

COMPARING SIMILAR AND DIVERSIFIED TREATMENT MODALITIES IN HEMOPHILIA PATIENTS WITH POST-OPERATIVE DENTAL COMPLICATIONS



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INTRODUCTION

- Dental extractions are among the most common procedures associated with the risk of post-operative bleeding in patients with hemophilia
- The treatment protocol requires multidisciplinary collaboration between the haematologist, nurse co-ordinator and the oral surgeon
- Excessive bleeding and post-operative wound infections are two common complications experienced by patients with hemophilia

METHODS

- Our focus is to review post-operative complications and investigate the need to adopt standardized treatment modalities
- Two Regional Hemophilia Treatment Centres evaluated the treatment protocols of the hemophilia patients and hemophilia carriers who experienced post-operative complications after dental procedures to assess treatment plans and outcomes

RESULTS

Patient and Procedure Information

	Hemophilia A (N=4)	Hemophilia B (N=5)
Patient Information		
Age (years), mean (range)	33 (18-39)	20 (18-27)
Gender, M/F	3/1	5/0
Factor Levels (%), mean (range)	18 (1-30)	3 (1-4)
Procedure		
Dental extractions	3	5
Dental filling	1	0
Post-Procedure Complication		
Bleeding	4	5
Infection	0	2*

*Two FIX patients had bleeding and infection complications post dental procedure

Treatment Modalities

	Hemophilia A (N=4)	Hemophilia B (N=5)
Pre-Procedure Treatment		
Tranexamic Acid + rFVIII pre-procedure*	1	0
Tranexamic Acid + rFIX pre-procedure [§]	0	5
Tranexamic Acid only pre-procedure	1	0
Tranexamic Acid + DDAVP pre-procedure	2	0
Post-Procedure Prescribed Treatment		
Tranexamic Acid + rFVIII post-procedure [^]	1	0
Tranexamic Acid + rFIX post-procedure ^{>}	0	4
Tranexamic Acid only post-procedure	3	1
Tranexamic Acid + DDAVP post-procedure	0	0
Post-Procedure Treatment in Response to Bleeding		
Tranexamic Acid only	2	1
Tranexamic Acid + rFIX	0	4

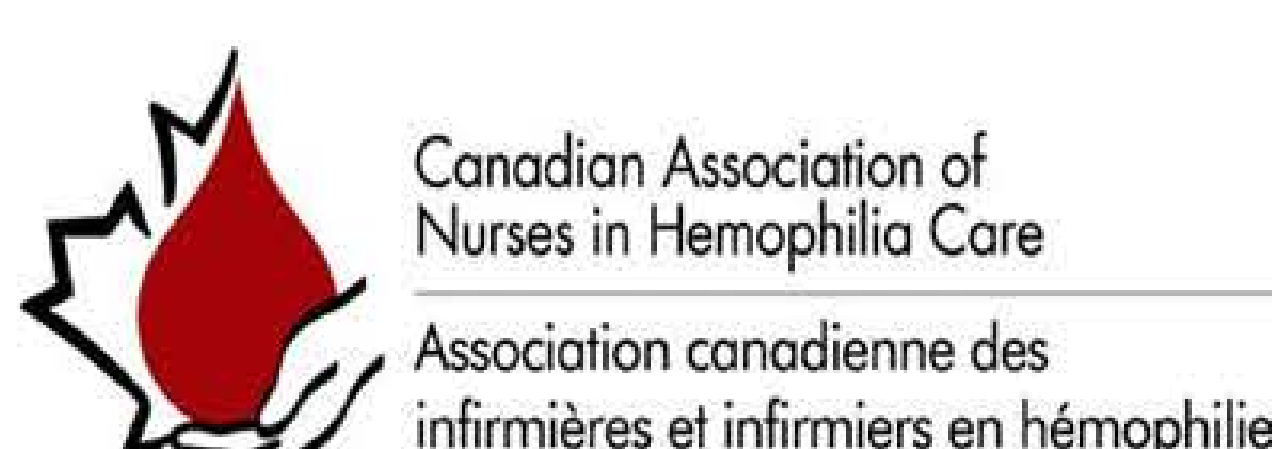
*50 u/kg, ^ 23 u/kg, § 35-110 u/kg, > 34-68 u/kg

- All patients experienced post-dental extraction bleeding for up to 14 days despite pre- and post-prescribed treatment therapies
- Extended post-dental therapy was added to 7 patients
- Tranexamic Acid 5% swish and swallow solution was used in 3 of these patients

SUMMARY/CONCLUSION

- Despite pre- and post-dental treatment, all patients had bleeding complications and two also experienced infection
- Post-operative dental complications in hemophilia patients and carriers are common
- Standard evidenced-based treatment protocols need to be implemented to decrease complications

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Poster Category: Nursing Issues

