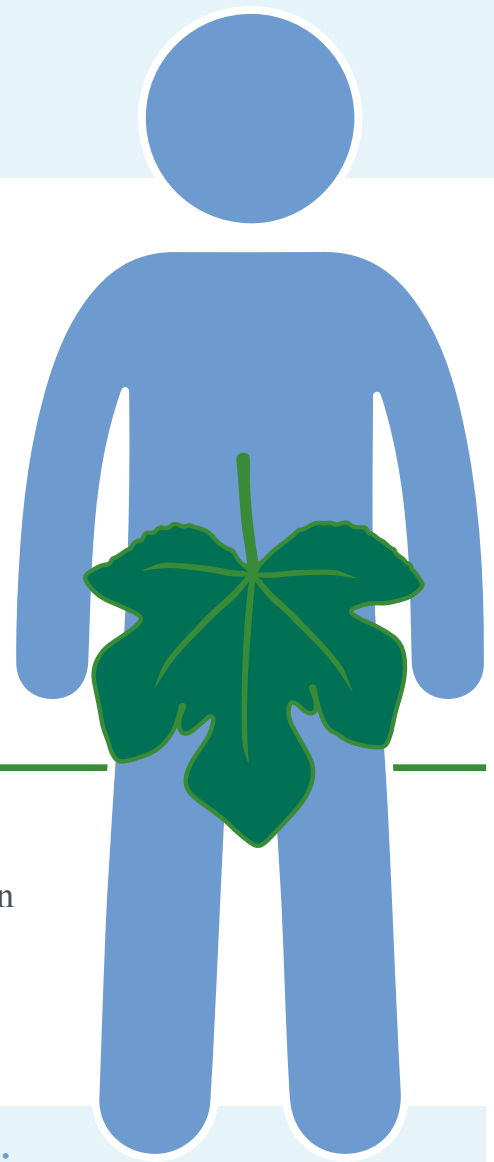


# Klinefelter's Syndrome

## Lift the fig leaf

Standard supermarket figs are about the same size as an adult's testicles.

Smaller 'figs' may indicate Klinefelter's Syndrome.



**Klinefelter's Syndrome (KS) 47XXY** is caused by the presence of one or more additional sex chromosomes. It is the most common sex chromosome abnormality affecting humans, and although thought to be rare, it occurs in about 1 in 600 live male births. Studies have shown that **at least 75% were NOT diagnosed**.\*

### The Importance of Early Diagnosis

**Klinefelter's Syndrome/XXY** can have a major adverse effect on the quality of life and health of those affected.

#### Indicators:

- High LH
- High FSH
- High SHBG
- Low testosterone level

Karyotype to confirm diagnosis

**1** Early intervention may increase fertility options.

**2** Hormone replacement can improve quality of life, stave off osteoporosis and reduce anxiety and fatigue.

**3** Early support will help children to develop to their full potential.

\*Bojesen A Gravholt CH (2007) Klinefelter syndrome in clinical practice. Nat Clin Pract Urol Apr;4(4): 192-204

## Klinefelter's Syndrome Association

☎ Helpline: **0300 111 4748**

🌐 Website: **www.ksa-uk.net**

📘 Facebook: **Klinefelter's Syndrome Association**

Charity Registration Number 1058319

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Syndrome  
Association

## Diagnostic triggers

### The most likely opportunities for diagnosis are:

- During **pregnancy** if screening was carried out
- **Pre-school** if the child has a language delay or disorder
- During **schooling** if the youngster is having difficulties either socially and/or academically
- During **adolescence** if there is breast development or social/school problems
- In **adulthood** as a result of fertility investigations or following a diagnosis of osteoporosis

## Wide spectrum of signs and symptoms

Identifying **KS/XXY** can be difficult because **symptoms vary considerably** from person to person. These are **some** of the most common but please **see our website for more indications**.

### In children

- speech/language development disorders
- tall stature/long limbs
- small penis
- undescended testicles
- poor social skills
- a variety of learning difficulties

### Additional symptoms in adults

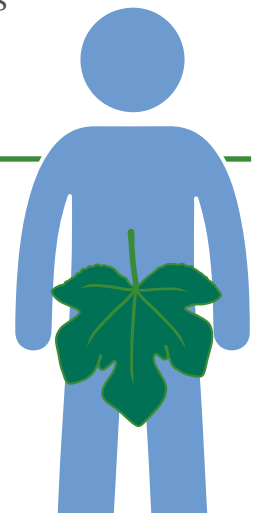
- infertility, small testicles
- gynaecomastia
- low sex drive
- lack of virilisation
- osteoporosis
- anxiety and depression
- poor communication skills
- low self-esteem

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Help them to have a better life.

***Lift the fig leaf...***

Diagnose Klinefelter's Syndrome/XXY.



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