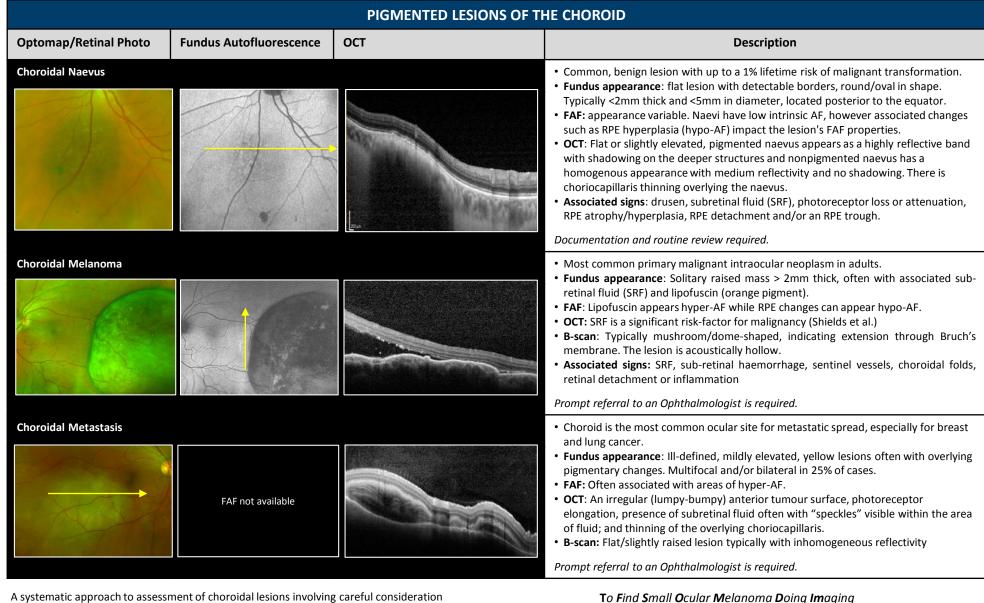


CHAIR-SIDE REFERENCE: PIGMENTED POSTERIOR LESIONS



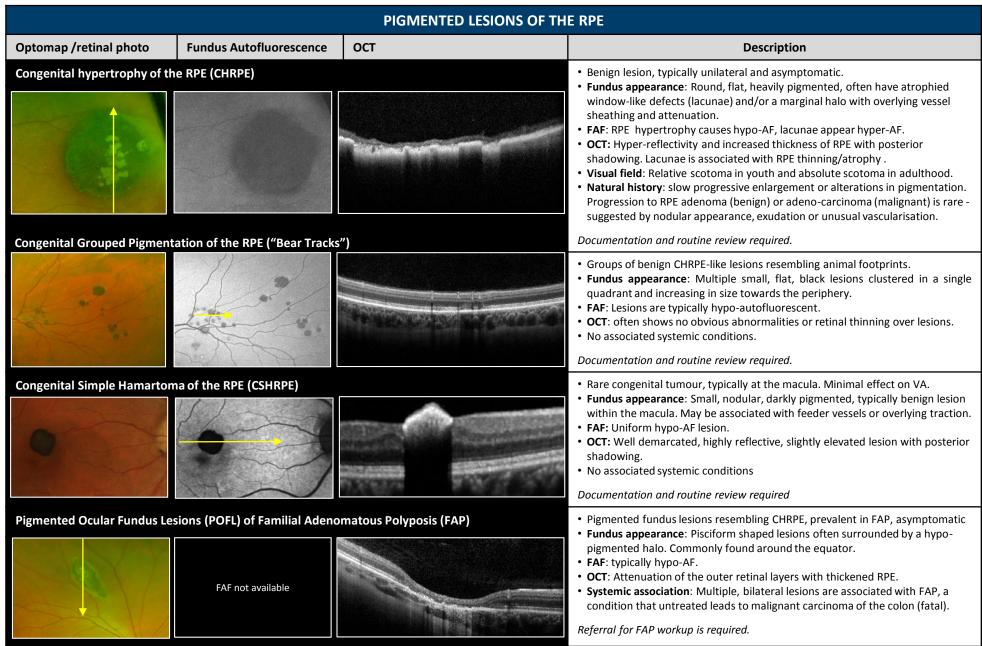
A systematic approach to assessment of choroidal lesions involving careful consideration of its imaging characteristics may be helpful when forming a diagnosis. A useful mnemonic was developed by Shields and associates to explore risk factors for choroidal naevus transformation into melanoma. https://pubmed.ncbi.nlm.nih.gov/30844944/

- Thickness>2mm
- Subretinal Fluid
- Symptoms

- · Melanoma hollow with ultrasound
- Orange pigment (lipofuscin)
- Diameter greater than 5mm



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Optomap/retinal photo **Fundus Autofluorescence** OCT Description Reactive RPE hyperplasia • Intraretinal pigmented spicules or localised subretinal mass developed secondary to intraocular inflammation, trauma, haemorrhage or retinal detachment. Fundus appearance: Irregularly shaped, minimally elevated, well demarcated areas of pigment clumping that show minimal change over time. • **FAF**: Lesions show hypo-AF. • OCT: Hyper-reflective thickening of the RPE. Documentation and routine review required. Management of the underlying cause PIGMENTED LESIONS OF THE RETINA AND CHOROID Chorioretinal scarring associated with toxoplasmosis • Inactive toxoplasmosis scars, often involve the macula • Fundus appearance: atrophic chorio-retinal scar surrounded by a pigmented border and well demarcated from the surrounding retina • FAF: Hypo-AF associated with areas of scarring (atrophy). • OCT: Loss of the RPE and outer retinal layers in areas of scarring. Hyperreflectivity of associated pigment on OCT. Documentation and routine review required Melanocytoma of the optic nerve · Neoplasm involving the optic nerve and adjacent choroid/retina **Fundus appearance:** Unilateral, small (<2mm diameter, <1mm thick) Choroidal component resembles a choroidal naevus. Retinal component is typically black with feathery margins. **FAF:** Pigmented areas show hypo-AF. OCT: Non-homogeneous internal structure with hyper-reflective dots and posterior shadowing. Complications: Include optic nerve head oedema, retinal oedema, retinal haemorrhages, retinal exudates and/or subretinal fluid. 1-2% of cases progress to malignancy. Documentation and routine review required



This reference is based on the current literature and evidence at the time of writing. This reference is designed a guide to aid diagnosis and management decisions however individual cases must be assessed in the context of all available clinical data.

For individual diagnosis or management advice, please make a CFEH telehealth appointment and one of our senior staff optometrists can assist. Consultations are at no charge, thanks to the generous support of Guide Dogs NSW/ACT.