

Atypical Meiosis

Non-disjunction

- in some special circumstances, non-disjunction occurs
- the chromosomes fail to separate properly in meiosis
- one sex cell gets 24 and the other gets 22 chromosomes

http://www.biostudio.com/d_%20Meiotic%20Nondisjunction%20Meiosis%20I.htm



Examples:



Video

Downs Syndrome-Trisomy 21

Turner's Syndrome-X₀

Klinefelter Syndrome-XXY

Edward's Syndrome-Trisomy 18

Patau syndrome-Trisomy 13

Karyotypes are photographic maps of human chromosomes and are used to determine specifically what disorder might be present

Attachments

Biologix__Chromosomal_Alterations.asf