

Supplementary Table 1 Retinopathy and maculopathy grading scheme for the Scottish Diabetes Retinopathy Screening Service ⁴

Code	Description
Retinopathy (DR)	
R0	No visible diabetic retinopathy anywhere
R1(Mild)	Background diabetic retinopathy (BDR) – mild <ul style="list-style-type: none">• At least one dot haemorrhage or microaneurysm with or without hard exudates
R2(Observable)	BDR - moderate <ul style="list-style-type: none">• Four or more blot haemorrhages (i.e. \geq Airlie House standard photograph 2a) in one hemi-field only(Inferior and superior hemi-fields delineated by a line passing through the centre of the fovea and optic disc)
R3(Referable)	BDR - severe Any of the following features: <ul style="list-style-type: none">• Four or more blot haemorrhages (i.e. \geq Airlie House standard photograph 2a) in both inferior and superior hemi-fields• Venous beading(\geqAirlie House standard photograph 6a)• Intraretinal microvascular abnormalities (IRMA)(\geqAirlie House standard photograph 8a)
R4(Proliferative)	Proliferative diabetic retinopathy (PDR) Any of the following features <ul style="list-style-type: none">• New vessels• Vitreous haemorrhage
Maculopathy (MAC)	
M1(Observable)	Lesions within a radius of >1 but <2 disc diameters of the centre of the fovea <ul style="list-style-type: none">• Any hard exudates
M2(Referable)	Lesions within a radius of <1 disc diameter of the centre of the fovea <ul style="list-style-type: none">• Any blot haemorrhages• Any hard exudates• Macula Oedema