



Nebulized Tranexamic Acid for Pediatric Post-tonsillectomy Hemorrhage: A Report of Two Cases

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ABSTRACT

Introduction: Tranexamic acid (TXA) use in pediatrics to control hemorrhage has gained interest in recent years, but there is limited literature on nebulized TXA especially regarding dosing and adverse effects. Tranexamic acid has anti-fibrinolytic properties via competitive inhibition of plasminogen activation making it a logical approach to promote hemostasis in cases of post-tonsillectomy hemorrhage.

Case Report: We describe two cases of post-tonsillectomy hemorrhage managed with nebulized TXA. In both cases, bleeding was stopped after TXA administration.

Conclusion: To our knowledge, this is the first case report to describe the use of nebulized TXA without an adjunct pharmacotherapy. Our two cases add additional reportable data on the safety of nebulized TXA and possible effectiveness on post-tonsillectomy hemorrhage

BIOGRAPHY

Cecilia Monteilh, MD is currently an attending physician at Phoenix Childrens Hospital in Phoenix, Arizona, USA. She has a passion for clinical research as well as resident and fellow education. She co-directs the emergency department simulation program for house staff and is actively engaged in research and quality improvement within the hospital.



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