

# Neurofibromatosis

Neurofibromatosis (NFT) is the most common of [Neurocutaneous disorders](#).

## Classification

There are as many as 6 distinct types, the two most common of which are:

[Neurofibromatosis type 1](#)

[Neurofibromatosis type 2](#)

## Associated conditions

1. Schwann-cell tumors on any nerve (but bilateral VSs are virtually nonexistent)
2. spinal and/or peripheral nerve neurofibromas
3. multiple skin neurofibromas
4. [aqueductal stenosis](#)
5. macrocephaly: secondary to aqueductal stenosis and hydrocephalus, increased cerebral white matter
6. intracranial tumors: hemispheric astrocytomas are the most common, solitary or multicentric meningiomas (usually in adults). Gliomas associated with NF1 are usually pilocytic astrocytomas. Brainstem astrocytomas include both contrast-enhancing pilocytic lesions and those that are non-enhancing and radiologically diffuse
7. unilateral defect in superior orbit → pulsatile exophthalmos
8. neurologic or cognitive impairment: 30–60% have mild learning disabilities
9. see [Spinal Deformity in Neurofibromatosis](#)
10. visceral manifestations from the involvement of autonomic nerves organ glia within the organ. Up to 10% of patients have abnormal gastrointestinal motility/neuronal intestinal dysplasia related to neuronal hyperplasia within submucosal plexus
11. ≈20% develop plexiform neurofibromas: tumors from multiple nerve fascicles that grow along the length of the nerve. Almost pathognomonic for NF1
12. syringomyelia
13. malignant tumors that have increased frequency in NFT: neuroblastoma, ganglioglioma, sarcoma, leukemia, Wilm's tumor, [breast cancer](#)
14. pheochromocytoma: is occasionally present

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