Implantation in a Pregnant Patient With Long QT Syndrome. *JACC Case Rep.* 2021 Mar 3;3(3):504-507. PMID: 34317568.
<https://pubmed.ncbi.nlm.nih.gov/34317568/>

Guideline & Position/Scientific Statement

- 279.** Crosier R, Austin PC, Ko DT, Lawler PR, Stukel TA, Farkouh ME, Wang X, Spertus JA, Ross HJ, Lee DS. Intensity of Guideline-Directed Medical Therapy for Coronary Heart Disease and Ischemic Heart Failure Outcomes. *Am J Med.* 2021 May;134(5):672-681.e4. Epub 2020 Nov 9. PMID: 33181105.
<https://pubmed.ncbi.nlm.nih.gov/33181105/>
- 280.** Khariton Y, Fonarow GC, Hellkamp A, Thomas L, Nassif ME, Butler J, Duffy CI, Albert NM, Spertus JA. Heterogeneity of health status treatment response with sacubitril/valsartan: insights from the CHAMP-HF registry. *ESC Heart Fail.* 2021 Feb;8(1):710-713. Epub 2020 Nov 10. PMID: 33170559.
<https://pubmed.ncbi.nlm.nih.gov/33170559/>
- 281.** Executive Committee, Benjamin EJ, Valentine CM, Oetgen WJ, Sheehan KA; Task Force 1, Brindis RG, Roach WH Jr, Harrington RA, Levine GN, Redberg RF, Broccolo BM, Hernandez AF; Task Force 2, Douglas PS, Piña IL, Benjamin EJ, Coylewright MJ, Saucedo JF, Ferdinand KC, Hayes SN, Poppas A; Task Force 3, Furie KL, Mehta LS, Erwin JP 3rd, Mieres JH, Murphy DJ Jr, Weissman G, West CP; Task Force 4, Lawrence WE Jr, Masoudi FA, Jones CP, Matlock DD, Miller JE, Spertus JA, Todman L; Task Force 5, Biga C, Chazal RA, Creager MA, Fry ET, Mack MJ, Yancy CW, Anderson RE. 2020 American Heart Association and American College of Cardiology Consensus Conference on Professionalism and Ethics: A Consensus Conference Report. *J Am Coll Cardiol.* 2021 Jun 22;77(24):3079-3133. Epub 2021 May 11. PMID: 33994057.
<https://pubmed.ncbi.nlm.nih.gov/33994057/>
- 282.** Thompson RC, Calnon DA, Polk DM, Al-Mallah MH, Phillips LM, Dorbala S, Beanlands RSB. ASNC Statements of Principles on the Issue of Multimodality Imaging. *J Nucl Cardiol.* 2021 Oct;28(5):2456-2457. PMID: 34494201.
<https://pubmed.ncbi.nlm.nih.gov/34494201/>
- 283.** Strom JB, Xu J, Orkaby AR, Shen C, Charest BR, Kim DH, Cohen DJ, Kramer DB, Spertus JA, Gerszten RE, Yeh RW. Identification of Frailty Using a Claims-Based Frailty Index in the CoreValve Studies: Findings from the EXTEND-FRAILTY Study. *J Am Heart Assoc.* 2021 Oct

5;10(19):e022150. Epub 2021 Sep 29. PMID: 34585597.

<https://pubmed.ncbi.nlm.nih.gov/34585597/>

- 284.** Strom JB, Xu J, Orkaby AR, Shen C, Song Y, Charest BR, Kim DH, Cohen DJ, Kramer DB, Spertus JA, Gerszten RE, Yeh RW. Role of Frailty in Identifying Benefit From Transcatheter Versus Surgical Aortic Valve Replacement. *Circ Cardiovasc Qual Outcomes*. 2021 Dec;14(12):e008566. Epub 2021 Nov 15. PMID: 34779656.

<https://pubmed.ncbi.nlm.nih.gov/34779656/>