



The Royal College of Pathologists  
Pathology: the science behind the cure



## Y (and X) Chromosomes

We all have two sex chromosomes. Men have one X and one Y chromosome (XY) and women have two X chromosomes (XX). Clinical features (for example, infertility) may indicate an abnormal set of sex chromosomes (for example, XXY).

Geneticists are pathologists who investigate sex chromosomes at the microscopic and molecular level.