

134. An abnormal human baby with 'XXX' sex chromosome was born due to:

- a) Formation of abnormal ova in the mother
- b) Fusion of two ova and one sperm
- c) Fusion of two sperms and one ovum
- d) Formation of abnormal sperms in the father

In this question both option (a) and (d) are correct. XXX condition in humans can originate due to Maternal defect in meiosis I or meiosis II or due to paternal defect in meiosis II. These defects can give rise to abnormal egg with XX or abnormal sperm with XX which if fuses with normal gamete of opposite sex will give rise to an abnormal zygote with XXX.

Reference- Harrison's Principles of Internal Medicine.

