

ACC 2024 Rapid Reaction: Part I References

Special Guest: Ryan Caputo, PharmD, BCCP

Featured Articles

DanGer Shock Investigators. Microaxial Flow Pump or Standard Care in Infarct-Related Cardiogenic Shock. *N Engl J Med*. 2024 Apr 18;390(15):1382-1393.

<https://pubmed.ncbi.nlm.nih.gov/38587239/>

REDUCE-AMI Investigators. Beta-Blockers after Myocardial Infarction and Preserved Ejection Fraction. *N Engl J Med*. 2024 Apr 18;390(15):1372-1381.

<https://pubmed.ncbi.nlm.nih.gov/38587241/>

Guidelines/Statements

American Heart Association Council on Clinical Cardiology; Council on Cardiovascular and Stroke Nursing; Council on Quality of Care and Outcomes Research; and Mission: Lifeline. Contemporary Management of Cardiogenic Shock: A Scientific Statement From the American Heart Association. *Circulation*. 2017 Oct 17;136(16):e232-e268.

<https://pubmed.ncbi.nlm.nih.gov/28923988/>

Chioncel O, Parissis J, Mebazaa A, et al. Epidemiology, pathophysiology and contemporary management of cardiogenic shock - a position statement from the Heart Failure Association of the European Society of Cardiology. *Eur J Heart Fail*. 2020 Aug;22(8):1315-1341.

<https://pubmed.ncbi.nlm.nih.gov/32469155/>

Zeymer U, Bueno H, Granger CB, et al. Acute Cardiovascular Care Association position statement for the diagnosis and treatment of patients with acute myocardial infarction complicated by cardiogenic shock: A document of the Acute Cardiovascular Care Association of the European Society of Cardiology. *Eur Heart J Acute Cardiovasc Care*. 2020 Mar;9(2):183-197.

<https://pubmed.ncbi.nlm.nih.gov/32114774/>

American Heart Association Interventional Cardiovascular Care Committee of the Council on Clinical Cardiology; Council on Arteriosclerosis, Thrombosis and Vascular Biology; and Council on Cardiovascular and Stroke Nursing. Invasive Management of Acute Myocardial Infarction Complicated by Cardiogenic Shock: A Scientific Statement From the American Heart Association. *Circulation*. 2021 Apr 13;143(15):e815-e829.

<https://pubmed.ncbi.nlm.nih.gov/33657830/>

ESC Scientific Document Group. 2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation: The Task Force for the management of acute myocardial infarction in patients presenting with ST-segment elevation of the European Society of Cardiology (ESC). *Eur Heart J*. 2018 Jan 7;39(2):119-177.

<https://pubmed.ncbi.nlm.nih.gov/28886621/>

CF/AHA Task Force. 2013 ACCF/AHA guideline for the management of ST-elevation myocardial infarction: executive summary: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation*. 2013 Jan 29;127(4):529-55. <https://pubmed.ncbi.nlm.nih.gov/23247303/>

ESC Scientific Document Group. 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *Eur Heart J*. 2021 Apr 7;42(14):1289-1367. <https://pubmed.ncbi.nlm.nih.gov/32860058/>

Amsterdam EA, Wenger NK, Brindis RG, et al. 2014 AHA/ACC Guideline for the Management of Patients with Non-ST-Elevation Acute Coronary Syndromes: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. *J Am Coll Cardiol*. 2014 Dec 23;64(24):e139-e228. <https://pubmed.ncbi.nlm.nih.gov/25260718/>

Articles Referenced in the Episode

DanGer Shock investigators. Rationale and design of DanGer shock: Danish-German cardiogenic shock trial. *Am Heart J*. 2019 Aug;214:60-68.

<https://pubmed.ncbi.nlm.nih.gov/31176289/>

Yndigejn T, Lindahl B, Alfredsson J, et al. Design and rationale of randomized evaluation of decreased usage of beta-blockers after acute myocardial infarction (REDUCE-AMI). *Eur Heart J Cardiovasc Pharmacother*. 2023 Feb 2;9(2):192-197.

<https://pubmed.ncbi.nlm.nih.gov/36513329/>

IABP-SHOCK II Trial Investigators. Intraaortic balloon support for myocardial infarction with cardiogenic shock. *N Engl J Med*. 2012 Oct 4;367(14):1287-96.

<https://pubmed.ncbi.nlm.nih.gov/22920912/>

Ouweneel DM, Eriksen E, Sjaauw KD, et al. Percutaneous Mechanical Circulatory Support Versus Intra-Aortic Balloon Pump in Cardiogenic Shock After Acute Myocardial Infarction. *J Am Coll Cardiol*. 2017 Jan 24;69(3):278-287. <https://pubmed.ncbi.nlm.nih.gov/27810347/>

PHARMACY TO DOSE

THE CRITICAL CARE PODCAST 

ECLS-SHOCK Investigators. Extracorporeal Life Support in Infarct-Related Cardiogenic Shock. *N Engl J Med*. 2023 Oct 5;389(14):1286-1297. <https://pubmed.ncbi.nlm.nih.gov/37634145/>

Jentzer JC, Pöss J, Schaubroeck H, et al. Advances in the Management of Cardiogenic Shock. *Crit Care Med*. 2023 Sep 1;51(9):1222-1233. <https://pubmed.ncbi.nlm.nih.gov/37184336/>

Randomised trial of intravenous atenolol among 16 027 cases of suspected acute myocardial infarction: ISIS-1. First International Study of Infarct Survival Collaborative Group. *Lancet*. 1986 Jul 12;2(8498):57-66. <https://pubmed.ncbi.nlm.nih.gov/2873379/>

A randomized trial of propranolol in patients with acute myocardial infarction. I. Mortality results. *JAMA*. 1982 Mar 26;247(12):1707-14. <https://pubmed.ncbi.nlm.nih.gov/7038157/>

COMMIT (ClopidoGrel and Metoprolol in Myocardial Infarction Trial) collaborative group. Early intravenous then oral metoprolol in 45,852 patients with acute myocardial infarction: randomised placebo-controlled trial. *Lancet*. 2005 Nov 5;366(9497):1622-32. <https://pubmed.ncbi.nlm.nih.gov/16271643/>