

Turner syndrome and nutropin

Lauren Lafond

Dr. Henry Turner first described Turner syndrome (TS) in the 1930s. It occurs only in females, affecting one of every 2,000 female newborns. And it is caused by loss of part or all of one X chromosome in some or all cells of the body. Turner syndrome is rare; however, it is the most common condition affecting the female sex chromosome. Turner syndrome patients may not show any signs at all; however, some patients do have certain outward and inward signs of the syndrome. The hallmarks of Turner syndrome are short stature and underdeveloped ovaries. People with this condition may also be predisposed to cardiovascular, kidney, and thyroid problems. Although there is no cure for TS, its symptoms may be minimized with the proper treatment.

Some internal symptoms of Turner syndrome are not reaching sexual maturity or menstruating, poorly developed ovaries, joint and bone problems. Other identities are thyroid problems, swelling of the hands and feet, kidney problems, heart problems, ear infections and a high, arched palate in the mouth. Some external signs of turner syndrome are lower hairline, short stature and brown spots.

Turner syndrome is a genetic syndrome so it must be diagnosed at the genetic level. Normally, girls have two X chromosomes in each cell, girls with TS have either a missing or an incomplete X chromosome. Turner syndrome is usually diagnosed by a special blood

test called a karyotype, which is used to look for damaged or missing chromosomes.

Turner syndrome has no cure but the symptom of short stature can be treated with a growth hormone called Nutropin. It is approved for the long-term treatment. The nutropin AQ pen 10 is a growth hormone therapy device that offers simplicity, convenience, and enhanced safety features for Nutropin delivery. It has a convenient device design which allows for easy transport and dosage adjustment. Some safety features are refilled cartridge, needle shield-lock, digital dose display and clicks that can be heard and felt.

The nutropin AQ pen 10 is available in U.S. by prescription only. The average cost is around two hundred dollars for a prescription and most insurances cover the cost, but if insurance does not cover or a person is not insured they can call Nutropin Access Solutions. Their experts will make sure that a person receives the coverage or reimbursement need for their growth hormones.

Sources:

http://www.nutropin.com/patient/1_4_reimbursement_information.jsp

<http://www.turnersyndrome.org/index.php?>

[option=com_content&task=view&id=40&Itemid=57](http://www.turnersyndrome.org/index.php?option=com_content&task=view&id=40&Itemid=57)

http://kidshealth.org/teen/diseases_conditions/genetic/turner.html

http://www.nutropin.com/patient/1_7_aq_pen.jsp