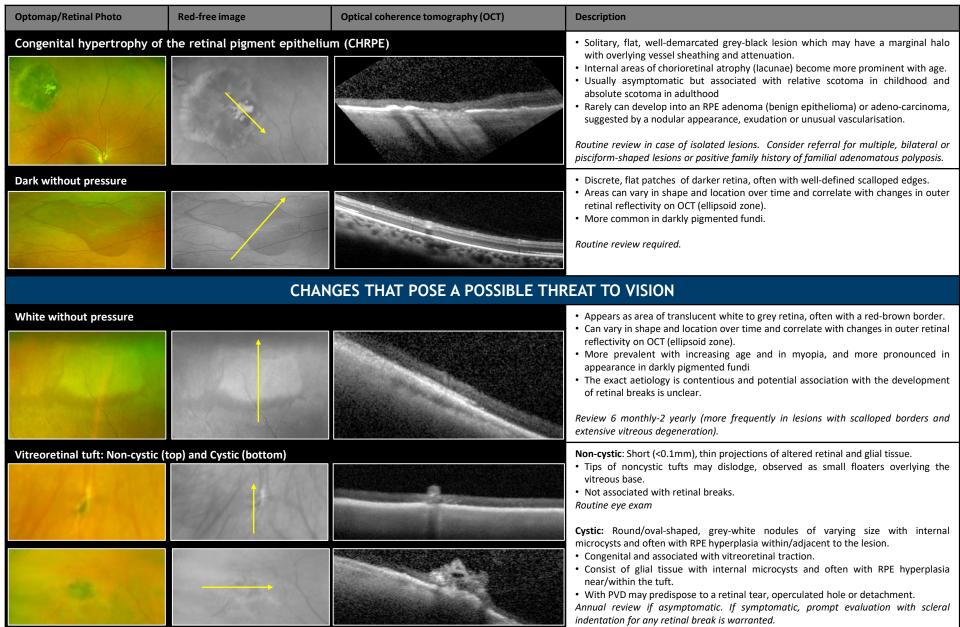


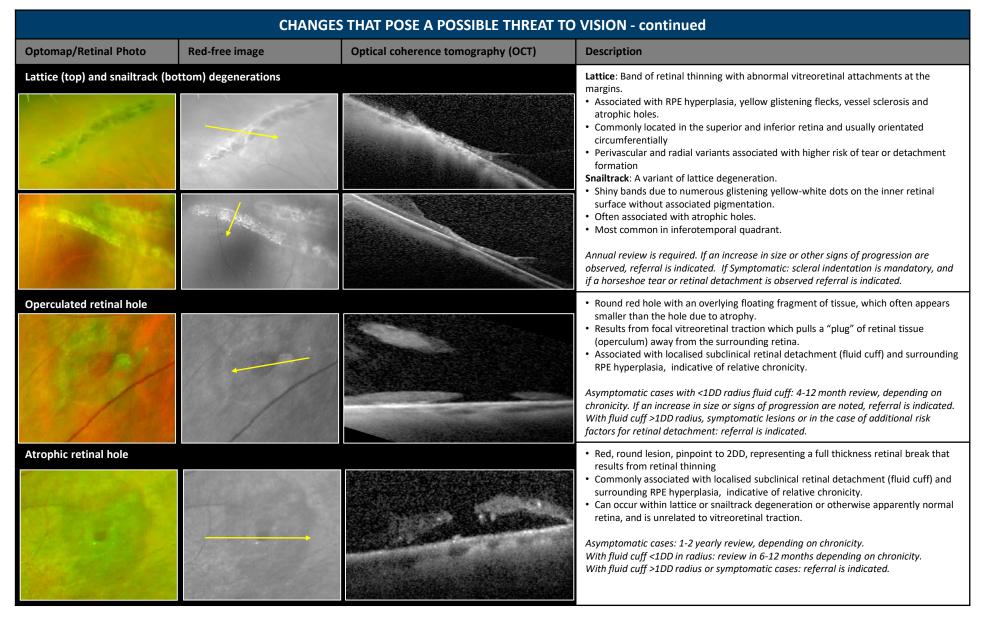
NON VISION-THREATING LESIONS OF THE PERIPHERAL RETINA Optomap/Retinal Photo Red-free image Description Optical coherence tomography (OCT) Peripheral (reticular) pigmentary degeneration (honeycomb chorioretinal degeneration) · Circumferential bands of granular pigment, which may appear similar to bone spicules, between the ora serrata and equator. • Usually bilateral and often accompanied by peripheral drusen. · Innocuous, however is more prevalent with increasing age. Routine review required. Peripheral drusen • Multiple small, focal, yellow lesions, often found near the equator. · May present with pigmented borders. • Usually bilateral and often accompanied by reticular pigmentary degeneration • More prevalent with increasing age, however association with AMD is contentious at this stage. Routine review required. Peripheral cystoid degeneration (microcystoid degeneration) Hazy grey area of thickened retina extending from the ora serrata. · Small red cysts within areas of cystoid degeneration may mimic the appearance of atrophic retinal holes. Coalescence of cysts with accompanying splitting of retina is thought to lead to development of retinoschisis. Routine review required. Chorioretinal atrophy (pavingstone/cobblestone degeneration) Circumscribed areas of retinal thinning from loss of RPE and photoreceptors, allowing increased visualisation of the choroidal vasculature. • Older lesions have surrounding pigment hyperplasia, and adjacent lesions may join to form larger areas of atrophy, OCT shows loss of the RPE and thinning of the outer retinal layers. • Often bilateral and more common in the inferotemporal quadrant. More prevalent with increasing age 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.











Eye Health			
Optomap/Retinal Photo	Red-free image	Optical coherence tomography (OCT)	Description
Flat / typical (top) and Dege	nerative / bullous / reticular (bottom) retinoschisis	 Flat: Smoothly elevated, transparent retina, often with surface white dots. Usually bilateral and most common in the inferotemporal quadrant. Retinal splitting occurs at the level of the outer plexiform layer as a result of the coalescence of cysts in peripheral cystoid degeneration. Rarely associated with expansion, retinal holes or retinal detachment. Degenerative: Well-circumscribed, immobile, transparent dome-shaped elevation of the retina with a reticular pattern of sheathed retinal vessels. Often bilateral and most common in the inferotemporal quadrant. Retinal splitting occurs at the nerve fibre layer with an increased incidence of inner and outer layer holes and associated formation of retinal detachments. The presence of a pigmented demarcation line suggests a secondary detachment which has been stationary for >3 months. Annual review is required. If an increase in size or other signs of progression are observed, referral is indicated.
PERIPHERAL RETINAL CHANGES THAT POSE A DIRECT THREAT TO VISION			
Optomap/Retinal Photo	Red-free image	Optical coherence tomography (OCT)	Description
Retinal tear (linear, horsesh	oe or flat)		 Appears red surrounded by grey retinal tissue. When horseshoe-shaped, the apex usually points towards the posterior pole. Retinal break associated with vitreoretinal traction, where the vitreous remains adherent to the flap of torn retina. May occur along edges of lattice degeneration or associated with vitreoretinal tufts and often associated with acute PVD. Can progress to retinal detachment, typically within a few weeks. Prompt referral is indicated
Rhegmatogenous retinal det	tachment		 Fluid separation of neuro-sensory retina from the RPE through a break in the retina. Appears as a semi-transparent, undulating elevation, becoming opaque over time. Obscuration of underlying choroidal detail may be the only visible sign in early or shallow cases. A pigmented demarcation line, whitish folds and accumulation of intraretinal exudates indicates relative chronicity. Retinal detachments can also occur due to trauma, exudation or traction. Prompt referral is indicated.
RISK FACTORS ASSOCIATED WITH THE DEVELOPMENT OF RETINAL DETACHMENT), Myopia, Fellow eye with retinal detachment, Strong family history of retinal detachment, gression of retinal thinning in young patients, Presence of significant vitreoretinal traction y, Peripheral vitreous haemorrhage.

This chairside reference is intended to cover the more common peripheral retinal lesions but is not all-encompassing. In particular changes adjacent to the ora serrata such as meridional folds, zonular traction tufts, pars plana cysts and oral pearls are not included in this reference.