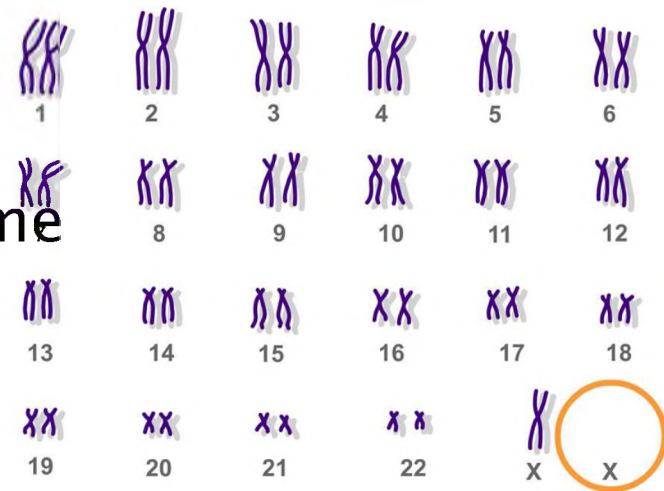


Turner syndome

By Sebastian Kurz

Cause of Turner syndrome

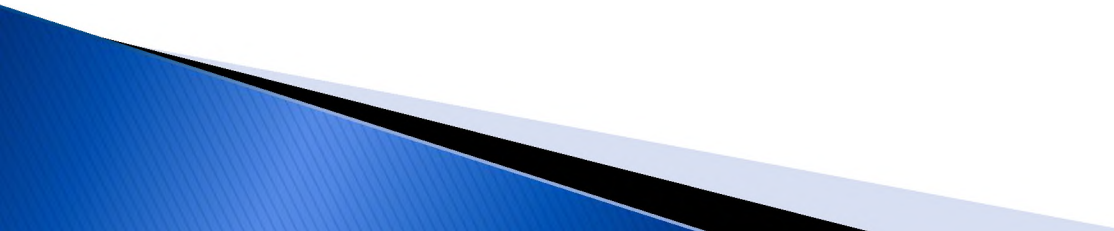
- ▶ **Monosomy X**
 - Girls usually inherits two X chromosomes
 - Surviving with only Y chromosome not possible
- ▶ **Caused by nondisjunction**
 - Pair of sex chromosomes fail to separate
- ▶ **Other cause: Defect parental material**
 - Eg. Sperm without X chromosome



Symptoms

- ▶ Short stature
 - Often starting in puberty
- ▶ No estrogen and progesterone production
 - No menstrual cycle
 - Infertility
- ▶ Other possible symptoms:
 - Skeletal abnormalities (Osteoporosis)
 - Broad chest
 - Scoliosis
 - High blood pressure

Treatment

- ▶ Growth hormone therapy
 - ▶ Estrogen replacement therapy
 - ▶ Cardiac surgery
 - ▶ Psychological treatment
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Prognosis

- ▶ Overall good prognosis
 - ▶ Most patients stay shorter than average
 - ▶ No mental retardation
 - ▶ Slightly shorter life expectation
 - ▶ Usually infertility
- 