



Amber Priority



Image Library



Amber flag

- ▶ Diabetic Maculopathy (M1)
 - ▶ Pre-proliferative Diabetic Retinopathy (R2)
 - ▶ Old, treated and now inactive DR (R1/M0/P1 or R0/M0/P1)
 - ▶ Where only partial or incomplete images can be achieved
 - ▶ Other ocular conditions with retinal signs
 - ▶ **ALWAYS MAKE NOTES TO INFORM THE PROGRAMME WHY YOU HAVE FLAGGED AS AMBER**
-
- 

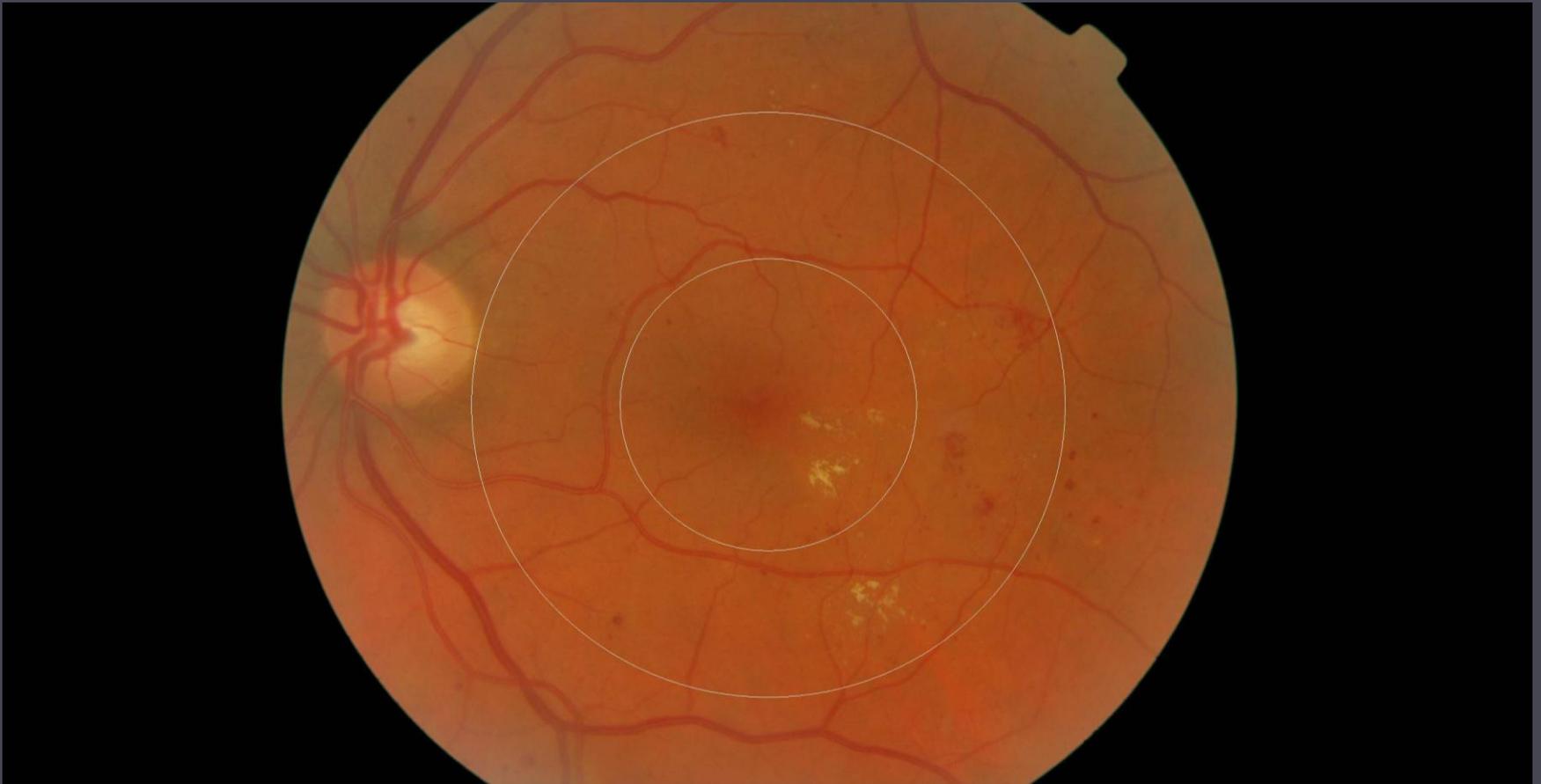
Diabetic Maculopathy (M1)

- ▶ Exudates within macula
- ▶ Flag as amber if any exudates at all on macular image
- ▶ If unsure whether they are drusen, still flag as amber
- ▶ Blood spot within 1 disc diameter (DD) of the fovea with a VA of +0.30 or worse
- ▶ Usually significant background diabetic retinopathy (BDR) as well



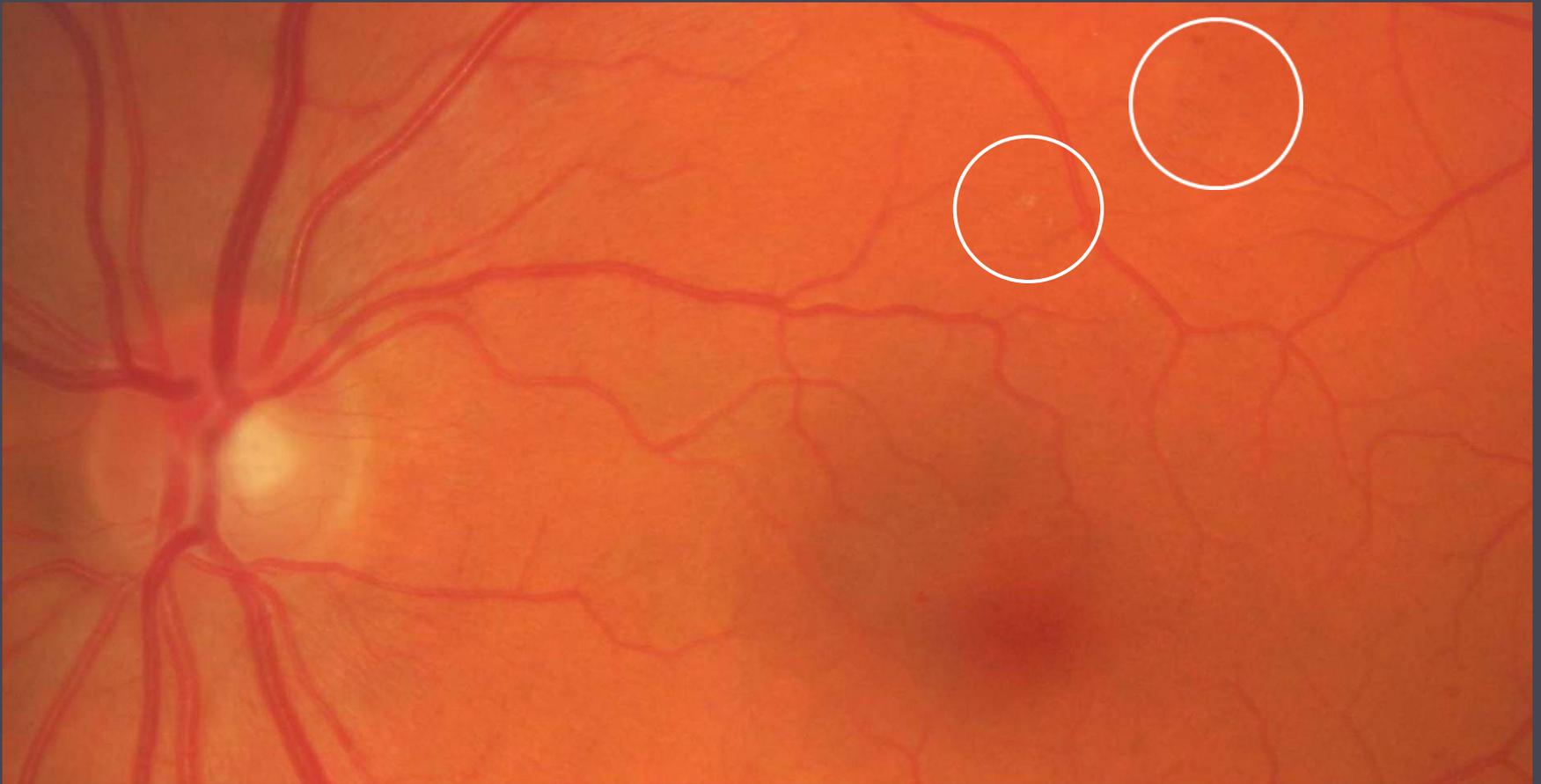
Exudates

Inner Circle: <IDD; Outer Circle: rough confines of the macula



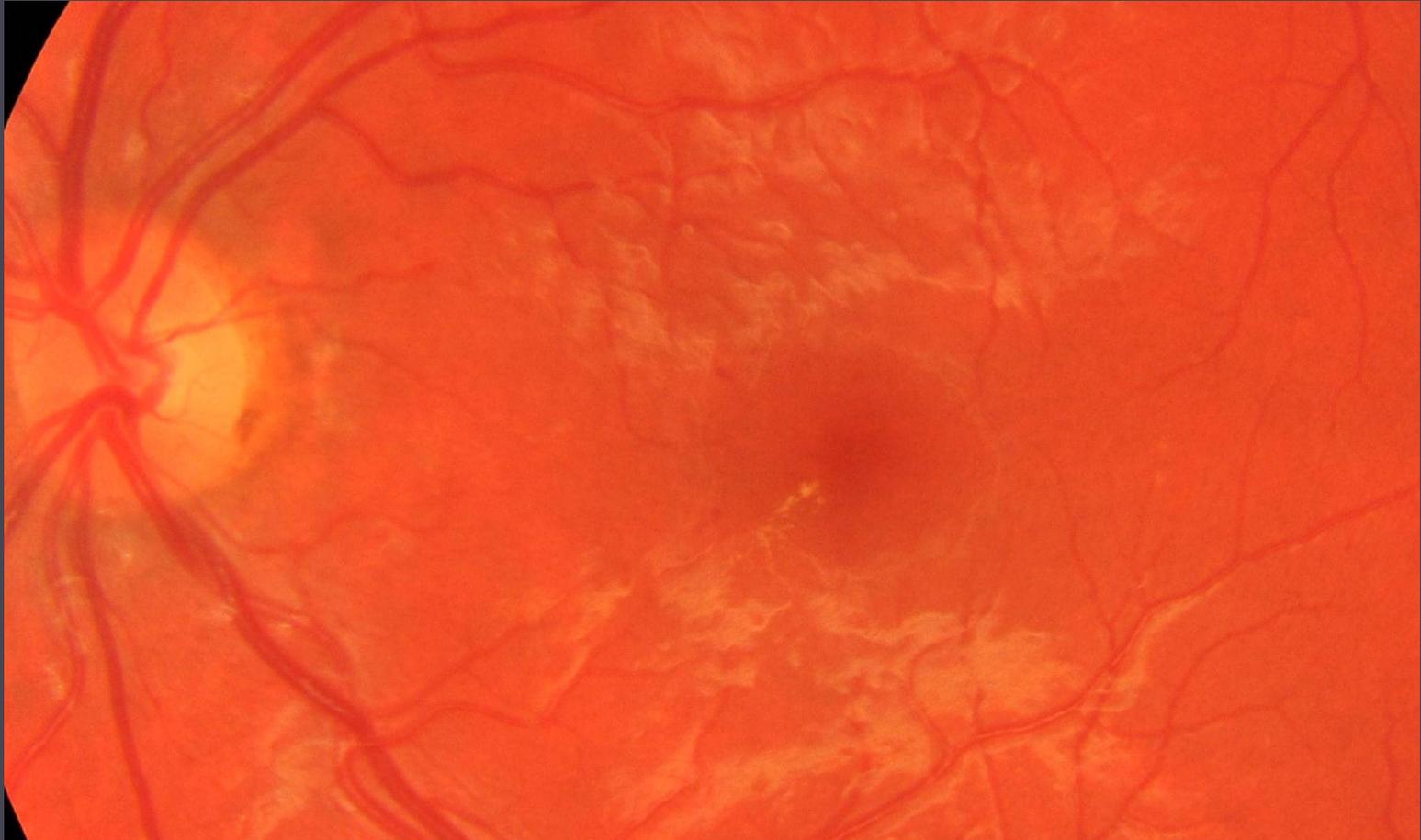
Subtle Exudates

Within 1 DD of fovea

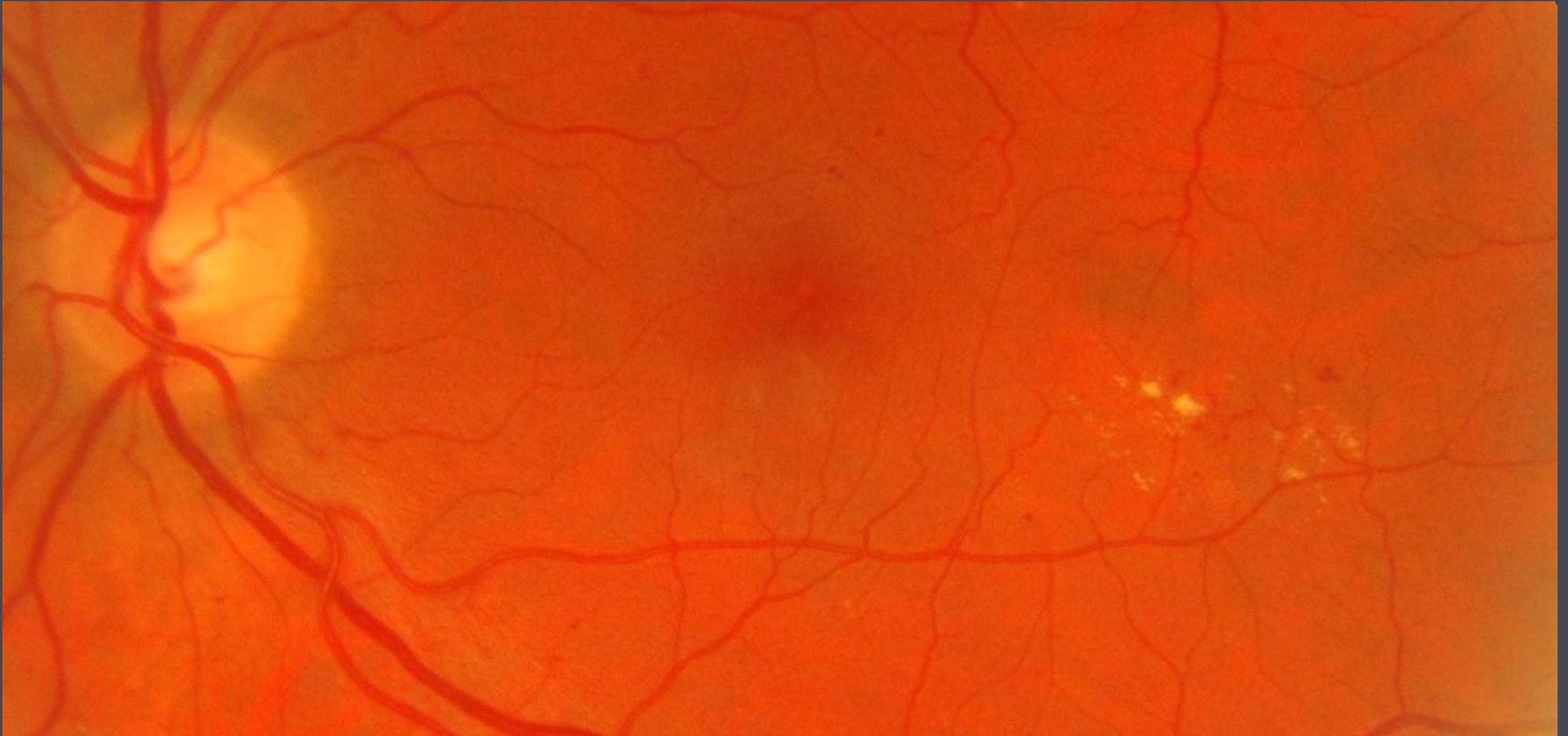


Para-foveal exudate

VA still good; Younger patient with prominent surface reflexes



Exudate patch



Exudates, trailing towards fovea



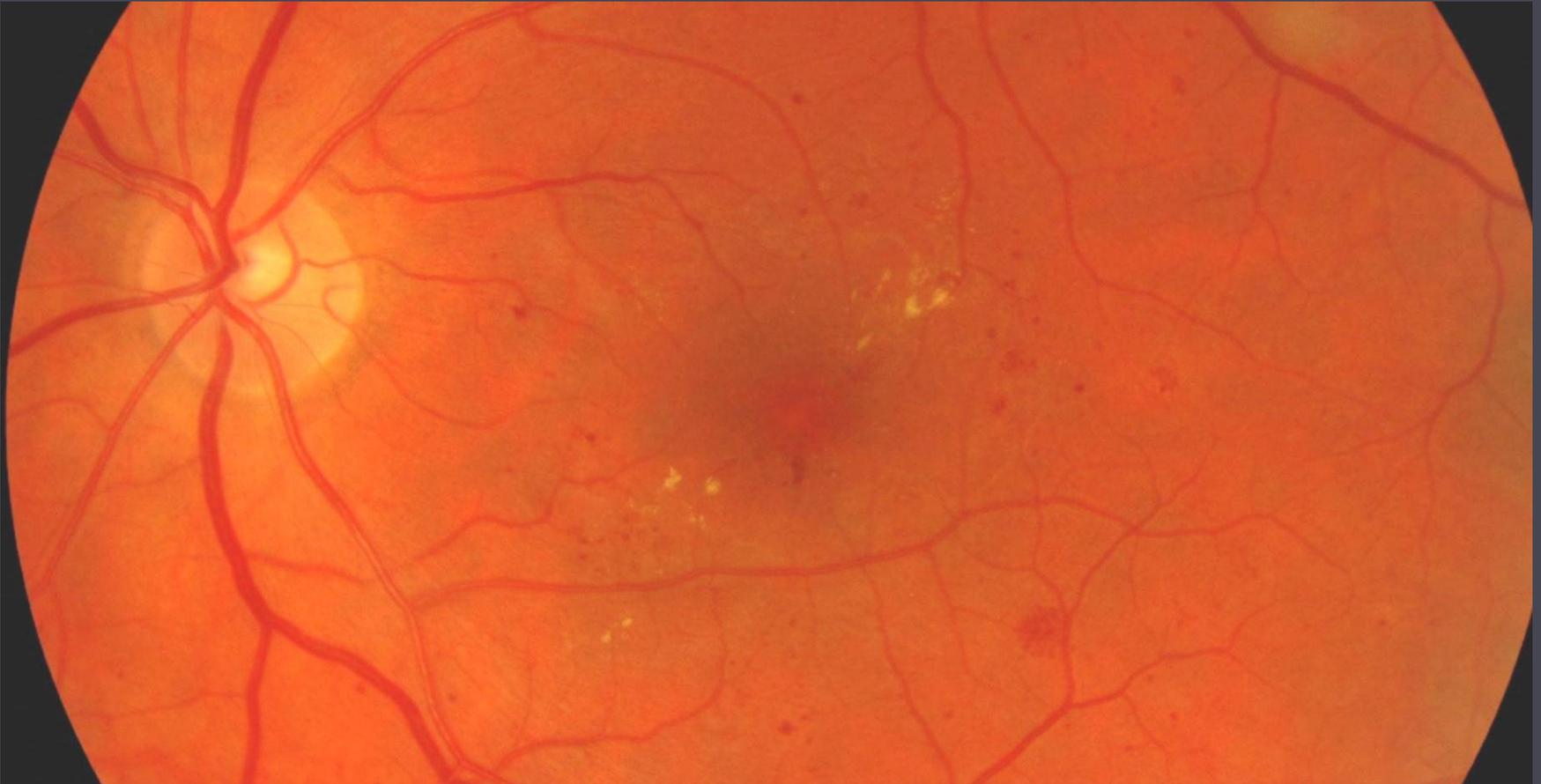
Exudates

Multiple exudate patches



Exudates

Fellow eye; Note larger blot haemorrhages as well

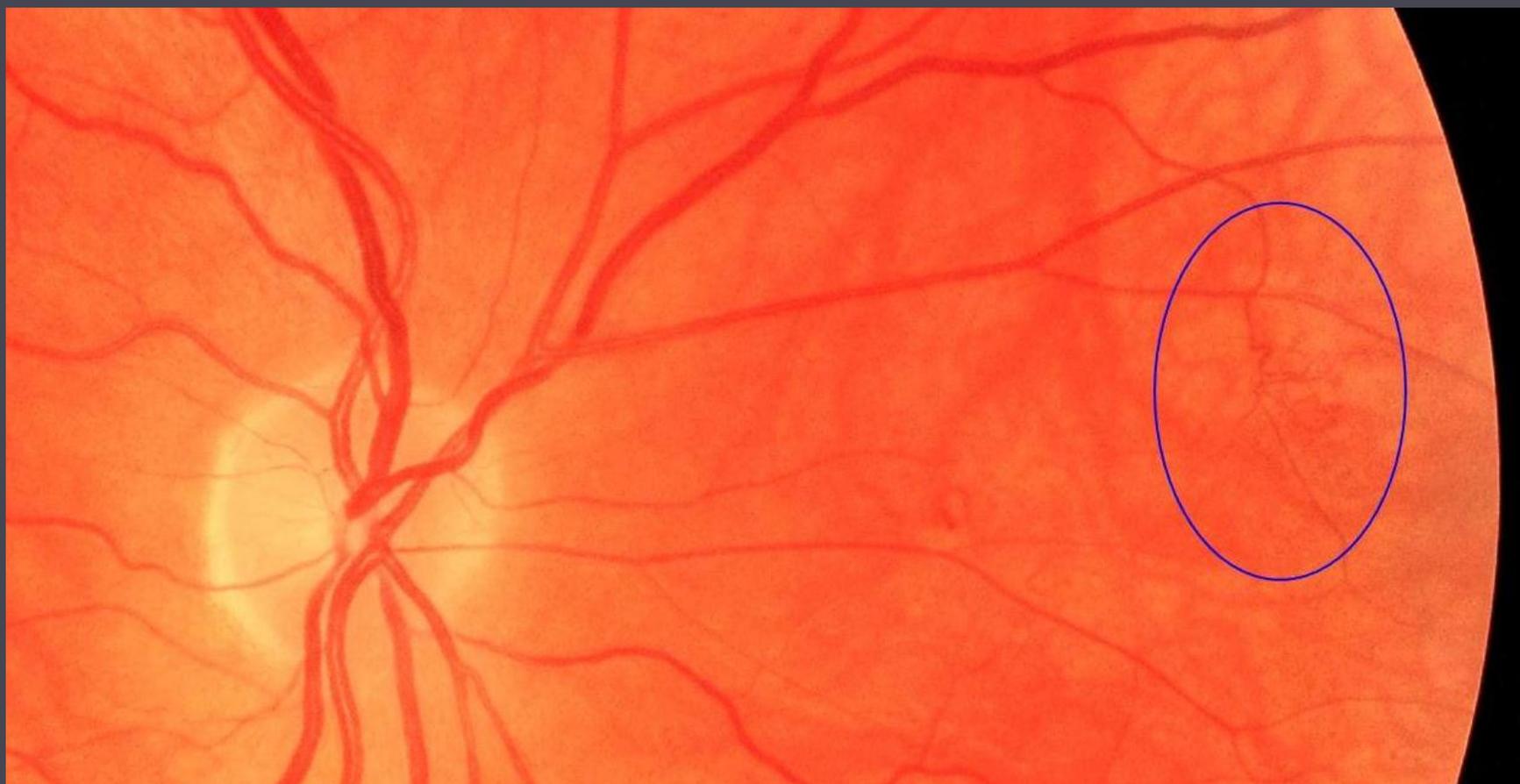


Pre-proliferative DR (R2)

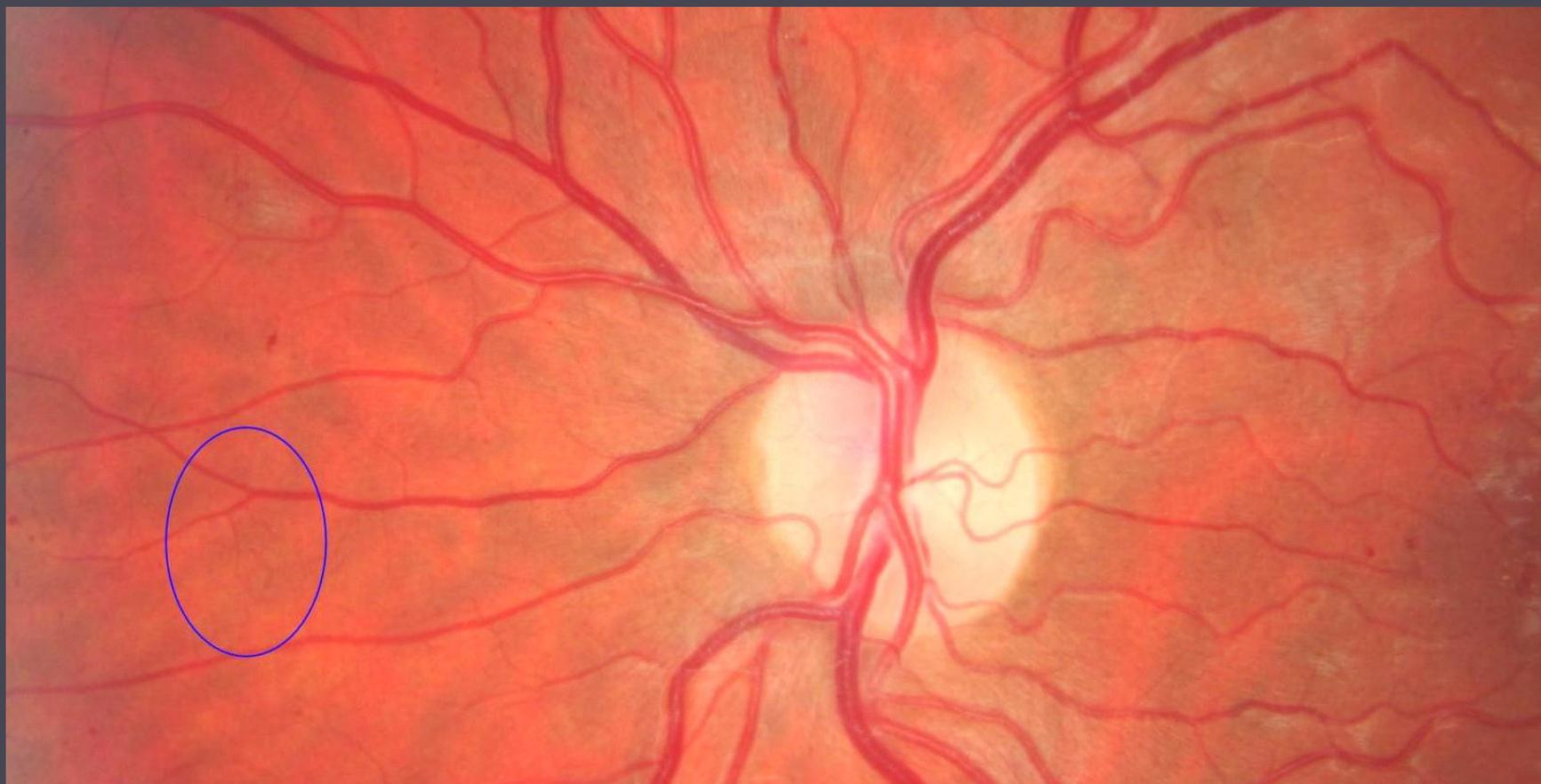
- ▶ **Multiple blot haemorrhages**
 - ▶ Flag as amber if there are more than 5 blood spots visible or more than one large haemorrhage
- ▶ **Vessel changes**
 - ▶ Flag as amber if there are any unusual vessels
 - ▶ Intra-retinal Micro vascular anomaly (IRMA)
 - ▶ Venous Beading
 - ▶ Venous reduplication
- ▶ **Cotton wool spots**
 - ▶ Flag as amber if there are any white, fluffy lesions



Nasal to disc; Classic position



Subtle, but note significant BDR and Cotton-wool spot nearby



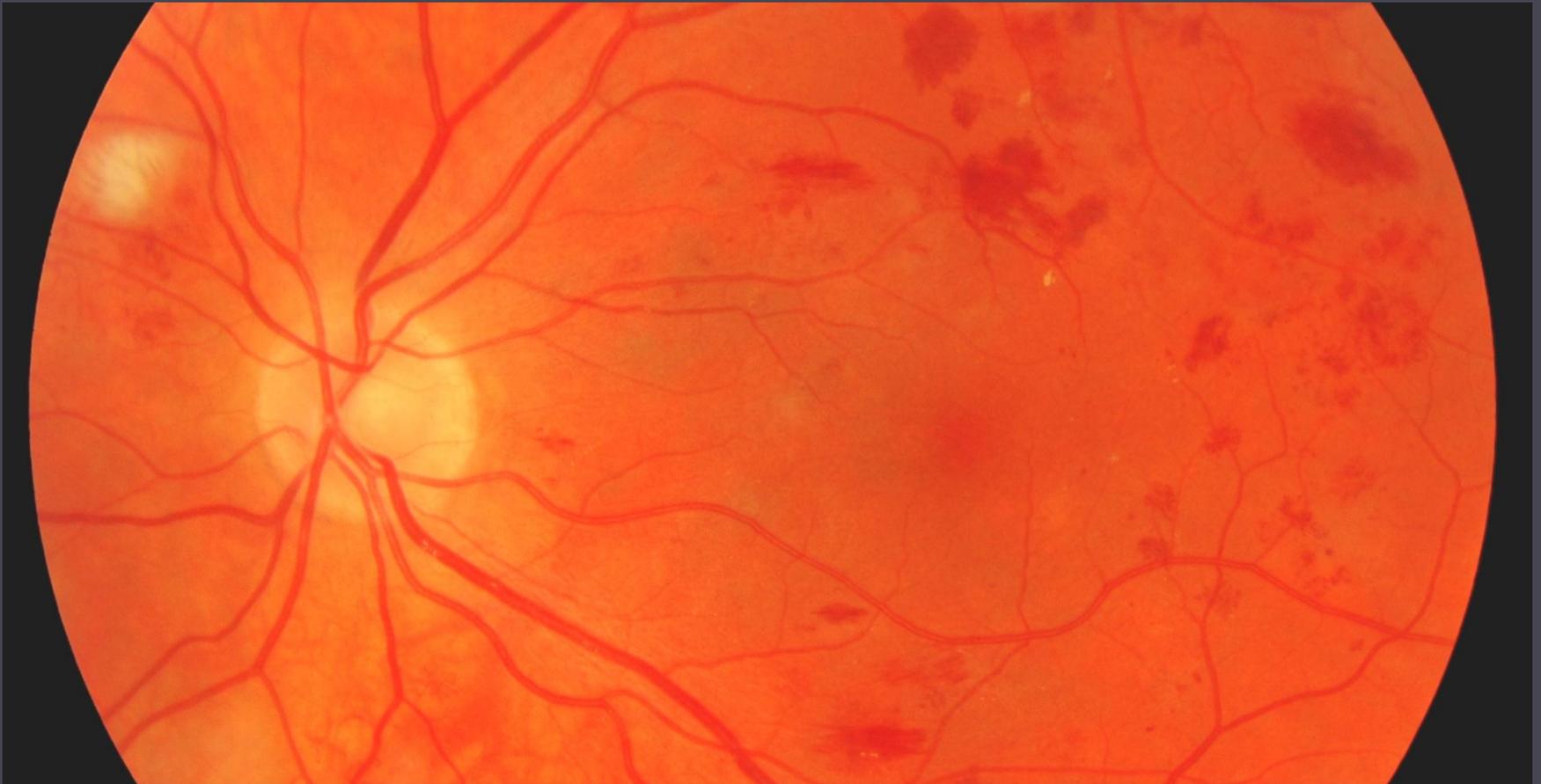
Larger and more numerous haemorrhages

Note some blots centrally; More significant DR



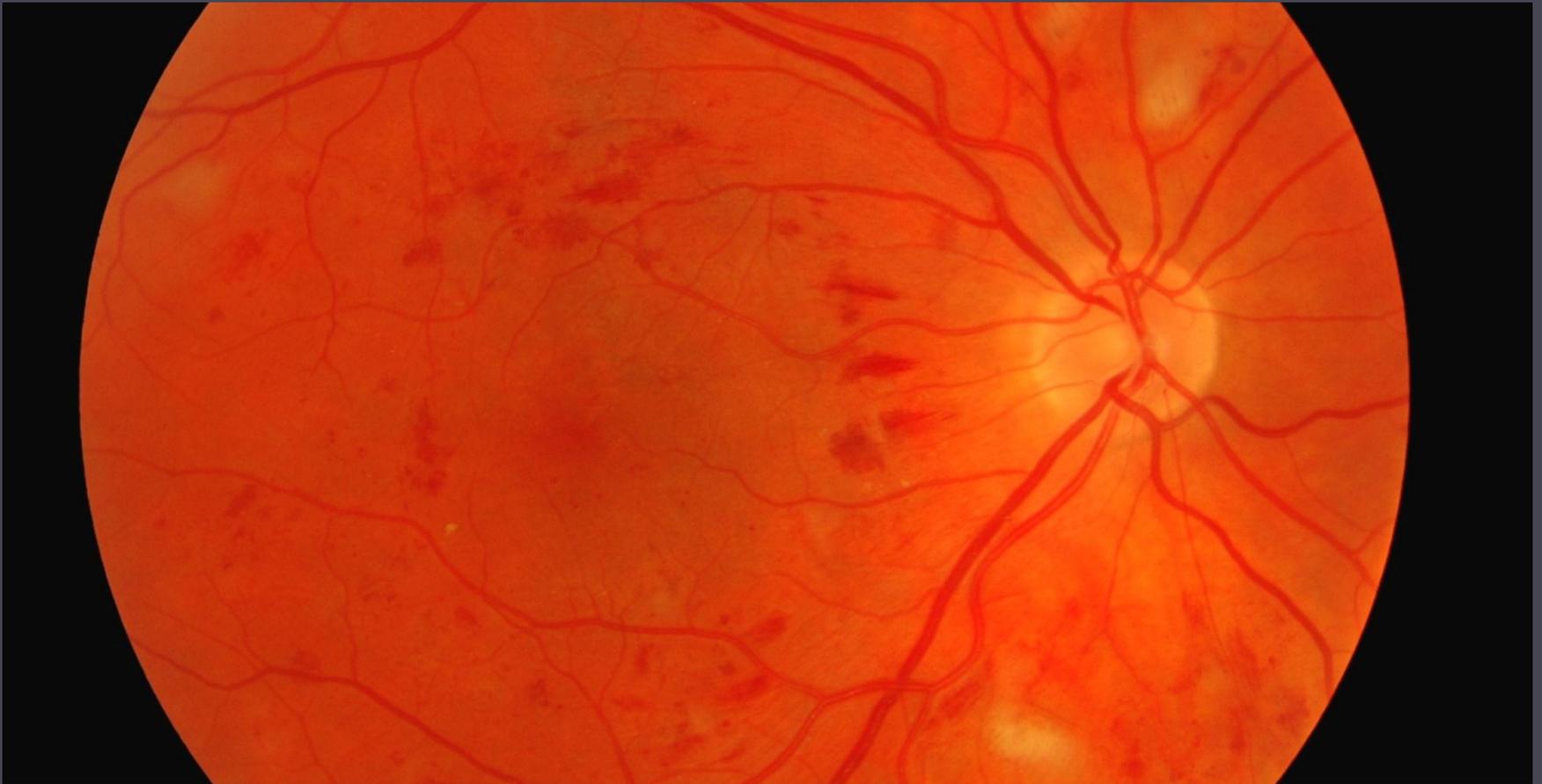
Multiple blots and CWS

Also, exudates



Multiple blots and cotton wool spots

Also exudate



Venous Beading

Note narrowing of vessel as well



Multiple nasal vessel changes

Several IRMA, beading, venous dilatation, narrowing and sheathing



Reduplication with early beading



Reduplication

In more detail



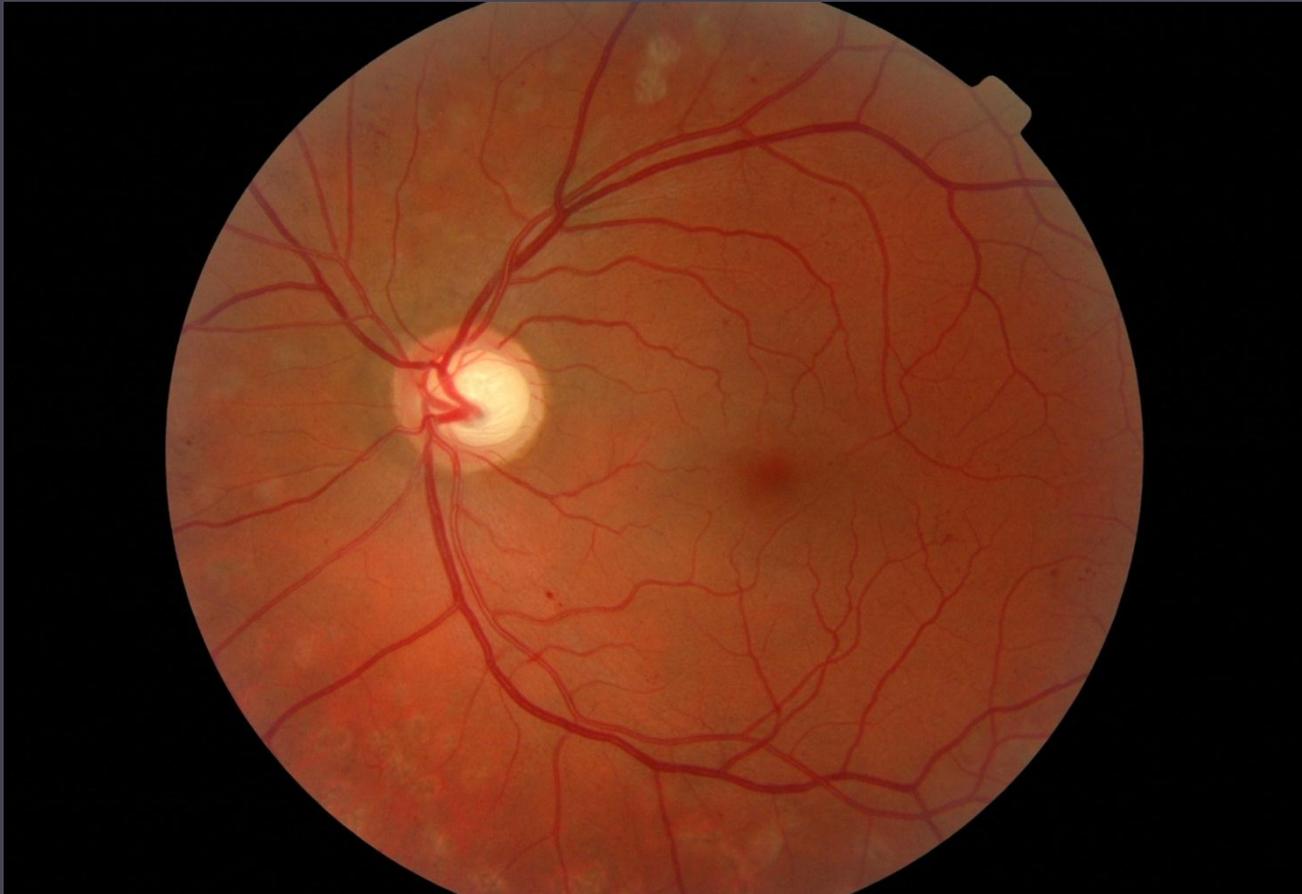
Old laser scars

- ▶ Always flag at least as amber if there are any signs of old laser scars on any images
- ▶ If there also appears to be New vessels or fibrosis:
 - ▶ Flag as Red
 - ▶ Follow the reporting protocol for red cases in Section 13 of the Screening Protocol



Mild laser photo-coagulation

Mild, but significant BDR



Peripheral scatter laser photo-coagulation

Mild BDR



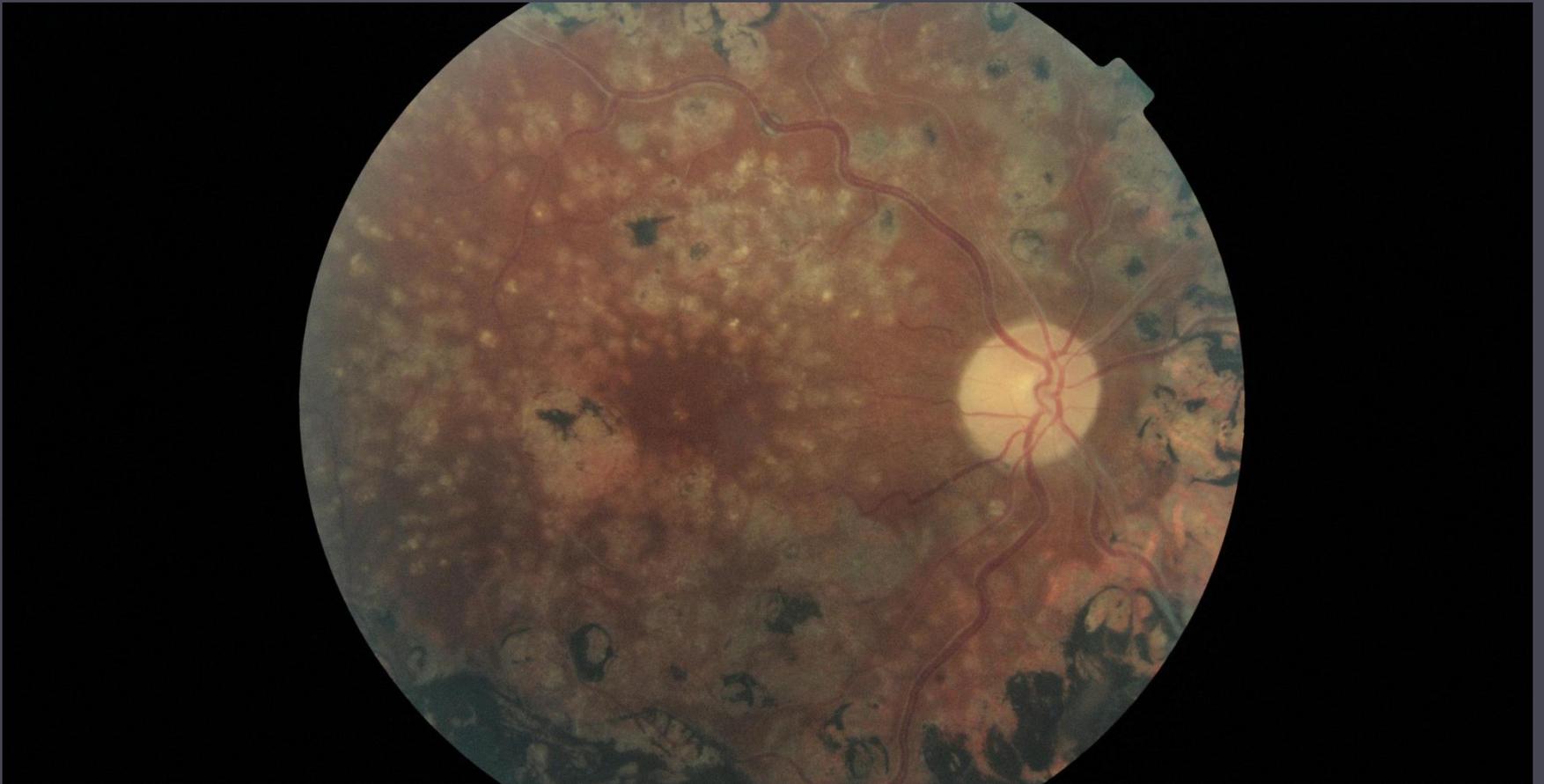
Signs of peripheral scatter Laser Photocoagulation

Very mild BDR otherwise; Still requires amber flag



Extensive laser scarring

No NVD/NVE or Fibrosis, so should only be set as amber



Other ocular conditions

- ▶ Flag as amber if there are any signs of known non-DR conditions on the images
- ▶ Flag as amber if there are any signs that could indicate non-DR conditions on the images



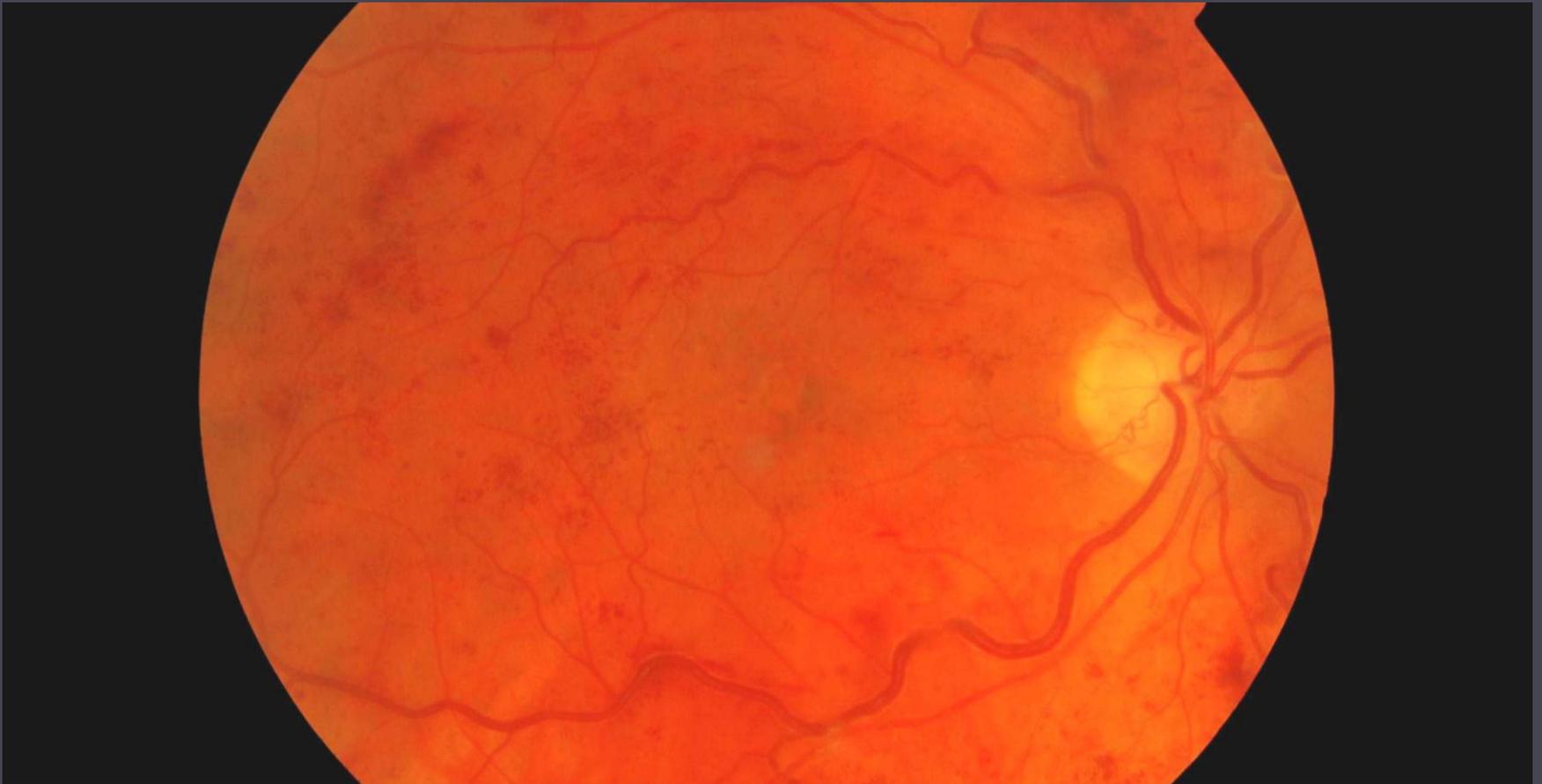
Other ocular conditions

- ▶ Vein Occlusions
 - ▶ Usually asymmetrical lesions
- ▶ Embolism
- ▶ Wet AMD
- ▶ Dry AMD
- ▶ Glaucoma
 - ▶ Disc splinter haemorrhage
 - ▶ Pale, cupped disc
- ▶ Optic Nerve disorders
- ▶ Choroiditis
- ▶ Vitreous disorders

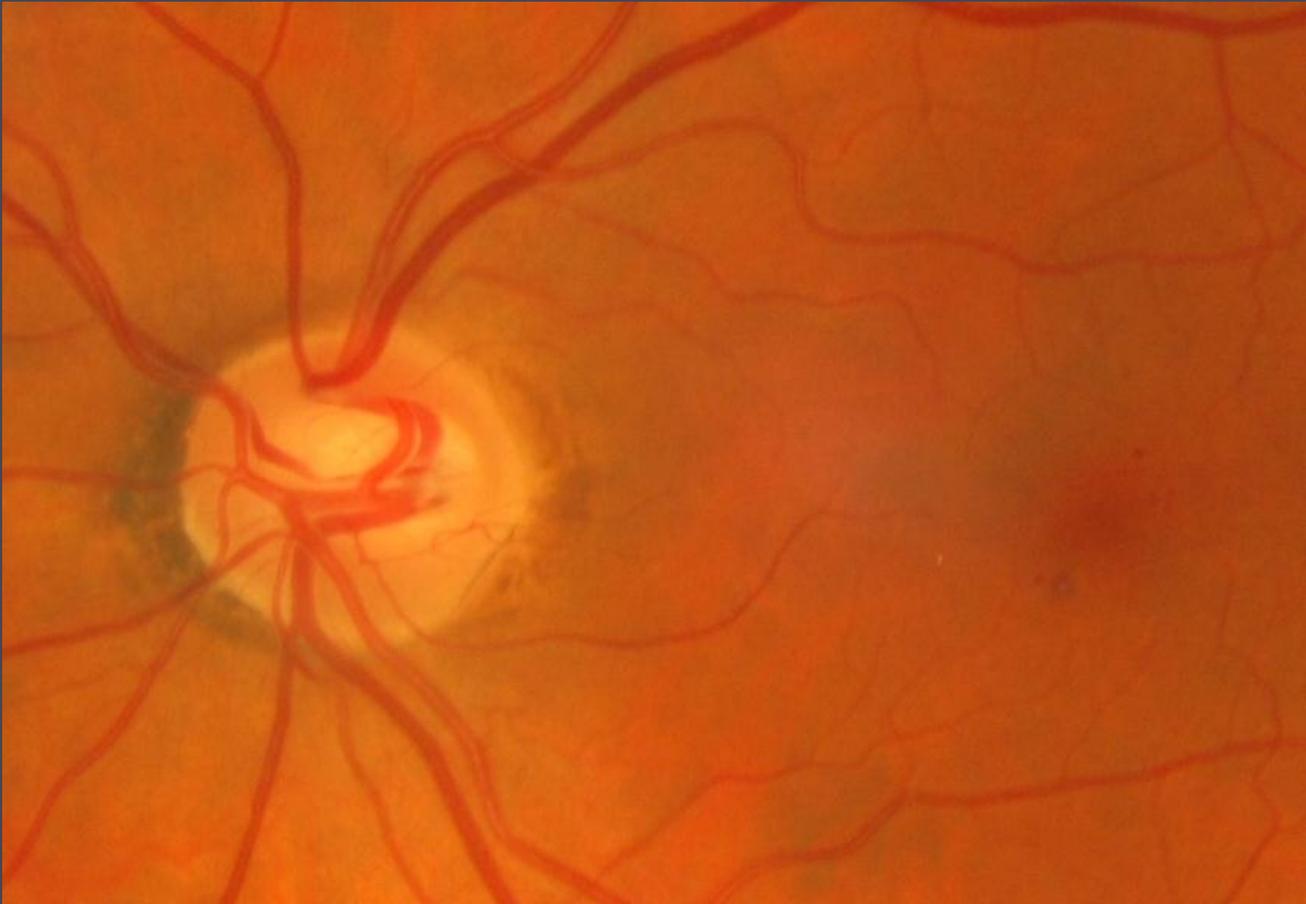


Central Retinal Vein Occlusion

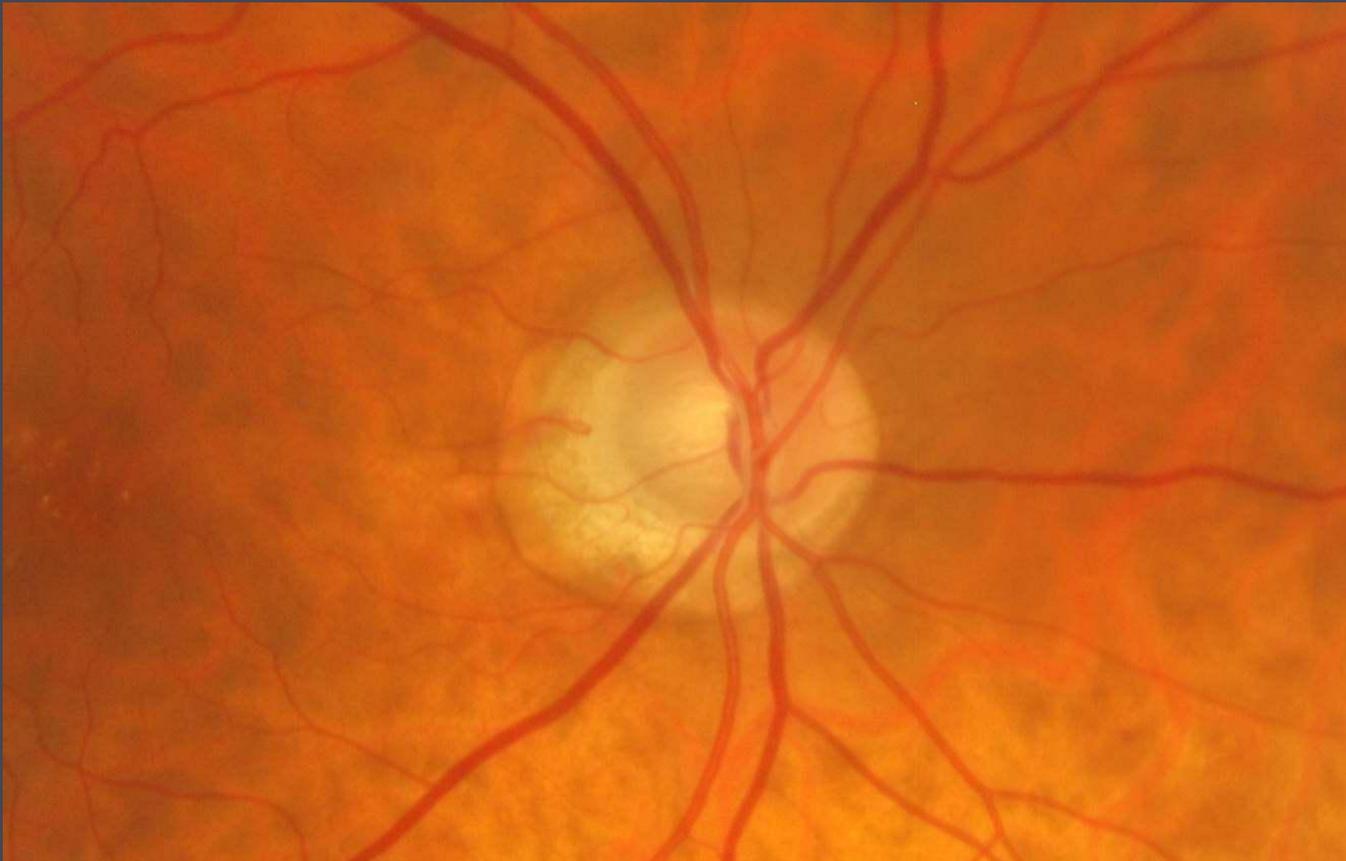
Note collateral disc vessels



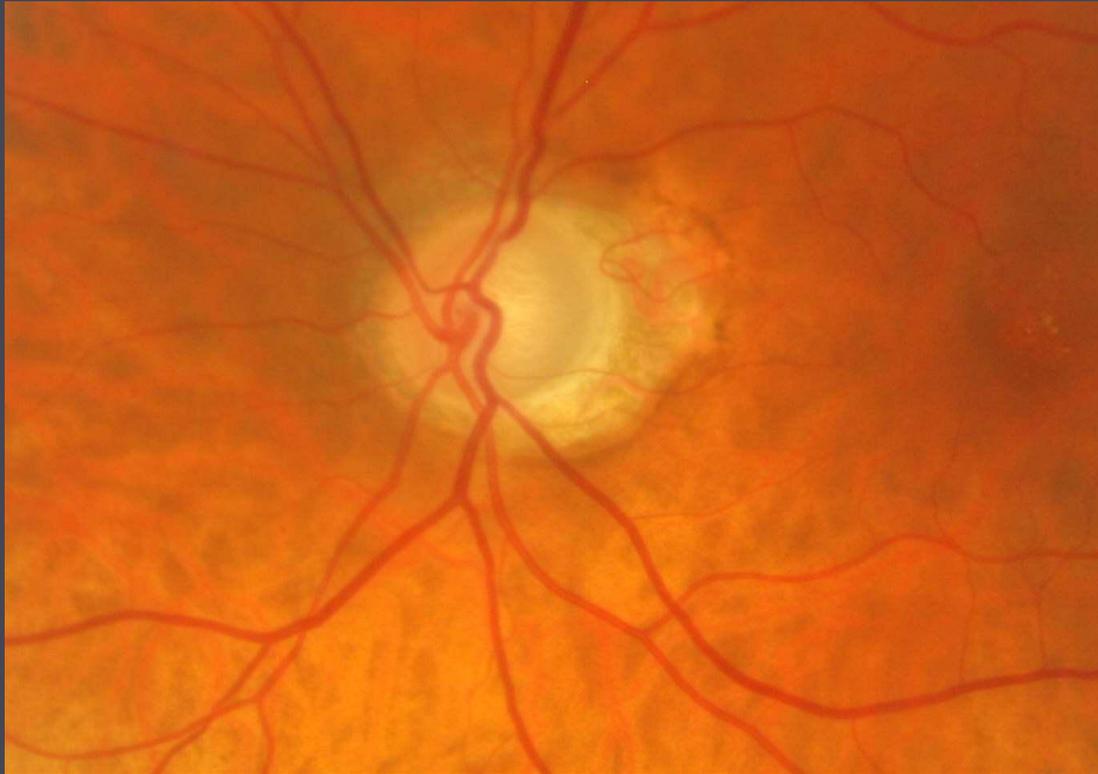
Gold embolism



Glaucoma



Glaucoma



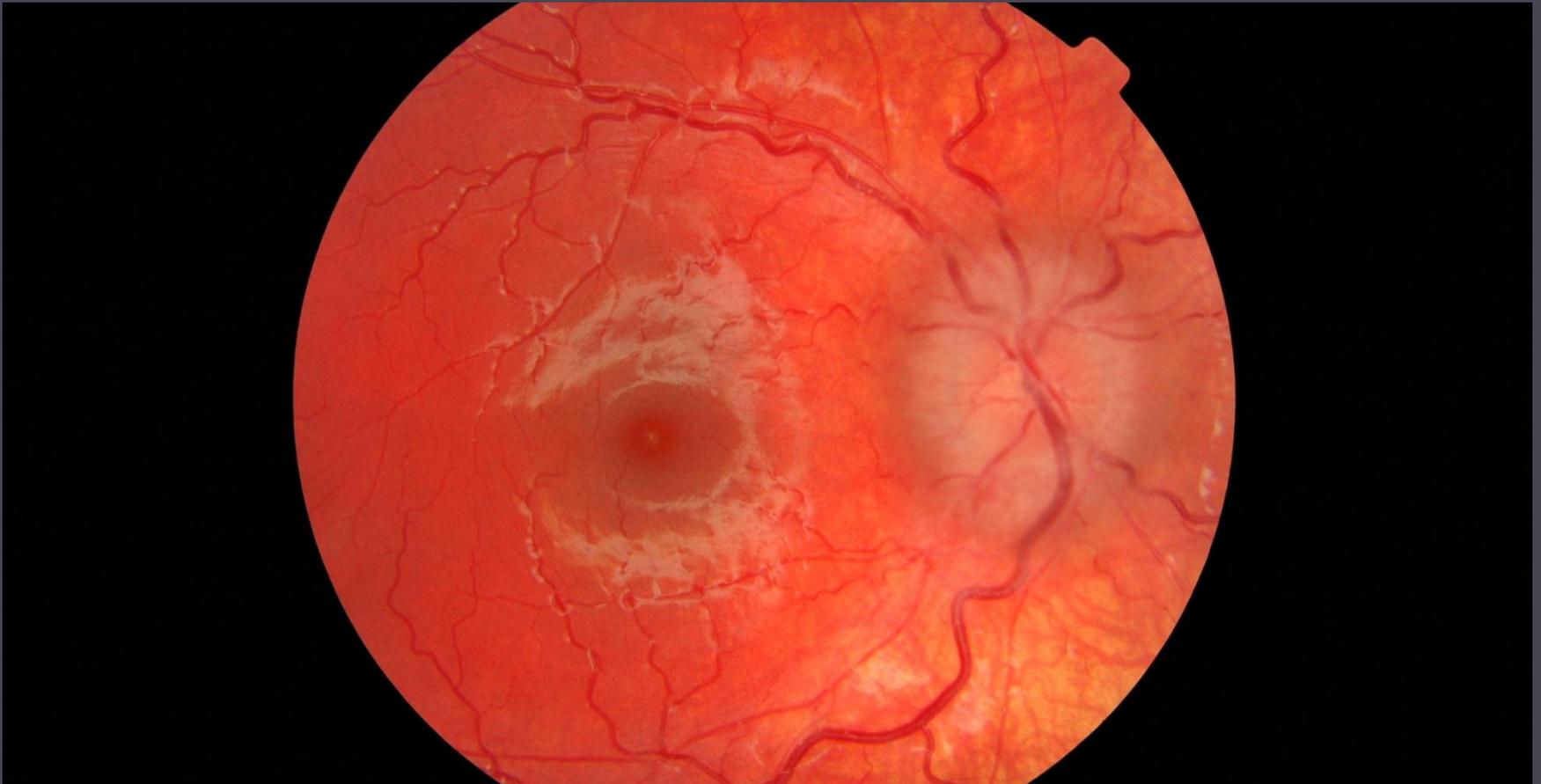
Disc haemorrhage, not DR

Suspicious for glaucoma



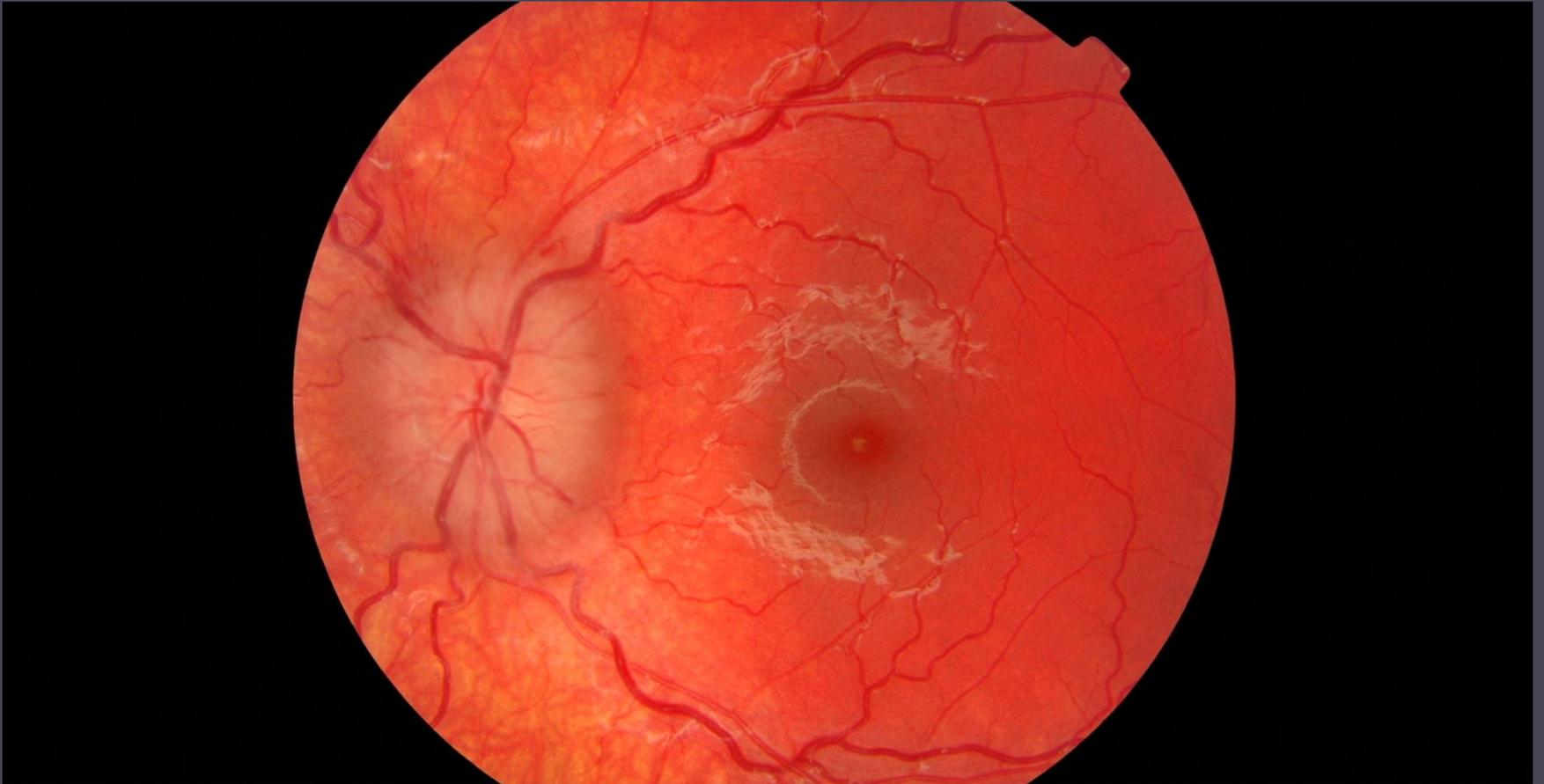
Papilloedema

VA moderately reduced or no change



Papilloedema

Fellow eye, almost always bilateral



Papillitis

More likely to be unilateral and VA reduced



Comparison with previous image

Left side: Last screening episode

Right side: current episode



Wet AMD

Central swelling



Wet AMD

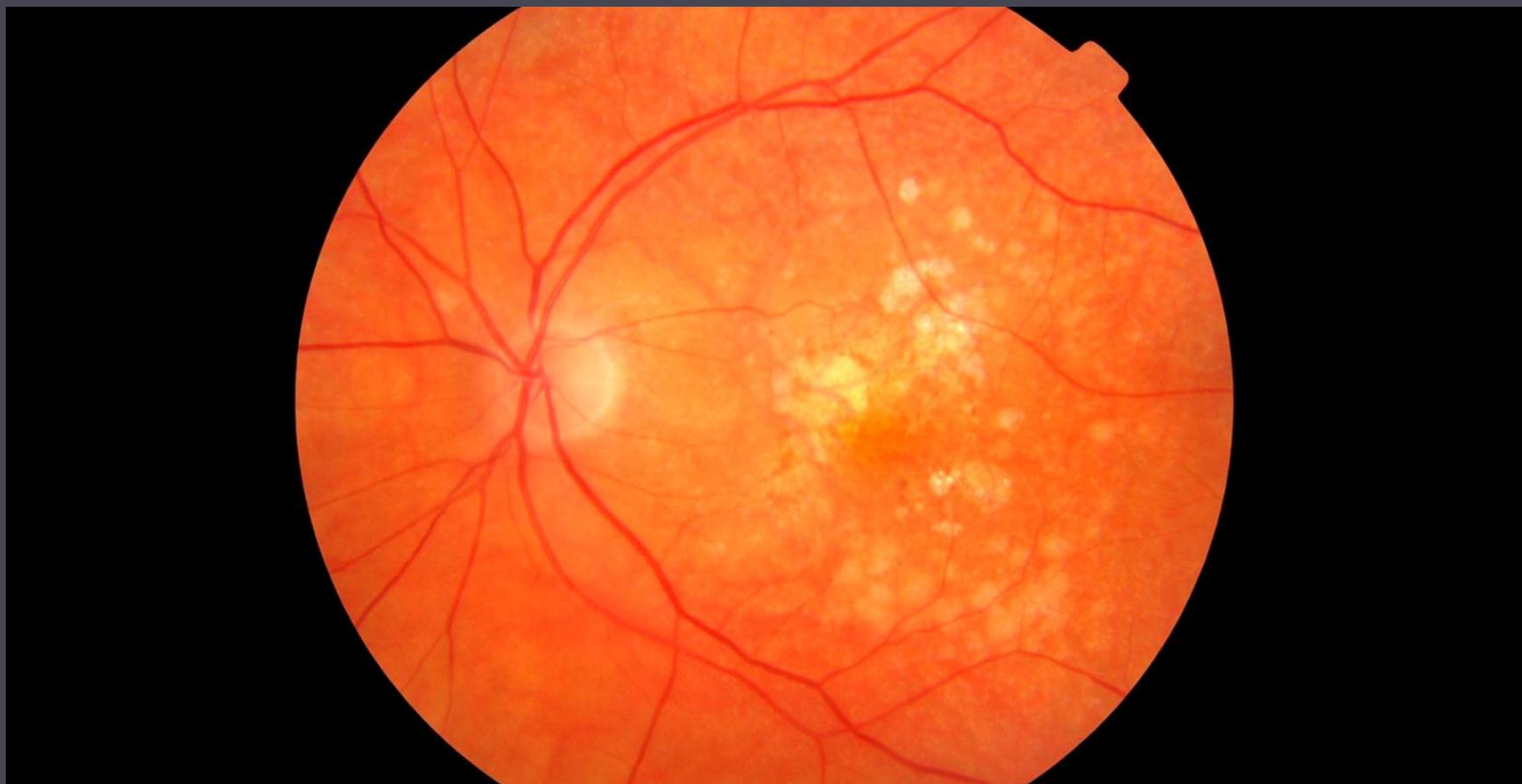
Central exudation and pigment dispersion



Pigment dispersion and Drusen



Dry AMD



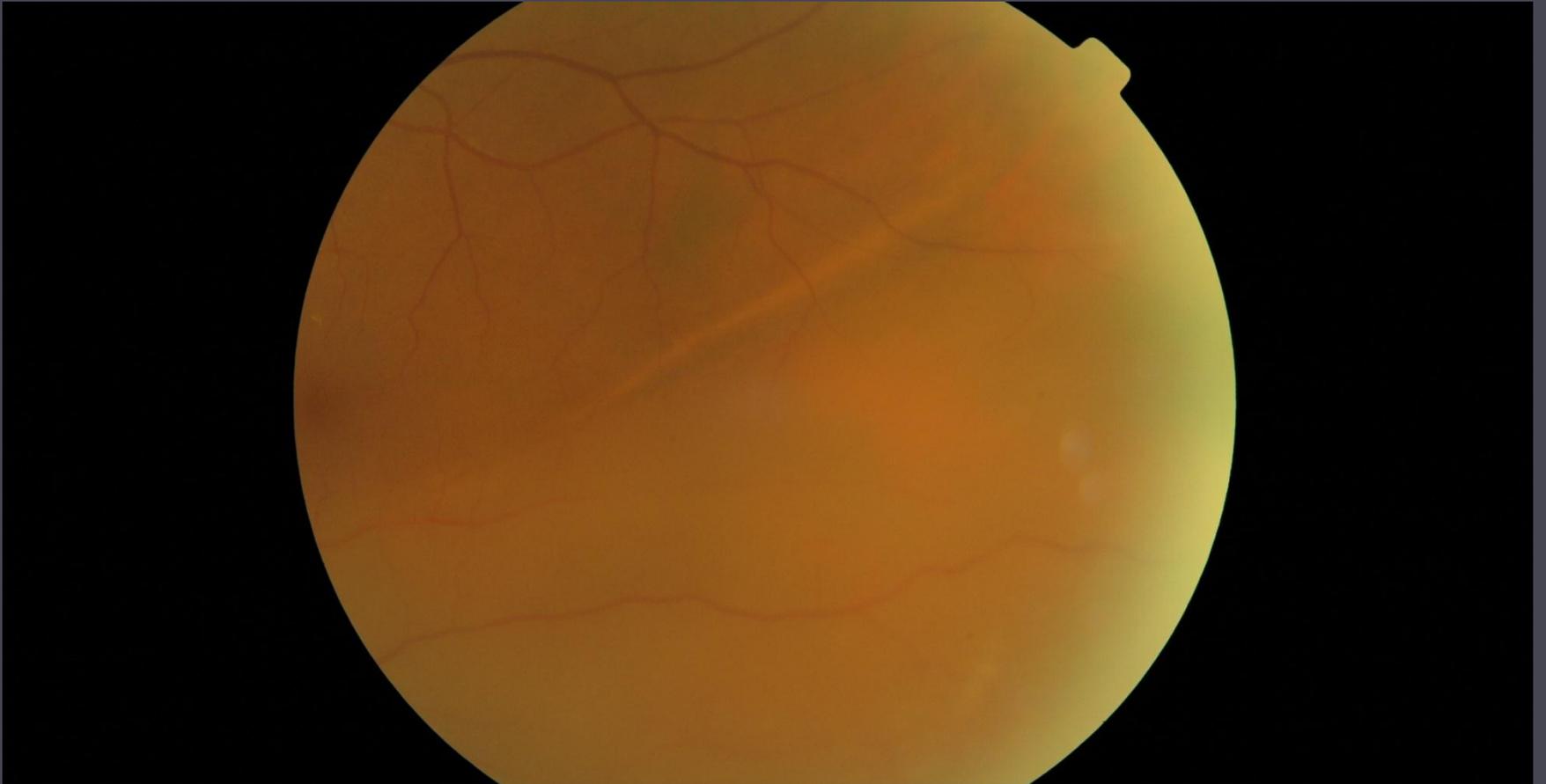
Chorio-retinal scar



Melanoma



Retino-Schisis



Retino-Schisis



Cellophane Maculopathy

AKA Macular Pucker/Epi-macular membrane (EMM)

