

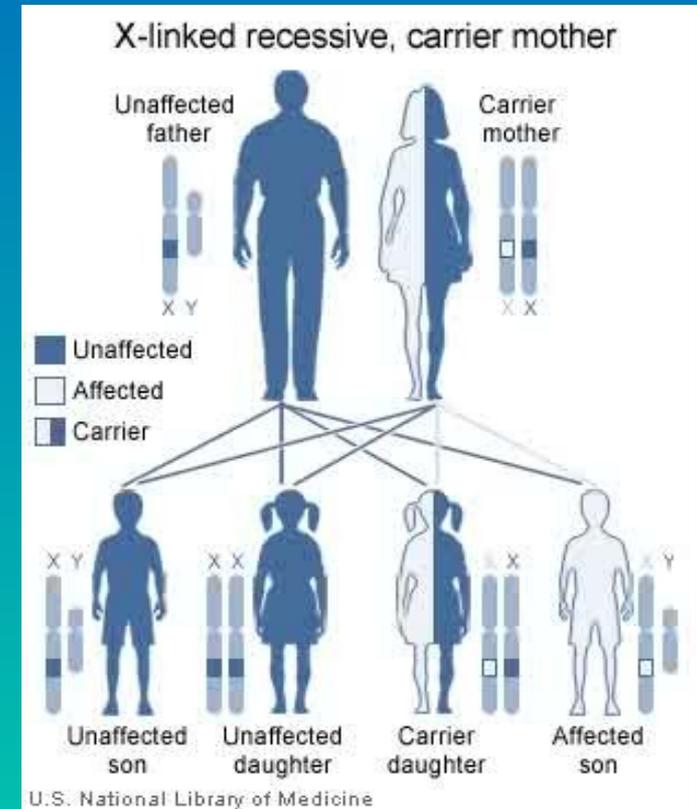
# CHARCOT-MARIE-TOOTH DISEASE



By: Lindsay Arden

# CHARCOT-MARIE-TOOTH DISEASE

- ✘ This is a disease where you have weakness in your feet and lower leg muscles
- ✘ This disease is one of most common inherited neurological disorders
- ✘ This disease compromises a group of disorders that affect peripheral nerves
- ✘ It affects approximately 1 in 2,500 people in the US



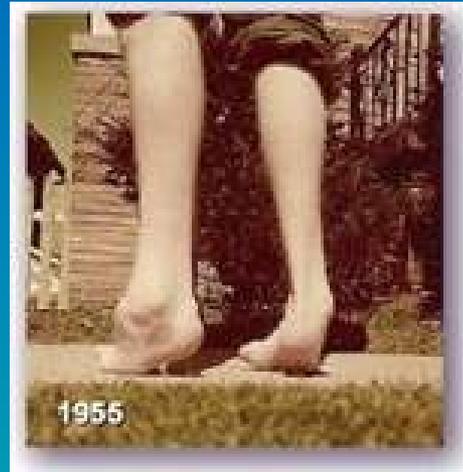
# SYMPTOMS



- × Weakness in feet and lower leg muscles
- × May result in foot deformities and frequently tripping and falling
- × Your lower leg may take on an “inverted champagne bottle” from loss of muscle bulk
- × Occurs in adolescent or early adulthood
- × Progression of disease is gradual

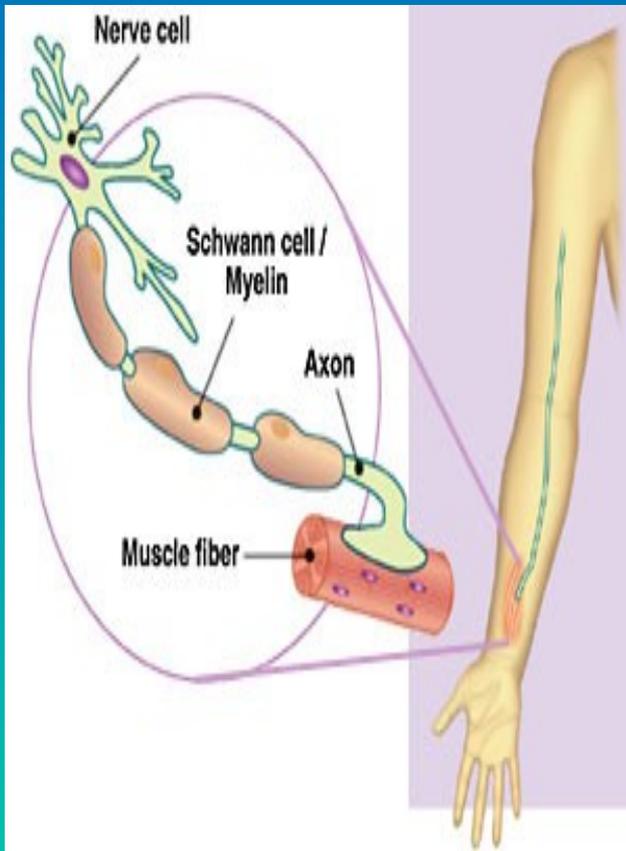


# DIFFERENT TYPES



- × CMT 1-an autosomal dominant disease from duplication of gene on chromosome 17 that carries info for producing the peripheral myelin protein 22
- × CMT 2-comes from abnormalities in the axon of the peripheral nerve cell rather than the myelin sheath
- × CMT 3-severe demyelinating neuropathy that begins when you are a baby
- × CMT 4-has several different subtypes of autosomal recessive demyelinating motor and sensory neuropathies
- × CMT X-X-linked dominant disease and caused by point mutation in the connexin-32 gene on X chromosome

# WHAT CAUSES THE DISEASE?



- ✘ CMT is caused by mutations in genes that produce proteins involved in the structure and function of peripheral nerve axon or the myelin sheath.

# HOW DO THEY DIAGNOSE CMT?

- × First you go over patient history
- × Family history
- × Neurological exam
- × Get asked symptoms
- × If CMT suspected
- × Then you will get electro diagnostic tests
- × Then it will tell you if you have it and then you may get extra tests to find out which kind you have



# HOW IS CMT TREATED?



- ✗ There is no cure for CMT
- ✗ But you can have physical and occupational therapy
- ✗ You can even have braces and other devices
- ✗ Even orthopedic surgery may help
- ✗ Stretching may prevent some pain

# WORKS CITED

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- ✘ [www.goldbamboo.com/topic-t2706-a1-6Charcot-Ma...](http://www.goldbamboo.com/topic-t2706-a1-6Charcot-Ma...)
- ✘ [www.radio.cz/en/article/54010](http://www.radio.cz/en/article/54010)
- ✘ [www.mdns.w.org.au/old/FactsSheetsCMT.htm](http://www.mdns.w.org.au/old/FactsSheetsCMT.htm)
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- ✘ <http://www.cmtfoundation.org/Research/CT-2Agene.html>
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