

# A family history of muscle weakness

## Practising drawing a genetic family history series - Worksheet 2

### Introduction

Becky Jones is aged 11 and she suffers from a condition which causes weakness of her muscles. She cannot skip, jump or walk very far and she has difficulty in carrying heavy books. Becky's family are trying to understand why Becky is affected. Use the family history information below to draw the family tree.

### Information about Becky's family

- Becky's father is Gavin Jones (aged 39) and he is fit and well.
- Becky's mother is Julie aged 37.
- Becky has 3 siblings: a brother and sister, Tom and Jessica aged 9, who are twins and a brother, Jack aged 7.
- Tom and Jessica have no problems with their muscles, but Becky's youngest brother Jack has the same problems with his muscles as Becky has. He finds it difficult to play football because he tires very easily.
- Gavin Jones has no brothers and sisters. His parents, John and Margaret, are reasonably fit and well.
- John is aged 65 and he has high blood pressure which is treated with tablets. His wife, Margaret, is aged 64 and is fit and well.
- Becky's mother Julie has muscle weakness and fatigue similar to Becky and Jack.
- Julie has a brother Mark (aged 34). He has no problems with his muscles.
- Julie and Mark's father, Peter Smith (aged 68), also has muscle weakness, although his symptoms are not as severe as Julie's.
- Julie and Mark's mother, Jean (aged 64), has diabetes but no muscle problems.
- Don't forget to date and sign the genetic family history pedigree.
- **Wherever possible it is helpful to record dates of birth, but sometimes these are not available. In which case ages may be recorded, as shown in this pedigree.**

Draw the genetic family history (pedigree) here

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