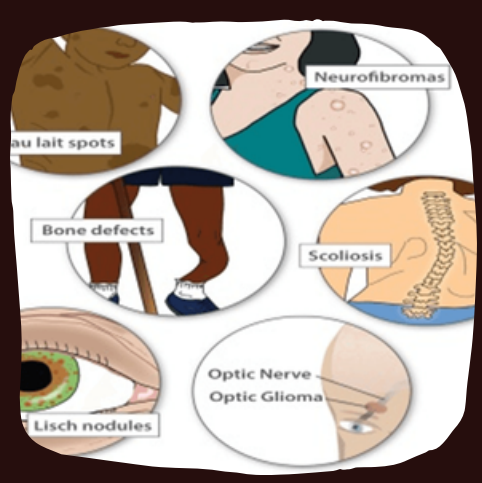
The Vagus Project
Neuroscience Foundation

NEUROFIBROMATOSIS TYPE 1

Neurofibromatosis Type 1 is a genetic disorder that commonly results in birth marks called café au lait macules and abnormal bone growth. Sometimes, it can cause the slow growth of benign tumors, called Neurofibromas, on the nerves of the body.

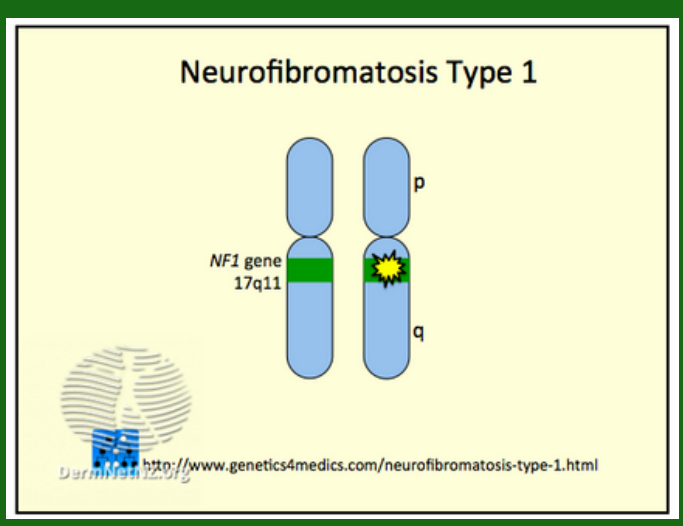
SYMPTOMS

- Café au Lait spots
- Freckling on the Arm
- Neurofibromas
- Lisch Nodules
- Larger Head Size
- Short Stature
- Bone Deformities



CAUSES

Neurofibromatosis Type 1 is caused by mutations to the NF1 gene located on Chromosome 17. Half the time, the faulty gene is passed from parent to the child.



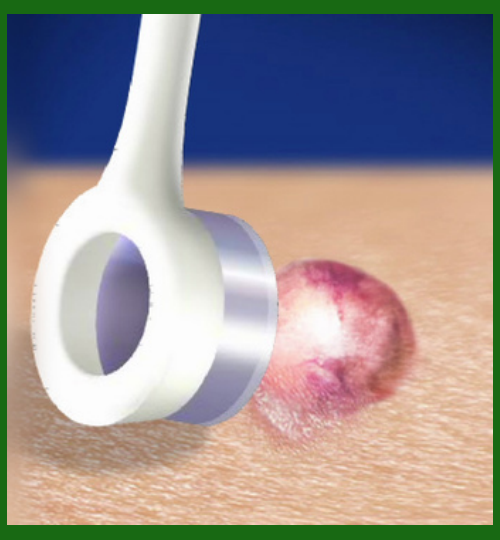
TYPES

Neurofibromatosis Type 1:

Tumors occur in the small nerves of the skin and the large nerves inside your body

Neurofibromatosis Type 2:

Tumors mainly affect the auditory nerves that connect the ears to the brain and control hearing.



TREATMENTS

Chemotherapy, radiation, surgery or a combination of those 3 may be used as treatment against the Neurofibromas. Treatments involving surgical excision (surgical removal) and electrodessication (using electricity to dry skin tissues) are also used to treat skin Neurofibromas.

Sources:

https://www.hopkinsmedicine.org/health/conditions-and-diseases/neurofibromatosis/neurofibromatosis-type-1
https://www.neurosurgery.columbia.edu/patient-care/conditions/neurofibromatosis-type-1
https://www.chop.edu/conditions-diseases/neurofibromatosis-type-1

Researched by:
Samay Suratwala