

Fast Facts

Klinefelter Syndrome

- All humans have 46 chromosomes, including two sex chromosomes that determine gender
 - Females have two X sex chromosomes (XX) and males have an X and a Y (XY).
- With the disorder, child is born with extra copy of the X chromosome (XXY) in all the cells
 - If only some cells receive the extra copy this is mosaic Klinefelter syndrome (fewer symptoms)
- A rare form is having more than one extra copy of the X chromosome (severe symptoms)
- All of these are caused by a random error in genetic sequencing, not an inherited condition

<i>Symptoms</i>	<i>Treatment</i>	<i>Prevention</i>
<p><i>Babies:</i></p> <ul style="list-style-type: none"> -Weak muscles -Slow motor development -Delays in speaking -Problems at birth <p><i>Boys/Teens:</i></p> <ul style="list-style-type: none"> -Taller than average stature -Small/firm testicles -Small penis -Enlarged breast tissue -Weak bones -Low energy levels -Tendency to be shy/sensitive -Difficulty expressing thoughts/feelings -Problems developmentally -Longer legs/shorter torso/broader hips -Absent/delayed/incomplete puberty -Less muscular -Less body/facial hair <p><i>Men:</i></p> <ul style="list-style-type: none"> -Low/no sperm count -Small testicles/penis -Low sex drive -Taller than average height -Weak bones -Decreased facial/body hair -Less muscular -Enlarged breast tissue 	<ul style="list-style-type: none"> -Testosterone replacement therapy started at the onset of puberty can help to stimulate the changes that normally occur (won't improve fertility) -For boys with cognitive delays, speech therapy, physical therapy, and educational support -Monitor development and keep all follow-up appointments -Encourage your son to participate in sports, physical activities, social opportunities, and group events -For men, it's vital to continue the relationship with doctor to prevent any complications -When it comes to family planning, talk to your doctor about what your options are -For men with enlarged breasts, there are different medications or surgical options -Psychological counseling/join a support group -Learn as much as possible about the condition 	<ul style="list-style-type: none"> -Nothing to prevent from occurring -Key is to reduce long-term impacts by getting treatment as early as possible

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