

I have a brother with haemophilia and I'm expecting my first baby

Practising drawing a genetic family history - Worksheet 1

Introduction

Sophie Thomas and her husband Chris have read about free fetal DNA testing in pregnancy. They are requesting the test because they are expecting their first baby and Sophie has a brother with haemophilia A. Sophie has never had carrier testing and neither has her mother who is very “anti-genetic testing”. Use the family history information below to draw the family tree.

Information about Sophie and Chris's family

- Sophie Thomas (12/5/1988) is 6 weeks pregnant. Her husband is Chris (2/1/1988).
- Sophie's mother is Bernadette Spriggs (5/9/1964).
- Sophie's father is Bob Spriggs (19/10/1962). Bob suffers with diabetes and coronary heart disease.
- Bob is adopted and has no knowledge of his birth family.
- Bob and Bernadette have two other children, Jane and Jonathan Spriggs.
- Jane Spriggs (7/6/1990) has no children and has no symptoms of haemophilia A.
- Jonathan Spriggs (7/7/1992) has haemophilia A.
- Bernadette Sprigg's brother (David Evans) has haemophilia A. Although Bernadette suspects she is a carrier she is reluctant to be tested.
- Bernadette's parents have died but Bernadette knows that her mother had two brothers (now both deceased) who had haemophilia A.
- Chris Thomas' parents are Arthur (8/7/1961) and Gill (17/11/1962).
- Gill is fit and well but Arthur died in June 2009 from a brain tumour.
- Chris has identical twin older sisters, Jenny and Samantha (16/6/1986). They are both fit and well.
- Don't forget to date and sign the genetic family history pedigree.

Draw the genetic family history (pedigree) here

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