

## **March 2023 Literature Review Series References**

Special Guest: Brent Tucker, PharmD

### **Featured Articles**

Hassager C, Schmidt H, Møller JE, et al. Duration of Device-Based Fever Prevention after Cardiac Arrest. *N Eng J Med*. 2023; 388(10): 888-897.

<https://pubmed.ncbi.nlm.nih.gov/36342119/>

Bosch NA, Teja B, Law AC, et al. Comparative Effectiveness of Fludrocortisone and Hydrocortisone vs Hydrocortisone Alone Among Patients With Septic Shock. *JAMA Intern Med*. 2023; 183(5): 451-459. <https://pubmed.ncbi.nlm.nih.gov/36972033/>

Ibarra-Estrada M, Kattan E, Aguilera-González P, et al. Early adjunctive methylene blue in patients with septic shock: a randomized controlled trial. *Crit Care*. 2023; 27(1): 110.

<https://pubmed.ncbi.nlm.nih.gov/36915146/>

Meinel TR, Wilson D, Gensicke H, et al. Intravenous Thrombolysis in Patients With Ischemic Stroke and Recent Ingestion of Direct Oral Anticoagulants. *JAMA Neurol*. 2023; 80(3): 233-243.

<https://pubmed.ncbi.nlm.nih.gov/36807495/>

Holden DN, Mucksavage JJ, Cokley JA, et al. Hypertonic saline use in neurocritical care for treating cerebral edema: A review of optimal formulation, dosing, safety, administration and storage. *Am J Health Syst Pharm*. 2023; 80(6): 331-342.

<https://pubmed.ncbi.nlm.nih.gov/36480317/>

### **Sepsis**

Teja B, Bosch NA, Walkey AJ. How We Escalate Vasopressor and Corticosteroid Therapy in Patients With Septic Shock. *Chest*. 2023; 163(3): 567-574.

<https://pubmed.ncbi.nlm.nih.gov/36162481/>

Bauer SR, Sacha GL, Siuba MT, et al. Vasopressin Response and Clinical Trajectory in Septic Shock Patients. *J Intensive Care Med*. 2023; 38(3): 273-279.

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Herridge MS, Azoulay É. Outcomes after Critical Illness. *N Eng J Med*. 2023; 388(10): 913-924.

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## **Heme**

Abrahamyan L, Tomlinson G, Callum J, et al. Cost-effectiveness of Fibrinogen Concentrate vs Cryoprecipitate for Treating Acquired Hypofibrinogenemia in Bleeding Adult Cardiac Surgical Patients. *JAMA Surg.* 2023; 158(3): 245-253. <https://pubmed.ncbi.nlm.nih.gov/36598773/>

Flyter RR. Use of Whole Blood in Civilian Trauma Resuscitation: Is It Better Than Component Therapy? *Am J Crit Care.* 2023; 32(2): 136-139. <https://pubmed.ncbi.nlm.nih.gov/36854905/>

Erstad BL, Barletta JF. Pharmacologic venous thromboembolism prophylaxis in obese trauma patients. *Am J Health Syst Pharm.* 2023; 80(5): 258-266. <https://pubmed.ncbi.nlm.nih.gov/36445848/>

## **Infectious Diseases**

Meng L, Mui E, Ha DR, et al. Comprehensive guidance for antibiotic dosing in obese adults: 2022 update. *Pharmacotherapy.* 2023; 43(3): 226-246. <https://pubmed.ncbi.nlm.nih.gov/36703246/>

McAlister MJ, Rose DT, Hudson FP, et al. Oral  $\beta$ -lactams vs fluoroquinolones and trimethoprim/sulfamethoxazole for step-down therapy for Escherichia coli, Proteus mirabilis, and Klebsiella pneumoniae bacteremia. *Am J Health Syst Pharm.* 2023; 80(Suppl 1): S33-S41. <https://pubmed.ncbi.nlm.nih.gov/35868628/>

Mack T, Hiles JH, Wrin J, et al. Use of Fluoroquinolones or Sulfamethoxazole-Trimethoprim Compared to B-Lactams for Oral Step-Down Therapy in Hospitalized Patients With Uncomplicated Enterobacteriales Bacteremia. *Ann Pharmacother.* 2023; 57(3): 251-258. <https://pubmed.ncbi.nlm.nih.gov/35758168/>

Daghmouri MA, Dudoignon E, Chaouch MA, et al. Comparison of a short versus long-course antibiotic therapy for ventilator-associated pneumonia: a systematic review and meta-analysis of randomized controlled trials. *EClinicalMedicine.* 2023; 58: 101880. <https://pubmed.ncbi.nlm.nih.gov/36911269/>

Saleem N, Kulkarni A, Chandos Snow TA, et al. Effect of Corticosteroids on Mortality and Clinical Cure in Community-Acquired Pneumonia: A Systematic Review, Meta-analysis, and Meta-regression of Randomized Control Trials. *Chest.* 2023; 163(3): 484-497. <https://pubmed.ncbi.nlm.nih.gov/36087797/>

### **Pharmacist-Featured Articles**

Buckley MS, Benanti GE, Meckel J, et al. Correlation between partial thromboplastin time and thromboelastography in adult critically ill patients requiring bivalirudin for extracorporeal membrane oxygenation. *Pharmacotherapy*. 2023; 43(3): 196-204.

<https://pubmed.ncbi.nlm.nih.gov/36759323/>

Posen A, Bursua A, Petzel R. DOsing Strategy Effectiveness of Diltiazem in Atrial Fibrillation With Rapid Ventricular Response. *Ann Emerg Med*. 2023; 81(3): 288-296.

<https://pubmed.ncbi.nlm.nih.gov/36402632/>

Kelly GS, Branstetter LA, Moran TP, et al. Low- versus high-dose nitroglycerin infusion in the management of acute pulmonary edema. *Am J Emerg Med*. 2023; 65: 71-75.

<https://pubmed.ncbi.nlm.nih.gov/36587564/>

Schmitt CJ, Mattson AE, Brown CS, et al. The incidence of cardiovascular instability in patients receiving various vasopressor strategies for peri-intubation hypotension. *Am J Emerg Med*. 2023; 65: 104-108.

<https://pubmed.ncbi.nlm.nih.gov/36603354/>

### **Random Fun Article of the Month**

Marcus GM, Rosenthal DG, Nah G, et al. Acute Effects of Coffee Consumption on Health among Ambulatory Adults. *N Eng J Med*. 2023; 388(12): 1092-1100.

<https://pubmed.ncbi.nlm.nih.gov/36947466/>

### **Other Articles/Guidelines Referenced**

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Annane D. Why My Steroid Trials in Septic Shock Were "Positive." *Crit Care Med*. 2019; 47(12): 1789-1793. <https://pubmed.ncbi.nlm.nih.gov/31259754/>

Kirov MY, Evgenov OV, Evgenov NV, et al. Infusion of methylene blue in human septic shock: a pilot, randomized, controlled study. *Crit Care Med*. 2001; 29(10): 1860-1867.

<https://pubmed.ncbi.nlm.nih.gov/11588440/>

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Frol S, Sagris D, Oblak JP, et al. Intravenous Thrombolysis After Dabigatran Reversal by Idarucizumab: A Systematic Review of the Literature. *Front Neurol*. 2021; 12: 666086.

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Callum J, Farkouh ME, Scales DC, et al. Effect of Fibrinogen Concentrate vs Cryoprecipitate on Blood Component Transfusion After Cardiac Surgery: The FIBRES Randomized Clinical Trial.

*JAMA*. 2019; 322(20): 1966-1976. <https://pubmed.ncbi.nlm.nih.gov/31634905/>

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