Use of desmopressin in children with inherited platelet dysfunctions undergoing adenotonsillar procedures

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Abstract

INTRODUCTION AND GOALS:
Adenotonsillar surgery represents a major haemostatic challenge in paediatric patients with mild inherited platelet dysfunction. While there are recommendations for perioperative haemostatic management, there are no reports of the outcomes with the different recommendations in these children when undergoing adenotonsillectomy. Our objective was to evaluate the management of perioperative bleeding with desmopressin in children with mild platelet dysfunctions who underwent adenotonsillar surgery in our hospital.

METHODS:
We performed a retrospective study aimed at determining the perioperative bleeding and complication rate in children with mild inherited platelet dysfunction in whom desmopressin was used while undergoing adenotonsillar procedures.

RESULTS:
Between 2004 and 2010, 27 children with mild inherited platelet dysfunction underwent adenotonsillar procedures in our hospital and were treated with desmopressin. One patient developed perioperative bleeding (3.7%) and there was 1 child (3.7%) who presented transitory hypotension as a side effect of desmopressin.

CONCLUSIONS:
The use of desmopressin allowed adequate perioperative bleeding prophylaxis management in children with mild inherited platelet dysfunction who underwent adenotonsillar procedures without presenting severe complications.