

April 2022 Literature Review References

Special Guests: Philip Jacobson, PharmD and Andi Ray, PharmD

6-Pack of Studies

Sacha GL, Lam SW, Wang Lu, et al. Association of Catecholamine Dose, Lactate, and Shock Duration at Vasopressin Initiation With Mortality in Patients With Septic Shock. *Crit Care Med.* 2022; 50(4): 614-623. <https://pubmed.ncbi.nlm.nih.gov/34582425/>

McLean H, Wells L, Marlor J. The Effect of Prearrest Acid-Base Status on Response to Sodium Bicarbonate and Achievement of Return of Spontaneous Circulation. *Ann Pharmacother.* 2022; 56(4): 436-440. <https://pubmed.ncbi.nlm.nih.gov/34353142/>

Yoshimura J, Yamakawa K, Ohta Y, et al. Effect of Gram Stain-Guided Initial Antibiotic Therapy on Clinical Response in Patients With Ventilator-Associated Pneumonia: The GRACE-VAP Randomized Clinical Trial. *JAMA Netw Open.* 2022; 5(4): e226136. <https://pubmed.ncbi.nlm.nih.gov/35394515/>

Geli J, Capoccia M, Maybauer DM, et al. Argatroban Anticoagulation for Adult Extracorporeal Membrane Oxygenation: A Systematic Review. *J Intensive Care Med.* 2022; 37(4): 459-471. <https://pubmed.ncbi.nlm.nih.gov/33653194/>

Yoshimura S, Sakai N, Yamagami H, et al. Endovascular Therapy for Acute Stroke with a Large Ischemic Region. *N Eng J Med.* 2022; 386(14): 1303-1313. <https://pubmed.ncbi.nlm.nih.gov/35138767/>

Watanabe H, Morimoto T, Natsuaki M, et al. Comparison of Clopidogrel Monotherapy After 1 to 2 Months of Dual Antiplatelet Therapy With 12 Months of Dual Antiplatelet Therapy in Patients With Acute Coronary Syndrome. *JAMA Cardiol.* 2022; 7(4): 407-417. <https://pubmed.ncbi.nlm.nih.gov/35234821/>

Pennell PB, Karanam A, Meador KJ, et al. Antiseizure Medication Concentrations During Pregnancy: Results From the Maternal Outcomes and Neurodevelopmental Effects of Antiepileptic Drugs (MONEAD) Study. *JAMA Neurol.* 2022; 79(4): 370-379. <https://pubmed.ncbi.nlm.nih.gov/35157004/>

Kanner AM, Bicchi MM. Antiseizure Medications for Adults With Epilepsy: A Review. *JAMA.* 2022; 327(13): 1269-1281. <https://pubmed.ncbi.nlm.nih.gov/35380580/>

“Don’t Go Breaking My Heart” (Cardiology)

Huynh C, Lui J, Behbahani V, et al. Pre Versus Post Implementation of a Pharmacologic Antishivering Protocol During Targeted Temperature Management Following Cardiac Arrest. *Neurocrit Care*. 2022; 36(2): 511-518. <https://pubmed.ncbi.nlm.nih.gov/34498206/>

Joelan O, Welte T, Gottlieb J. Chest Infections After Lung Transplantation. *Chest*. 2022; 161(4): 937-948. <https://pubmed.ncbi.nlm.nih.gov/34673023/>

Butler AM, Durkin MJ, Keller MR, et al. Association of Adverse Events With Antibiotic Treatment for Urinary Tract Infection. *Clin Infect Dis*. 2022; 74(8): 1408-1418. <https://pubmed.ncbi.nlm.nih.gov/34279560/>

“Ventilator Blues” (Pain, Agitation, and Delirium)

Tollinche LE, Seier KP, Yang G, et al. Discharge prescribing of enteral opioids in opioid naïve patients following non-surgical intensive care: A retrospective cohort study. *J Crit Care*. 2022; 68: 16-21. <https://pubmed.ncbi.nlm.nih.gov/34856489/>

Moradi MM, Safaie A, Baratloo A, et al. Sub dissociative dose of ketamine with haloperidol versus fentanyl on pain reduction in patients with acute pain in the emergency department; a randomized clinical trial. *Am J Emerg Med*. 2022; 54: 165-171. <https://pubmed.ncbi.nlm.nih.gov/35152127/>

Faustino TN, Suzart NA, Santos Rabelo RND, et al. Effectiveness of combined non-pharmacological interventions in the prevention of delirium in critically ill patients: A randomized clinical trial. *J Crit Care*. 2022; 68: 114-120. <https://pubmed.ncbi.nlm.nih.gov/34999377/>

“Front of the Fridge” (Pharmacist-Driven Studies)

Nuttall GA, Voogd SC, Danke H, et al. The incidence of torsades de pointes with peri-operative low-dose ondansetron administration. *Pharmacotherapy*. 2022; 42(4): 292-297.

<https://pubmed.ncbi.nlm.nih.gov/35124842/>

Wang DJ, Song P, Nault KM. Impact of intraoperative methadone use on postoperative opioid requirements after cardiac surgery. *Am J Health Syst Pharm*. 2022; 79(8): 636-642.

<https://pubmed.ncbi.nlm.nih.gov/34874991/>

Schult RF, Nacca N, Grannell TL, et al. Evaluation of high-dose insulin/euglycemia therapy for suspected β -blocker or calcium channel blocker overdose following guideline implementation.

Am J Health Syst Pharm. 2022; 79(7): 547-555. <https://pubmed.ncbi.nlm.nih.gov/34957477/>

Smith SE, Shelley R, Sikora A. Medication regimen complexity vs patient acuity for predicting critical care pharmacist interventions. *Am J Health Syst Pharm*. 2022; 79(8): 651-655.

<https://pubmed.ncbi.nlm.nih.gov/34864850/>

Gruenberg K, Abdoler E, O'Brien BC, et al. How do pharmacists select antimicrobials? A model of pharmacists' therapeutic reasoning processes. *JACCP*. 2022; 5(4): 398-405.

<https://accpjournals.onlinelibrary.wiley.com/doi/10.1002/jac5.1580>

Olney KB, Wallace KL, Mynatt RP, et al. Comparison of Bayesian-derived and first-order analytic equations for calculation of vancomycin area under the curve. *Pharmacotherapy*. 2022; 42(4): 284-291.

<https://pubmed.ncbi.nlm.nih.gov/35134264/>

Sacha GL, Kiser TH, Wright GC, et al. Association Between Vasopressin Rebranding and Utilization in Patients With Septic Shock. *Crit Care Med*. 2022; 50(4): 644-654.

<https://pubmed.ncbi.nlm.nih.gov/34605778/>

Full Article List

https://docs.google.com/document/d/1EclDymfgaszAcKmYlr6wYt4XRi5_GFhQo4DeqrGAfAE/edit?usp=sharing