

What is Turner Syndrome?

Turner syndrome (TS) was discovered in 1928 and defined as a chromosomal condition describing females* with common features, physical traits, and medical conditions caused by the complete or partial absence of the second sex chromosome. TS affects people differently, so each person has unique health needs and characteristics. Early diagnosis is vital to treat TS-related health issues and health maintenance is necessary throughout life.

*Although TS is defined as a female condition, our organization understands males with a 45 X cell line may be diagnosed with TS.

Early diagnosis is vital so that treatment can begin for any TS-related health issues.

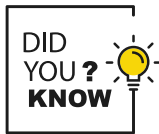
- Short Stature (under 5')
- Unexplained delayed puberty/menstruation
- Cardiac issues & Kidney irregularities
- Non-functioning ovaries/reduced fertility
- Numerous moles
- Droopy eyelids, down-turned eyes, low-set, prominent ears, narrow roof of mouth
- Neck webbing
- Hearing loss (both conductive and sensorineural)
- Recurrent middle ear infections



- Hip dysplasia
- Upturned fingernails/toenails
- Educational and behavioral difficulties
- Slower Processing speed
- Repetitive thoughts
- Anxiety/Depression
- Excellent verbal skills/vocabulary
- Educational and behavioral difficulties
 - Slower Processing speed
 - Repetitive thoughts
 - Anxiety/Depression

Believe in Miracles!

Approximately **98%** of Turner syndrome pregnancies end in miscarriage, many even before diagnosis. Those who are living with TS truly are miracles!

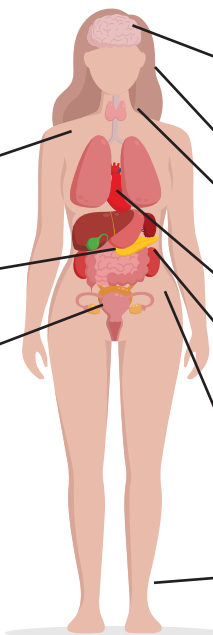



- TS can be diagnosed**
- During **fetal life**
 - In **infancy**
 - During **childhood**
 - During **late pre-teen** period (8-12 years)
 - **Late adolescence/adulthood.**

A simple **blood test** is used to **determine the karyotype** (chromosome makeup).

Some Health Issues Related to Turner Syndrome

SLOWER PROCESSING SPEED, REPETITIVE THOUGHTS, ANXIETY/DEPRESSION ARE ALSO COMMON.



- Educational Difficulties
- Hearing Loss
- Thyroid Disease
- Hypertension, Heart Abnormalities
- Kidney and Liver Concerns, Type I and II Diabetes
- Hip Dysplasia
- Lymphedema (swelling)
- Scoliosis, osteopenia, and osteoporosis
- Celiac/Chron's Disease
- Reduced Fertility

Turner syndrome is a variable condition. Not every person will be affected in the same way or to the same degree.