- rare and aggressive tumor annual incidence is approximately 1 case per 10 million people
- tumor is thought to arise from melanocytes sparsely distributed over the leptomeninges but most numerous over the anterior and lateral spinal cord, the brainstem and the base of the brain

- Neurologic signs and symptoms at presentation may include seizures, psychiatric disturbances and signs of raised ICP, including headache, vomiting, papilledema, CN palsies and altered level of consciousness
- approx 25% of pts will have associated large or giant congenital pigmented nevus

MR Imaging

- •usually ↓SI on T1W & ↑SI on T2W
- however, free paramagnetic radicals from melanin and/or paramagnetic products from intratumoral hemorrhage can result in T1 shortening
- diffuse leptomeningeal enhancement usually seen with gadolinium

Pathology

- two distinct pathological subtypes:
 - tumor diffusely invades the pia mater and spreads into the subarachnoid space
 - nodular disease
- as in melanoma of the skin, many tumor cells may be amelanotic



















