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Cardiovascular Pathophysiology and Therapeutics Group
Basil Hetzel Institute, TQEH
2023 Publications

- 1. Understanding TakoTsubo Syndrome: First evaluate your mouse model.**
Horowitz JD, Surikow S. *American Journal of Physiology - Heart & Circulatory Physiology.* 2023 Mar 324(5):H630-H632 [doi:10.1152/ajpheart.00051.2023](https://doi.org/10.1152/ajpheart.00051.2023)
- 2. The Wider Considerations in Closing Chronic Disease Gaps - Focus on Heart Failure and Implementation.** Iyngkaran P, Hespe C, Hanna F, **Horowitz JD**, Battersby M, Nelson C, Andrew S, de Courten MP. *Curr Cardiol Rev* 2023;19(2):11-24.PMID: 35549873
DOI: [10.2174/1573403X18666220512160737](https://doi.org/10.2174/1573403X18666220512160737)
- 3. 'Bushfire Season' in Australia: Determinants of Increases in Risk of Acute Coronary Syndromes and Takotsubo Syndrome.** Ong G-J, Sellers A, Mahadavan G, **Nguyen TH**, Worthley MI, Chew DP, **Horowitz JD** *Am J Med.* 2023 Jan;136(1):88-95, PMID: 36058309
DOI: [10.1016/j.amjmed.2022.08.013](https://doi.org/10.1016/j.amjmed.2022.08.013)
- 4. Effects of soluble guanylate cyclase stimulators and activators on anti-aggregatory signalling in patients with coronary artery spasm.** Muminovic A, Chirkov Y, **Horowitz JD.** *International Journal of Molecular Sciences.* 2023 May, 24(11), 9273 [doi:10.3390/ijms24119273](https://doi.org/10.3390/ijms24119273)
- 5. Comparison of short and long forms of the Flinders program of chronic disease SELF-management for participants starting SGLT-2 inhibitors for congestive heart failure (SELFMAN-HF): protocol for a prospective, observational study.** Iyngkaran P, Hanna F, Andrew S, **Horowitz JD**, Battersby M, de Courten MP. *Front Med (Lausanne)* 2023; 10: 1059735. Published online 2023 May 12. [doi: 10.3389/fmed.2023.1059735](https://doi.org/10.3389/fmed.2023.1059735) PMCID: PMC10255353
- 6. Association of Circulating Plasma Secreted Frizzled-Related Protein 5 (Sfrp5) Levels with Cardiac Function.** Kelly CJ, Chu M, Untaru R, Assadi-Khansari B, Chen D, Croft AJ, **Horowitz JD**, Boyle AJ, Sverdlov AL, Ngo DTM. *J Cardiovasc Dev Dis.* 2023 Jun 28;10(7):274. [doi: 10.3390/jcdd10070274.](https://doi.org/10.3390/jcdd10070274) PMID: 3750453
- 7. Hydrocortisone metabolism by Staphylococcus: Effects on anti-inflammatory and antimicrobial action.** Cherian L, Liu S, Hon K, Ramezanpour M, Hu H, Javadiyan S, **Stafford I**, Wormald P-J, Fracs A, Vreugde S. *International Forum of Allergy & Rhinology.* 2023 Jul [doi:10.1002/alr.23242](https://doi.org/10.1002/alr.23242)
- 8. Coronary "Microvascular Dysfunction": Evolving Understanding of Pathophysiology, Clinical Implications, and Potential Therapeutics.** Kei CY, Singh K, Dautov RF, **Nguyen TH**, Chirkov YY, **Horowitz JD.** *Int J Mol Sci* 2023 Jul 10;24(14):11287. [doi: 10.3390/ijms241411287](https://doi.org/10.3390/ijms241411287)
- 9. Machine learning-based prediction of in-hospital death for patients with takotsubo syndrome: The InterTAK-ML model.** De Filippo O, Cammann VL, Pancotti C, Di Vece D, Silverio A, Schweiger V, Niederseer D, Szawan KA, Würdinger M, Koleva I, Dusi V, Bellino M, Vecchione C, Parodi G, Bossone E, Gili S, Neuhaus M, Franke J, Meder B, Jaguszewski M, Noutsias M, Knorr M, Jansen T, Dichtl W, von Lewinski D, Burgdorf C, Kherad B, Tschöpe C, Sarcon A, Shinbane J, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Koenig W, Pott A, Meyer P, Roffi M, Banning A, Wolfrum M,

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10. Kadir AA, Stubbs BJ, **Chong CR**, Lee H, Cole M, Carr C, Hauton D, McCullagh J, Evans RF, Clarke K. On the interdependence of ketone body oxidation, glycogen content, glycolysis and energy metabolism in the heart. *J Physiol.* 2023 Apr;601(7):1207-1224. doi: [10.1113/JP284270](https://doi.org/10.1113/JP284270). Epub 2023 Mar 1. PMID: 36799478