

Ocular Melanoma

- Synonyms: Uveal melanoma, choroidal melanoma, ocular adnexal melanoma
- Malignancy arising from melanocytes
 - Most often in choroid
- **most common primary intraocular tumor in adults**

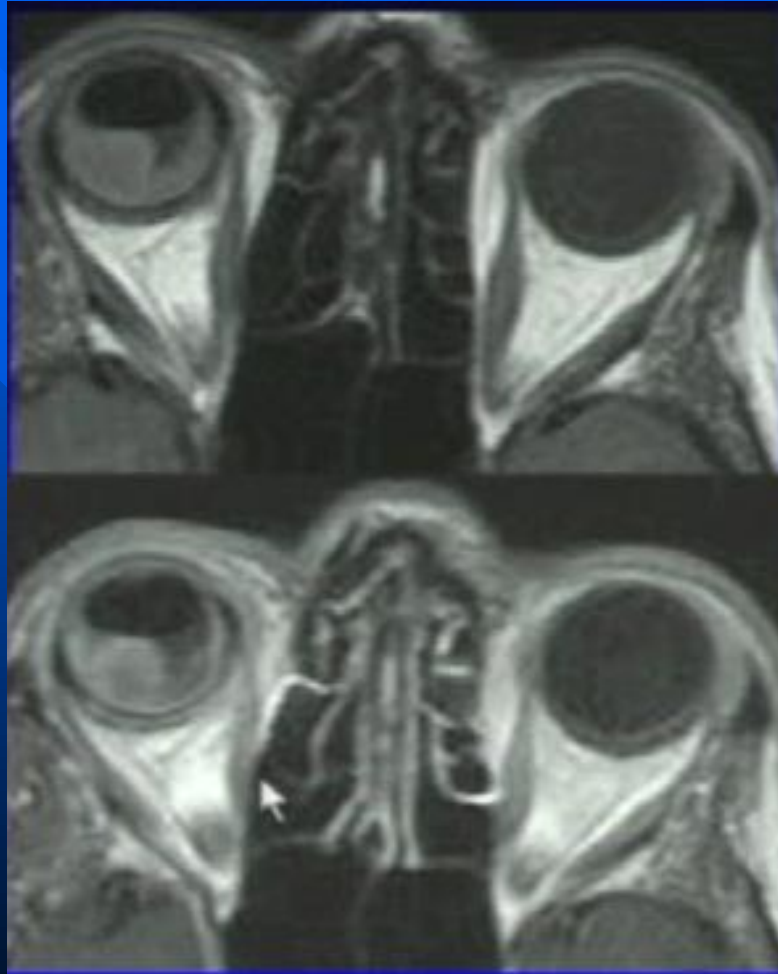
DDx:

- Choroidal metastasis
- Choroidal hemangioma
- Retinal detachment
- Choroidal osteoma

Imaging

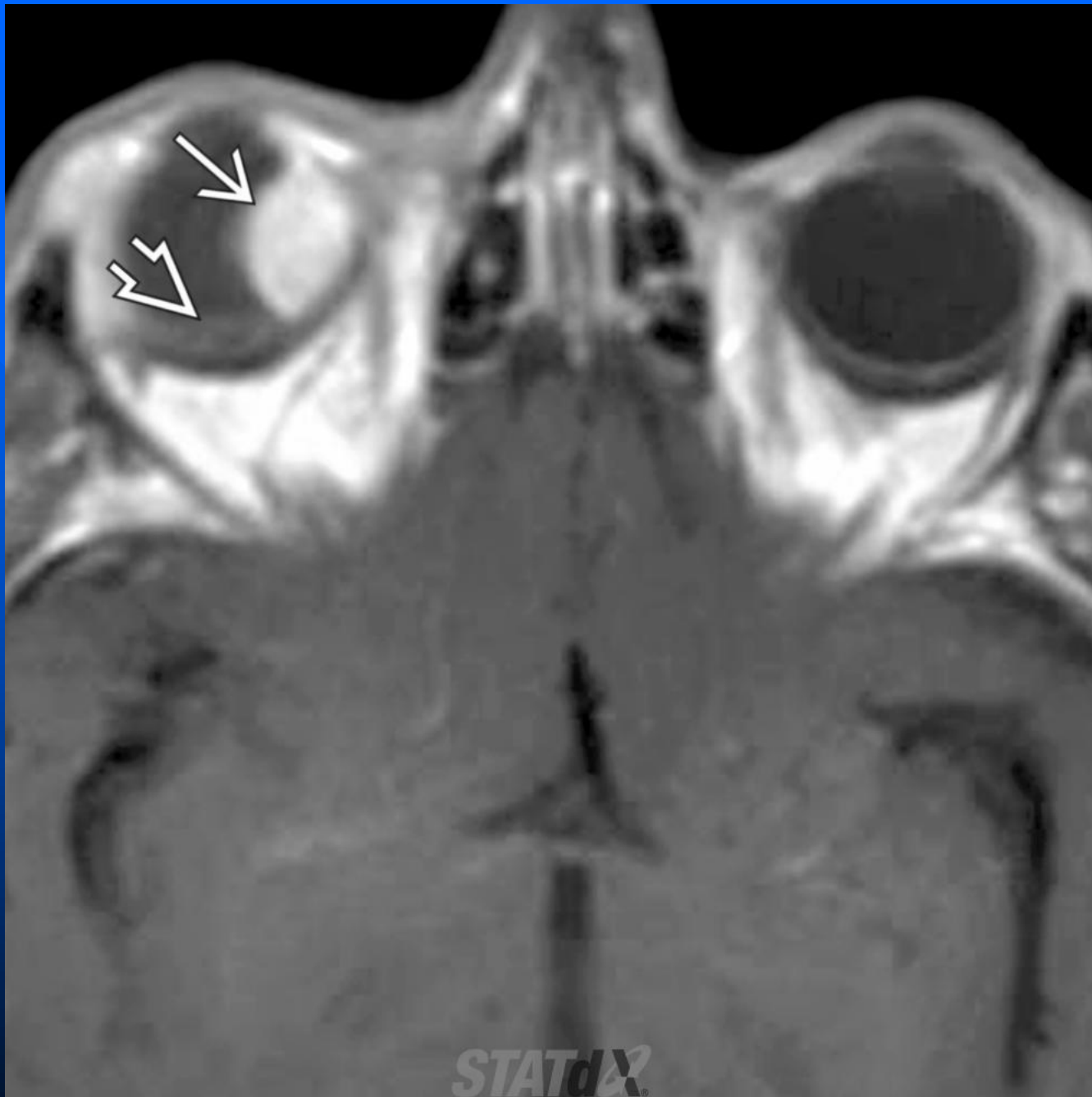
- Choroid > ciliary > iris
- Dome- or mushroom-shaped with broad choroidal base
- Often with associated retinal detachment
- **Ultrasound** is primary imaging modality for evaluation of intraocular disease
- **Enhanced MR** with fat suppression to assess extraocular disease
 - Mildly to strongly T1 hyperintense to vitreous
 - T2 hypointense
 - Moderate, diffuse tumor enhancement

Uveal Melanoma



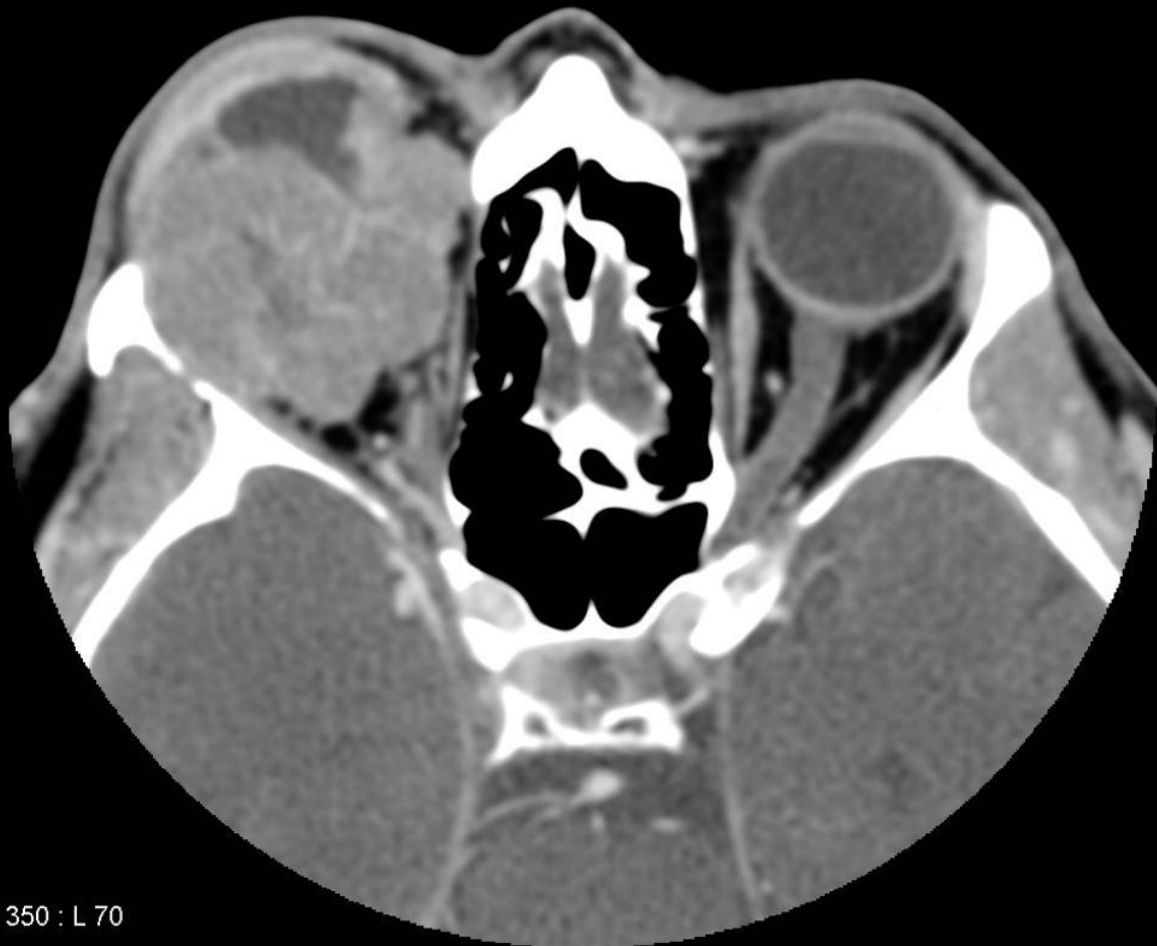


Axial CECT demonstrates a bilobed left choroidal lesion (white solid arrow), homogeneously hyperdense on this enhanced study. Distinction between tumor and retinal detachment is difficult.



Axial C+ T1WI MR shows intense enhancement of dome-shaped ocular melanoma (white solid arrow). Lenticular-shaped mild hyperintensity (white open arrow) lateral to the enhancing lesion is compatible with associated retinal detachment.

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W 350 : L 70