

A family with a history of heart attacks

Practising drawing a genetic family history - Worksheet 7

Introduction

Chris Bell (age 30) is admitted to hospital with severe chest pain radiating to his jaw. This came on during his usual exercise session at the gym. He tells you that he has a number of relatives who have had heart attacks. Chris and his partner are anxious to know if any children they may have could have an increased chance of having heart attacks. Use the family history information below to draw the family tree.

Information about Chris' family

- Chris Bell (23/6/1977) and his partner Melanie (19/3/1978) do not have any children at present.
- Chris' father, Peter (16/3/1945), died in a road traffic accident at the age of 35 years when his car unexpectedly ran into a stationary lorry. Chris' mother, Margaret (21/8/1947), is fit and well.
- Peter and Margaret Bell also have a daughter Susan (17/12/1979) and a son Stephen (3/10/82) who are both well.
- Susan is married to Andrew Jones (13/1/1976). They have a son, Craig (9/1/2003); all are well.
- Margaret Bell does not know details of her parents but knows she has no brothers or sisters.
- Peter Bell's father, John Bell (26/8/1922) survived a heart attack at the age of 38 but died from a subsequent one when he was 50.
- Peter's mother, Elizabeth Bell is alive and well and aged 82 years.
- John and Elizabeth Bell had two more sons, Trevor (29/11/43) who died suddenly at the age of 50 and Julian (30/3/48) who is alive and well. They also had a daughter, Ruth Adams (4/4/1951), who died following a heart attack at the age of 45.
- Ruth's daughter Emily (7/2/1981) is alive and well.
- Don't forget to date and sign the genetic family history pedigree.

Draw the genetic family history (pedigree) here

A family with a history of heart attacks

Practising drawing a genetic family history - Worksheet 7

Introduction

Chris Bell (age 30) is admitted to hospital with severe chest pain radiating to his jaw. This came on during his usual exercise session at the gym. He tells you that he has a number of relatives who have had heart attacks. Chris and his partner are anxious to know if any children they may have could have an increased chance of having heart attacks. The pedigree representing the family history is shown below.

Information about Chris' family

- Chris Bell (23/6/1977) and his partner Melanie (19/3/1978) do not have any children at present.
- Chris' father, Peter (16/3/1945), died in a road traffic accident at the age of 35 years when his car unexpectedly ran into a stationary lorry. Chris' mother, Margaret (21/8/1947), is fit and well.
- Peter and Margaret Bell also have a daughter Susan (17/12/1979) and a son Stephen (3/10/82) who are both well.
- Susan is married to Andrew Jones (13/1/1976). They have a son, Craig (9/1/2003); all are well.
- Margaret Bell does not know details of her parents but knows she has no brothers or sisters.
- Peter Bell's father, John Bell (26/8/1922) survived a heart attack at the age of 38 but died from a subsequent one when he was 50.
- Peter's mother, Elizabeth Bell is alive and well and aged 82 years.
- John and Elizabeth Bell had two more sons, Trevor (29/11/43) who died suddenly at the age of 50 and Julian (30/3/48) who is alive and well. They also had a daughter, Ruth Adams (4/4/1951), who died following a heart attack at the age of 45.
- Ruth's daughter Emily (7/2/1981) is alive and well.
- Don't forget to date and sign the genetic family history pedigree.

The pedigree representing the family history is shown below

