

10 Mark is 20 years old and is very tall and muscley. He is constantly in trouble with the police.

When Mark was a toddler, he started to talk at a slightly later age than his sister. At school Mark found it difficult to concentrate as he was easily distracted from his work. He was a member of a junior rugby team until he was asked to leave after being too aggressive. As a teenager Mark often got into fights. He left school at the age of 16 with average exam results, but his parents were disappointed as he did not do as well as his sister.

Mark has just been arrested after crashing a stolen car. His mother says his criminal behaviour is due to his genetics whilst his father says it is due to Mark being seen as a naughty child in the past.

Evaluate XYY syndrome as an explanation of Mark's behaviour.

You must make reference to the context in your answer.

(16)

XYY Syndrome is an explanation of criminal behaviour. It is a disorder found in men who have an extra y chromosome and so have an imbalance. 1:1000 men are found to have it in the general public. This could quite explain that Mark may have XYY Syndrome which explains his aggression and explains his lack of academic ability.

A positive is that research into prison and general population has spread interest into XYY. A study found that in prison population there are 14:1000 men who interest XYY but in general it is 1:1000 outside prison population. This suggests that XYY clearly has its toll on criminality as it is found higher in a prison population than general



population. However, a ~~study~~ study which looked at Danish prisons suggests quite the opposite. In Denmark, there were 14,400 with XYY within prison but none of them were for violent-related crimes. Therefore XYY may not explain Mark's aggressive side.

XYY has many physical and emotional symptoms. The physical symptoms include testicular atrophy, poor facial hair growth, poor chest hair growth, excessively aggressive, more active and competitive, takes part in regular exercise. Here, in Mark's case this could associate his participation in sport e.g. rugby and how that causes him to be aggressive which also later approves of his Mum's argument that genetics explain his behaviour. This later leads to him stealing a car and crashing it.

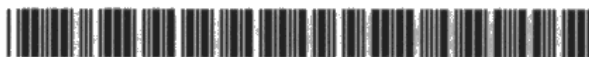
A strength of XYY is that it gives criminal behaviour a solo explanation which means we may be able to allocate effective treatment to those with XYY. As at current time is very little is my treatment towards XYY so this could help reduce criminality and aggression within others. However, it is incredibly difficult to



Determine who does and who does not have XYY as levels of testosterone remain the same between XY and xyy males. Therefore, hard to predict those with or without it and then for those who need treatment.

XYY also explains emotional symptoms such as those with XYY usually fail to concentrate, ~~or~~ are not adjust to emotions as well as those without and have an increased impulsivity. This explains why he struggles at school and that he does not achieve as well as his sister and explains his late development. Lack of education can be linked to crime so this is crucial.

In conclusion, XYY clearly shows aspects of Mark's behaviour as regards to his excessive aggression and his lack of concentration or academic ability. This provides application for those with XYY as it is not just out early during or straight away but early intervention can be put in place. This would prevent ~~the~~ academic fall-back and could even reduce aggression to which could explain criminal behaviour. However, clinical beliefs



may be explained via learning. Set as
SLT that Mark's role models in schools may
have influenced and motivated his behaviour to
reproduce acts of aggression.

(Total for Question 10 = 16 marks)

TOTAL FOR SECTION B OPTION 1 = 36 MARKS



P 7 1 9 1 9 R A 0 3 3 5 6