

## **Emergency Medicine Pearls References**

Special Guest: Megan Rech, PharmD, MS, BCCCP, FCCM, FCCP

### **Highlighted Conference Registration Links**

EMPowerRx Conference - <https://empowerx-conference.com>

Rutgers Critical Care Symposium - <https://rutgers.cloud-cme.com/course/courseoverview?P=0&EID=17157&formid=2931>

### **Tranexamic Acid in Epistaxis**

Tunkel DE, Anne S, Payne SC, et al. Clinical Practice Guideline: Nosebleed (Epistaxis). *Otolaryngol Head Neck Surg.* 2020; 162(1\_suppl): S1-S38. <https://pubmed.ncbi.nlm.nih.gov/31910111/>

Rech MA, Gottlieb M. Can't Stop, Won't Stop: The Return of Tranexamic Acid for Epistaxis. *Ann Emerg Med.* 2022; 80(3): 189-191. <https://pubmed.ncbi.nlm.nih.gov/35842341/>

Hosseinalhashemi M, Jahangiri R, Faramarzi A, et al. Intranasal Topical Application of Tranexamic Acid in Atraumatic Anterior Epistaxis: A Double-Blind Randomized Clinical Trial. *Ann Emerg Med.* 2022; 80(3): 182-188. <https://pubmed.ncbi.nlm.nih.gov/35752521/>

Reuben A, Appelboam A, Stevens KN, et al. The Use of Tranexamic Acid to Reduce the Need for Nasal Packing in Epistaxis (NoPAC): Randomized Controlled Trial. *Ann Emerg Med.* 2021; 77(6): 631-640. <https://pubmed.ncbi.nlm.nih.gov/33612282/>

Zahed R, Moharamzadeh P, Alizadeharasi S, et al. A new and rapid method for epistaxis treatment using injectable form of tranexamic acid topically: a randomized controlled trial. *Am J Emerg Med.* 2013; 31(9): 1389-1392. <https://pubmed.ncbi.nlm.nih.gov/23911102/>

Janapala RN, Tran QK, Patel J, et al. Efficacy of topical tranexamic acid in epistaxis: A systematic review and meta-analysis. *Am J Emerg Med.* 2022; 51: 169-175. <https://pubmed.ncbi.nlm.nih.gov/34763235/>

Tran QK, Barnett J, O'Connell F, et al. Nasal Packing in the Emergency Department: A Practical Review for Emergency Providers. *Open Access Emerg Med.* 2021; 13: 527-533. <https://pubmed.ncbi.nlm.nih.gov/34880690/>

## **Desmopressin (DDAVP) in Antiplatelet-Associated Intracranial Hemorrhage**

Frontera JA, Lewin III JJ, Rabinstein AA, et al. Guideline for Reversal of Antithrombotics in Intracranial Hemorrhage: Executive Summary. A Statement for Healthcare Professionals From the Neurocritical Care Society and the Society of Critical Care Medicine. *Crit Care Med*. 2016; 44(12): 2251-2257. <https://pubmed.ncbi.nlm.nih.gov/27858808/>

Greenberg SM, Ziai WC, Cordonnier C, et al. 2022 Guideline for the Management of Patients With Spontaneous Intracerebral Hemorrhage: A Guideline From the American Heart Association/American Stroke Association. *Stroke*. 2022; 53(7): e282-e361. <https://pubmed.ncbi.nlm.nih.gov/35579034/>

Geiger H, Samai K. Desmopressin for Antiplatelet-Associated Intracranial Hemorrhage: A Concise Review. *J Trauma Nurs*. 2021; 28(1): 56-58. <https://pubmed.ncbi.nlm.nih.gov/33417404/>

Loggini A, El Ammar F, Darzi AJ, et al. Effect of desmopressin on hematoma expansion in antiplatelet-associated intracerebral hemorrhage: A systematic review and meta-analysis. *J Clin Neurosci*. 2021; 86: 116-121. <https://pubmed.ncbi.nlm.nih.gov/33775314/>

McManus J, Ferreira J, Jones GM, et al. Effect of desmopressin acetate on acute spontaneous intracranial hemorrhage in patients on antiplatelet therapy. *J Neurol Sci*. 2022; 434: 120142. <https://pubmed.ncbi.nlm.nih.gov/35081458/>

Mengel A, Stefanou MI, Hadaschik KA, et al. Early Administration of Desmopressin and Platelet Transfusion for Reducing Hematoma Expansion in Patients With Acute Antiplatelet Therapy Associated Intracerebral Hemorrhage. *Crit Care Med*. 2020; 48(7): 1009-1017. <https://pubmed.ncbi.nlm.nih.gov/32304415/>

Feldman EA, Meola G, Zyck S, et al. Retrospective Assessment of Desmopressin Effectiveness and Safety in Patients With Antiplatelet-Associated Intracranial Hemorrhage. *Crit Care Med*. 2019; 47(12): 1759-1765. <https://pubmed.ncbi.nlm.nih.gov/31567345/>

### **Awareness with Paralysis Post-Rapid Sequence Intubation**

Hampton JP, Hommer K, Musselman M, et al. Rapid sequence intubation and the role of the emergency medicine pharmacist: 2022 update. *Am J Health Syst Pharm.* 2023; 80(4): 182-195. <https://pubmed.ncbi.nlm.nih.gov/36306474/>

Driver BE, Prekker ME, Wagner E, et al. Recall of Awareness During Paralysis Among ED Patients Undergoing Tracheal Intubation. *Chest.* 2023; 163(2): 313-323. <https://pubmed.ncbi.nlm.nih.gov/36089069/>

Fuller BM, Pappal RD, Mohr NM, et al. Awareness With Paralysis Among Critically Ill Emergency Department Patients: A Prospective Cohort Study. *Crit Care Med.* 2022; 50(10): 1449-1460. <https://pubmed.ncbi.nlm.nih.gov/35866657/>