

6 Why Do Only The Boys Have It?

Learning Objectives

- X-linked inheritance
- General understanding of haemophilia

Answers

1. The main features of haemophilia include:
 - Prolonged bleeding due to lack of clotting.
 - Internal bleeding.
 - Bleeding into joints such as knees, ankle and elbows.
 - Less commonly, bleeding into muscles and internal organs.
2. 1 in 4 (a 1 in 2 chance of having a son and a 1 in 2 chance of passing on the gene for haemophilia).
3. Administration of the blood clotting factor (either factor VIII or IX depending on the type of haemophilia) that is lacking.
In the future, gene therapy may be an option for the treatment of haemophilia. See Sheet 10 for more information on gene therapy.

	Gregory		
	X^H	Y	
Maria	X^H	$X^H X^H$	$X^H Y$
	X^h	$X^H X^h$	$X^h Y$

Resources

Reference Sheets B and D

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