MICROANEURYSM - small deep red dots in the retina (not haemorrhages) but as "out-pouches" from damaged or weakened capillary walls. They may or may not be leaking.

**VISION LOSS** 

**HARD EXUDATE** - distinct yellow white deposits of lipids that have leaked from damaged retinal capillaries. They can be seen as small deposits, larger plagues or in distinct circinate pattern around the macular.

**HAEMORRHAGES** - intraretinal bleeding may be 'dot', 'blot' or 'flame' shaped depending on their depth within the retina.

**COTTON WOOL SPOTS** - greyish white fluffy patches of discolouration in the nerve fiber layer, linked with focal hypoxia and swelling of nerve fibers.

MACULAR OEDEMA - swelling at the macular caused by leakage and build of fluid into the retina, affecting vision.

**VEGF** - Vascular Endothelial Growth Factor. Stimulates the growth of new blood vessels.

**NEOVASCULARISATION** - abnormal and fragile new blood vessel growth on the retinal surface, which can bleed easily, affecting vision.