

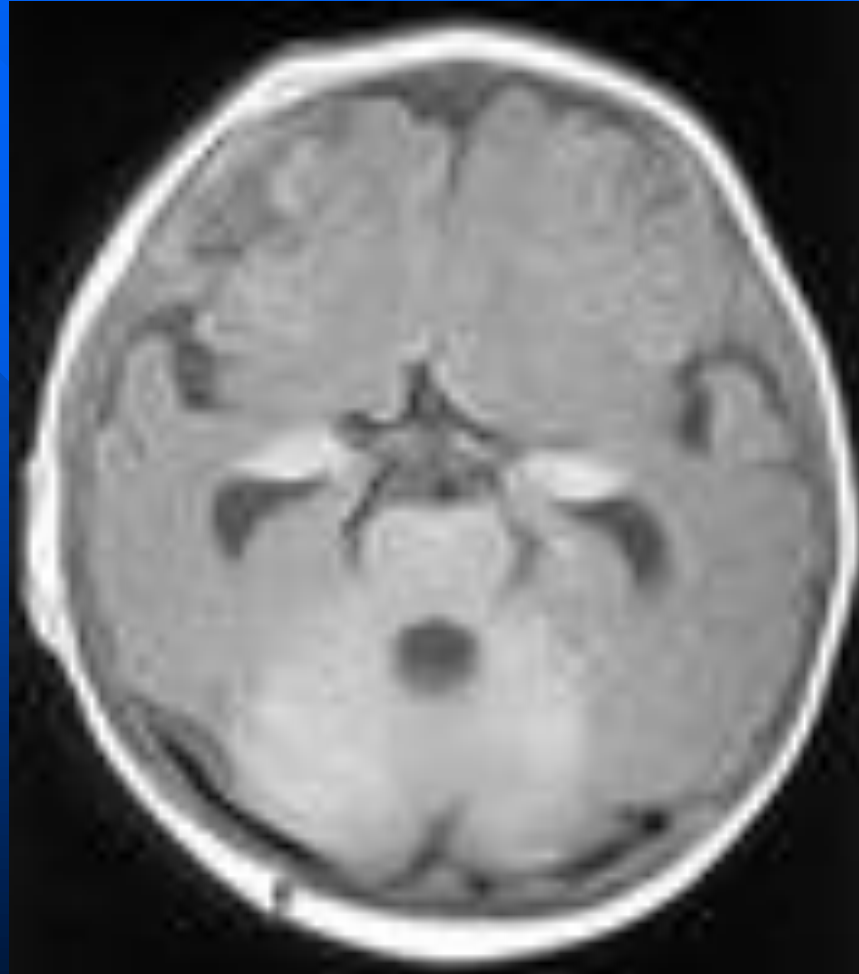
# Neurocutaneous Melanosis

- Complex neuroectodermal dysplasia
  - Leptomeningeal and brain tissue proliferation of melanin-producing cells, primary malignant melanomas of the CNS and giant cutaneous naevi.
- Strong association: Cerebellar hypoplasia (10%)
- Normal MR does not exclude diagnosis NCM
- Sx NCM manifests by 2-3 years of age

# Imaging

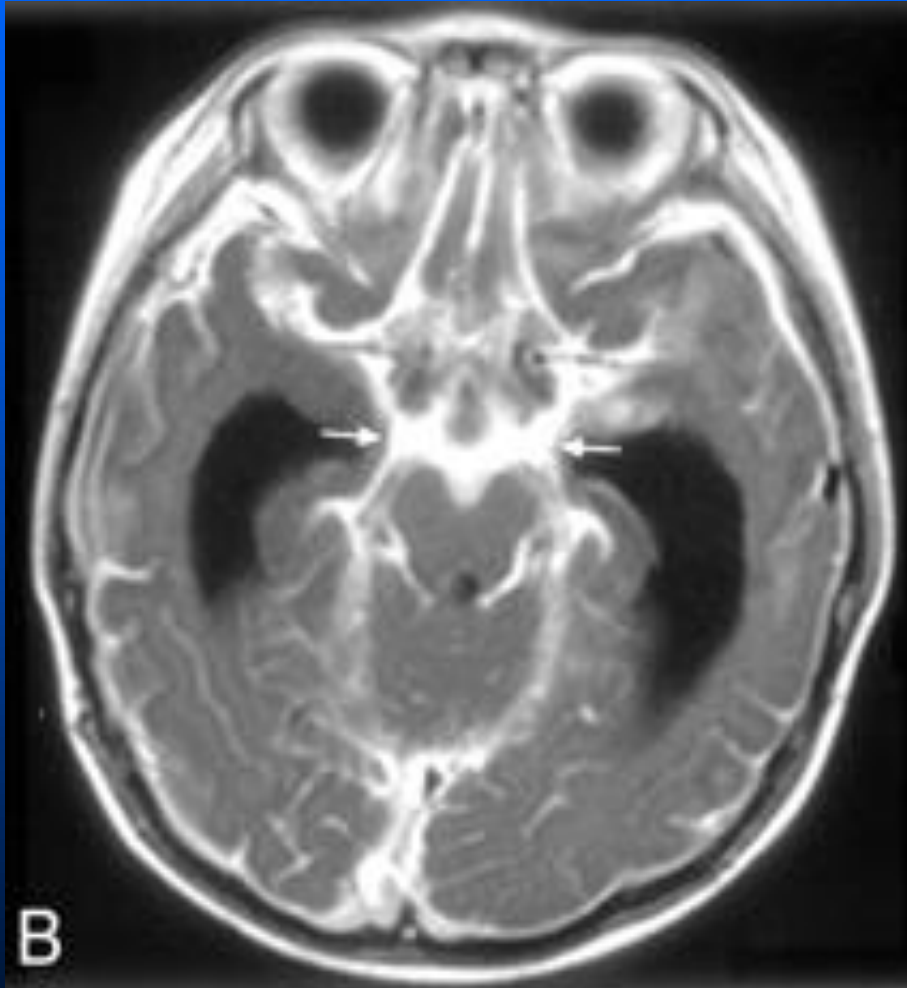
- Increased T1 signal in the amgdala and cerebellum, may enhance and bloom
- Diffuse leptomengial enhancement., increased signal on flair in sulci.
- May also see posterior fossa cyst and syrinx

# Neurocutaneous Melanosis



T1

# Neurocutaneous Melanosis (Post T1 )



In child when see leptomengial enhancement, you need to consider Primary PNET and Leukemia should be the 1<sup>st</sup> thing you think about



Graphic shows localized dark (melanotic) pigmentation of the leptomeninges. Inset demonstrates extension of melanosis into the brain substance along the Virchow-Robin spaces (black solid arrow).