

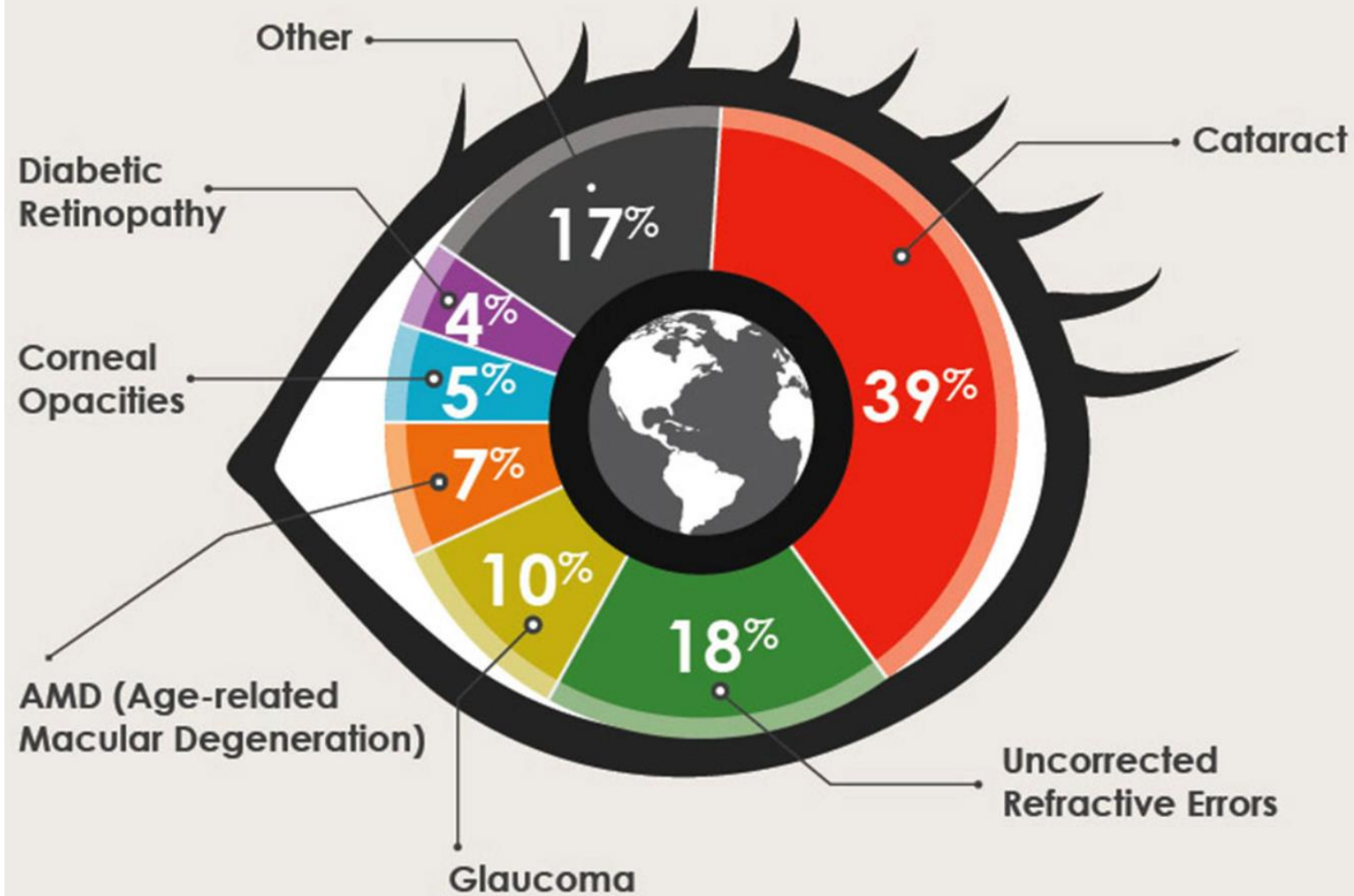
Leeftijdsgebonden maculaire degeneratie

Joke Ruys

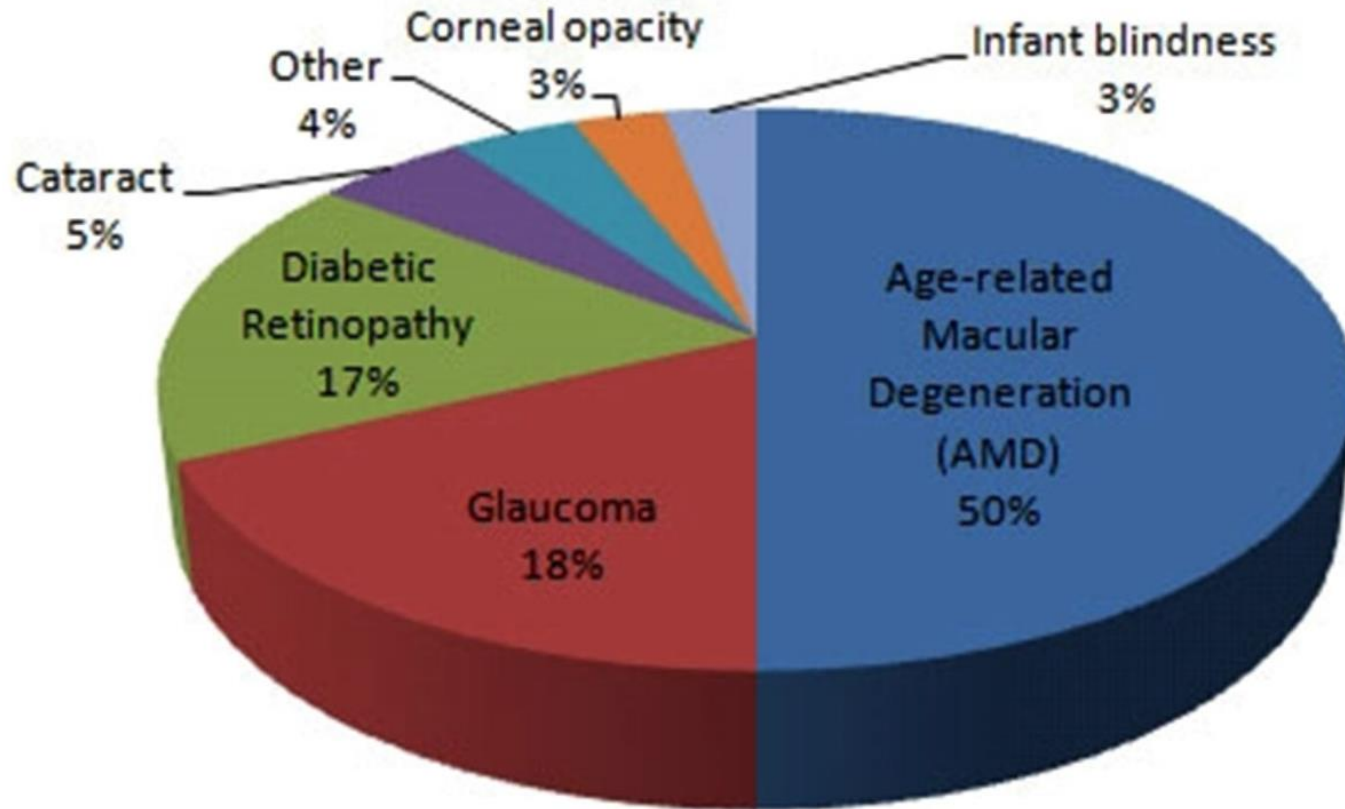
Oogarts

ZNA Middelheim

Leading Causes of Blindness Around the World



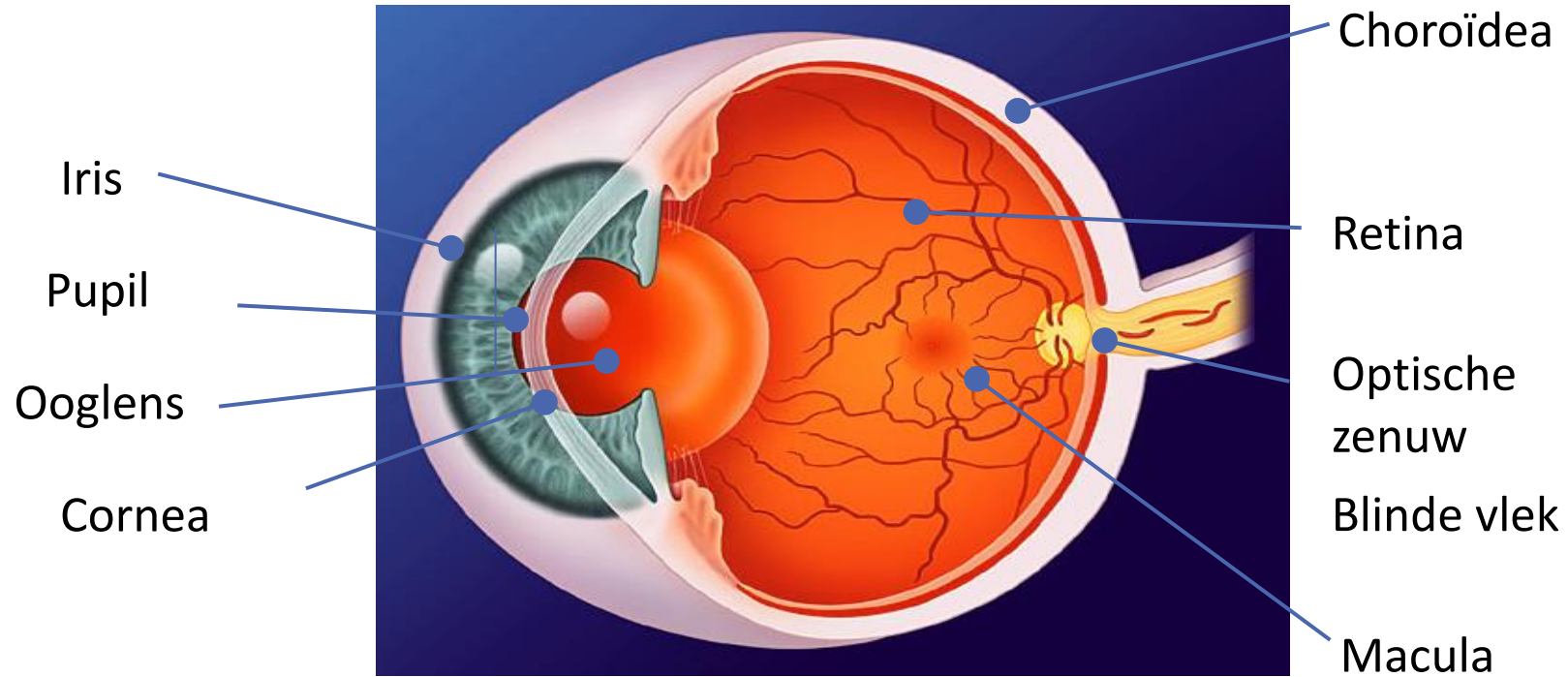
Causes of blindness in the most developed countries



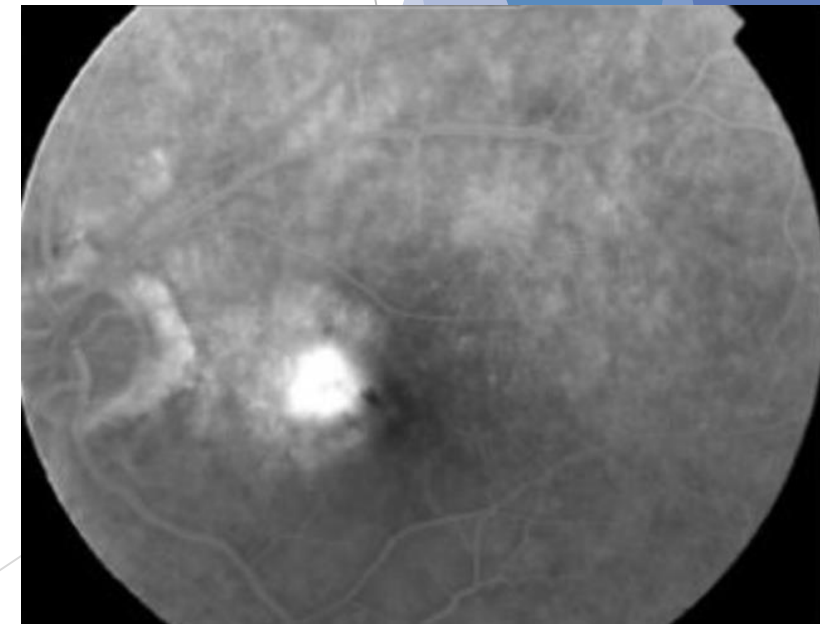
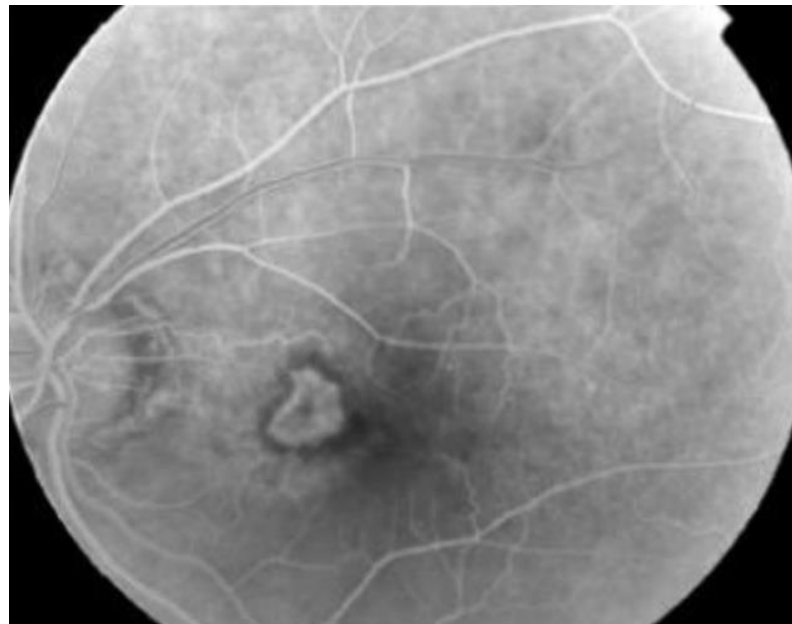
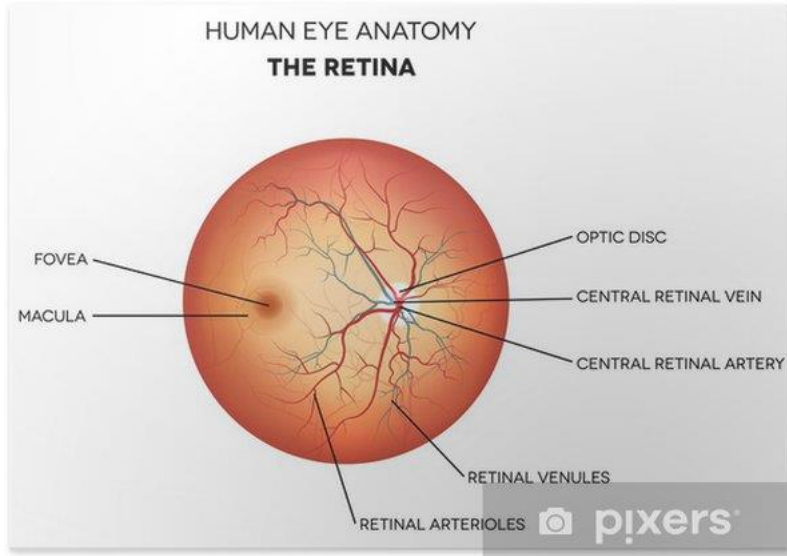
Onderzoeken

- ▶ Anatomie
- ▶ Fluoresceïne angiografie
- ▶ OCT
- ▶ OCTangiografie

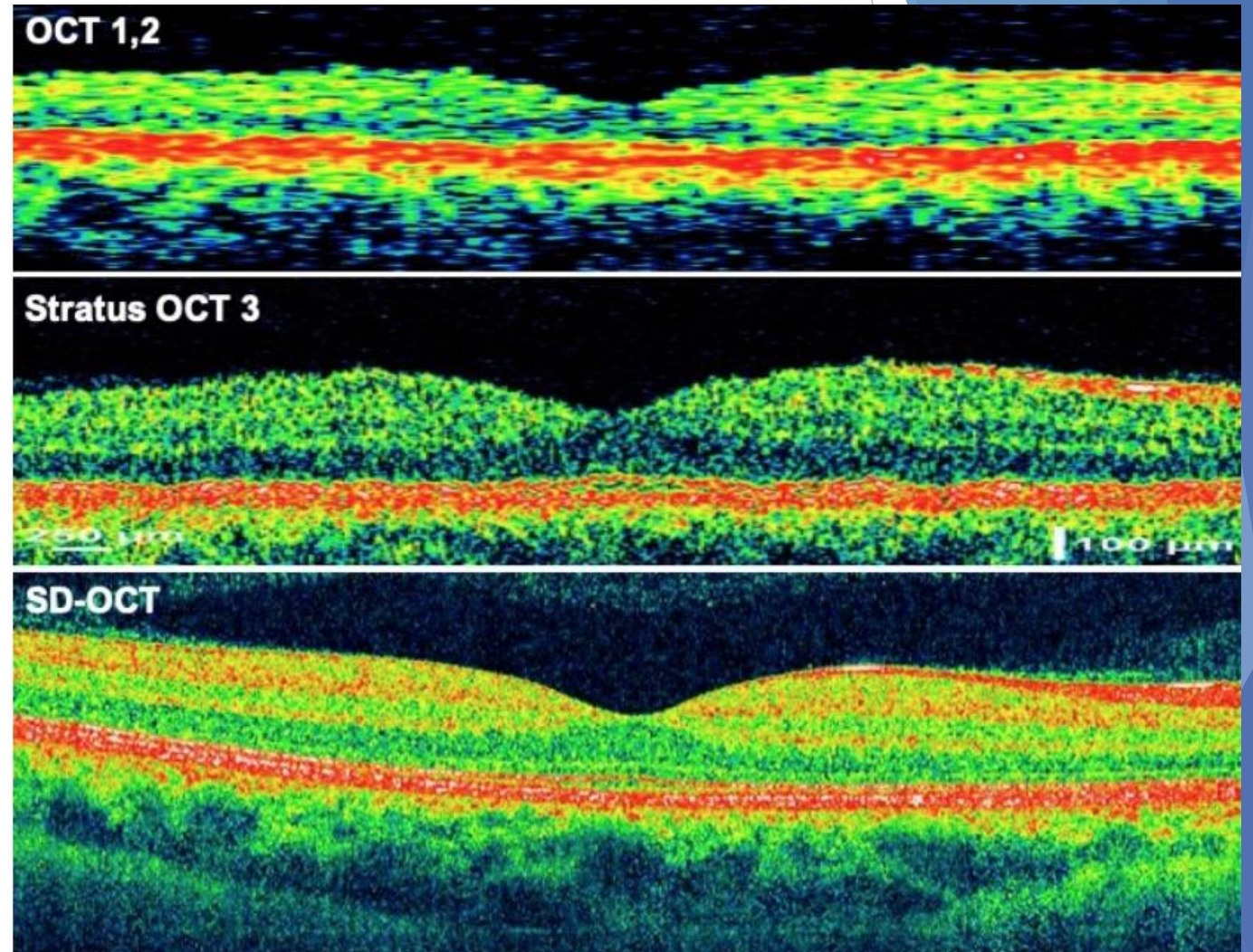
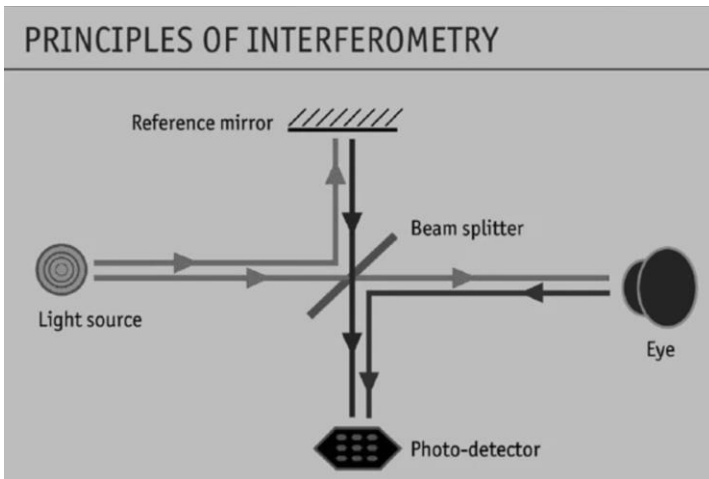
Anatomie



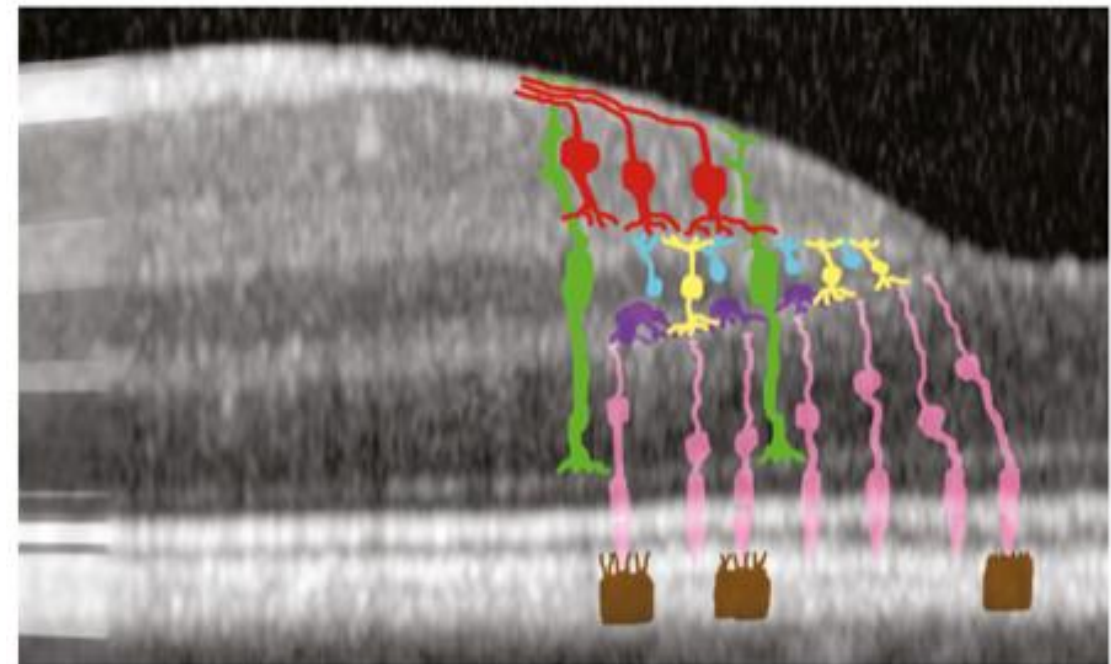
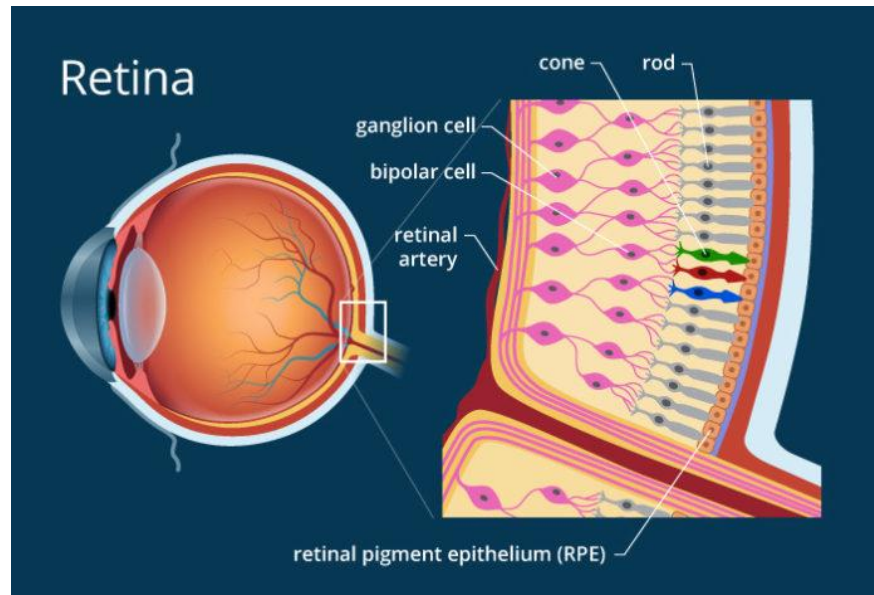
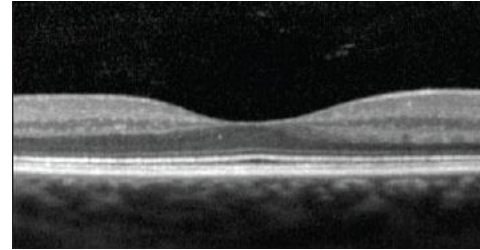
Onderzoeken : Fluo-angiografie



Onderzoeken : OCT



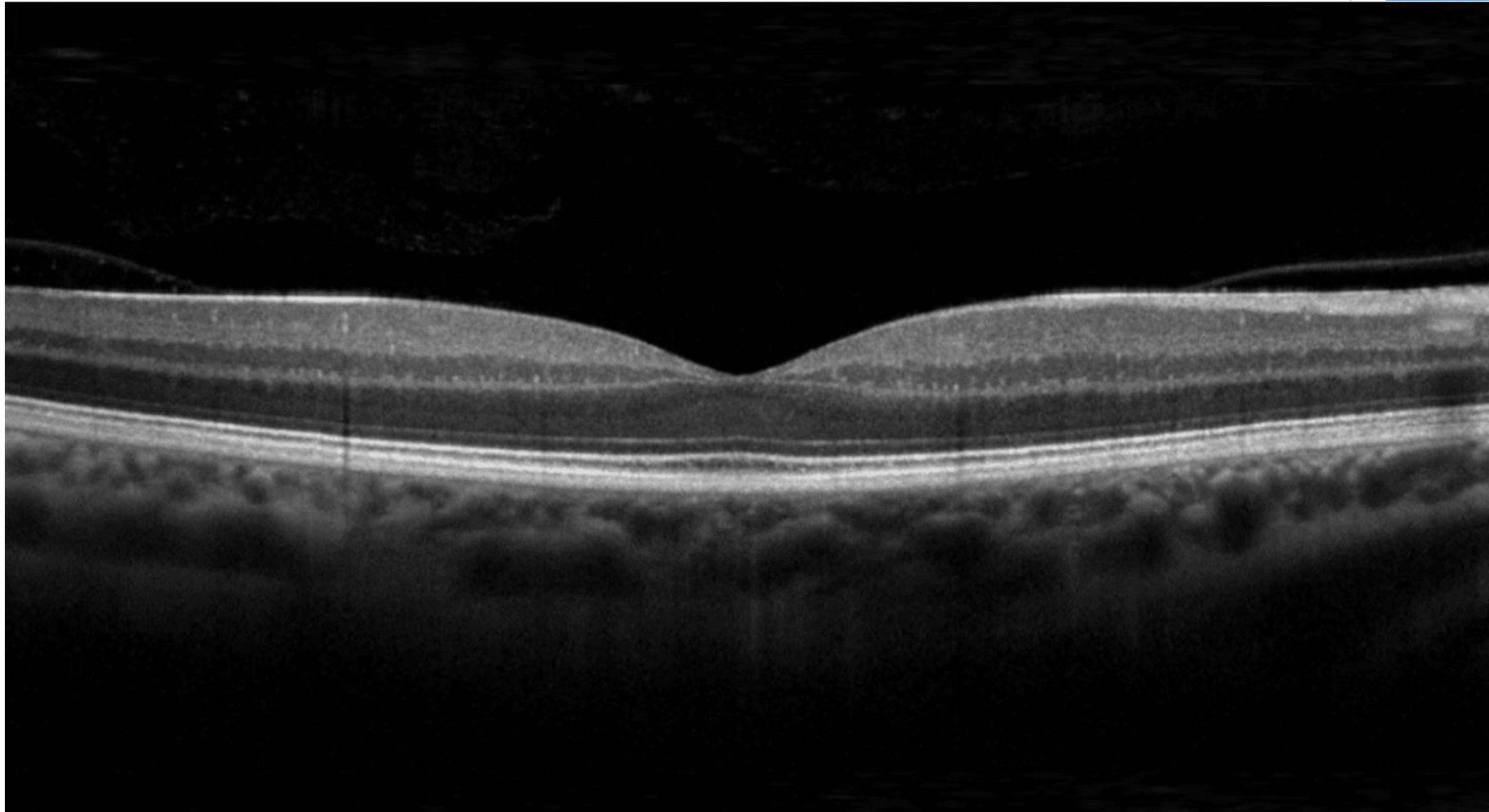
Onderzoeken : OCT



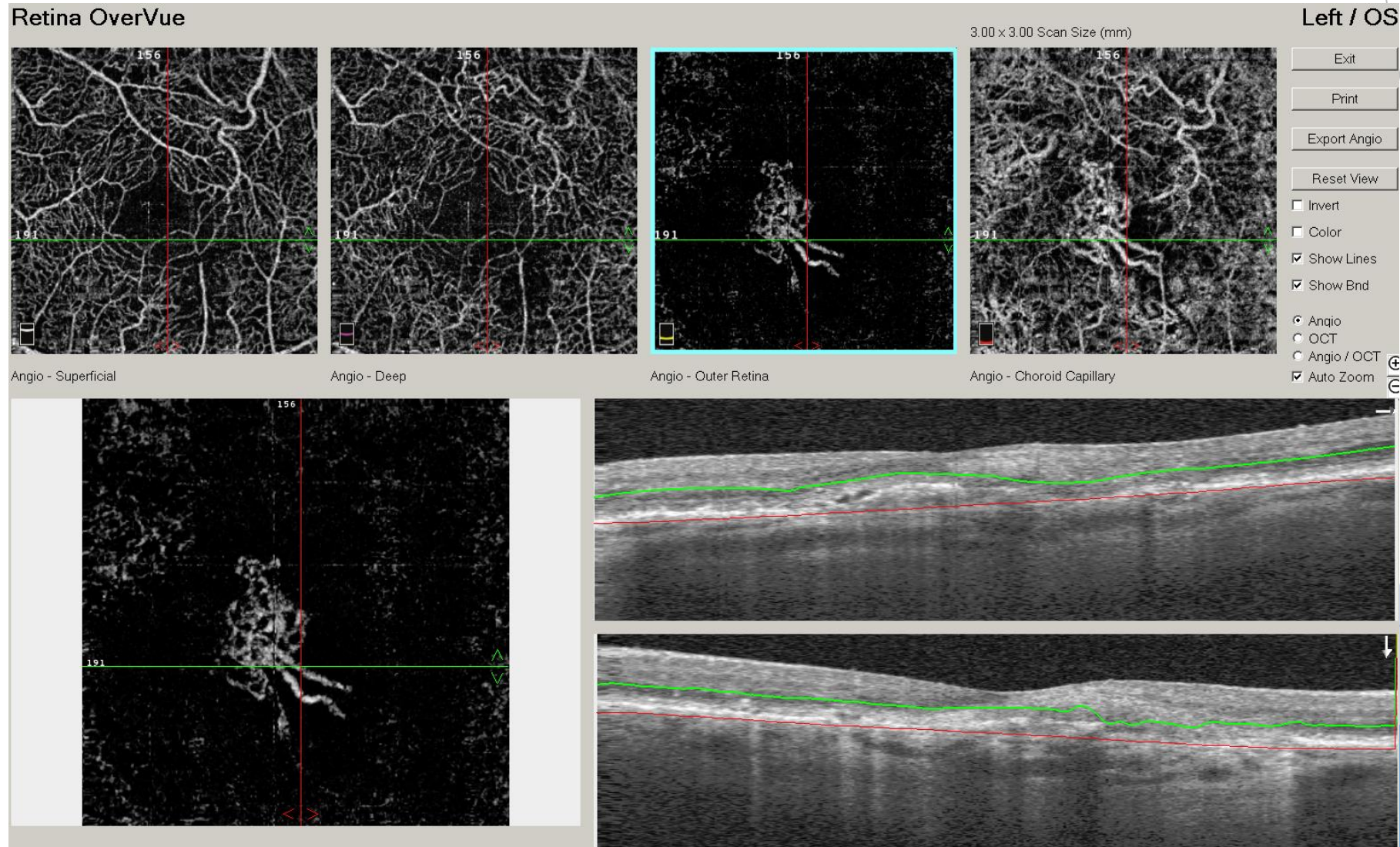
Ganglion Cells
Bipolar Neurons
Horizontal Neurons
RPE

Müller Glial Cells
Amacrine Neurons
Photoreceptors



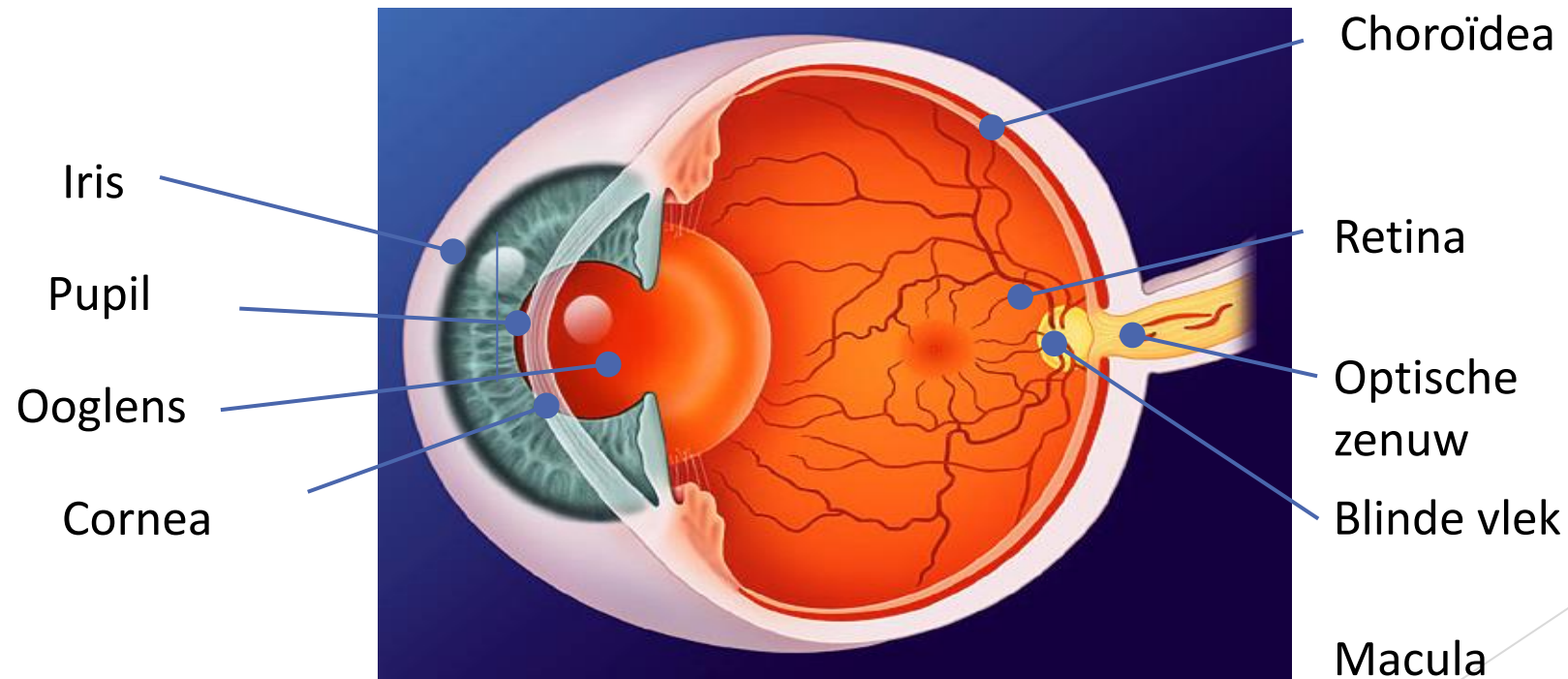


Onderzoeken : angioOCT



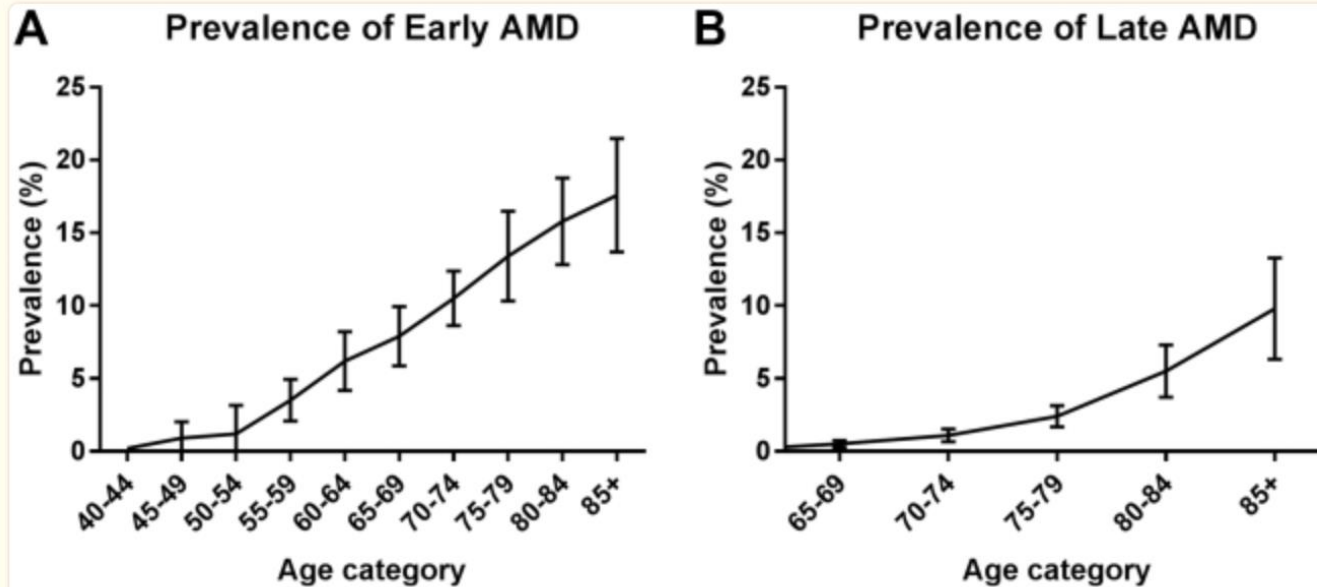
Leeftijdsgebonden maculaire degeneratie

- Degeneratieve aandoening van de macula bij patiënt ouder dan 60 jaar

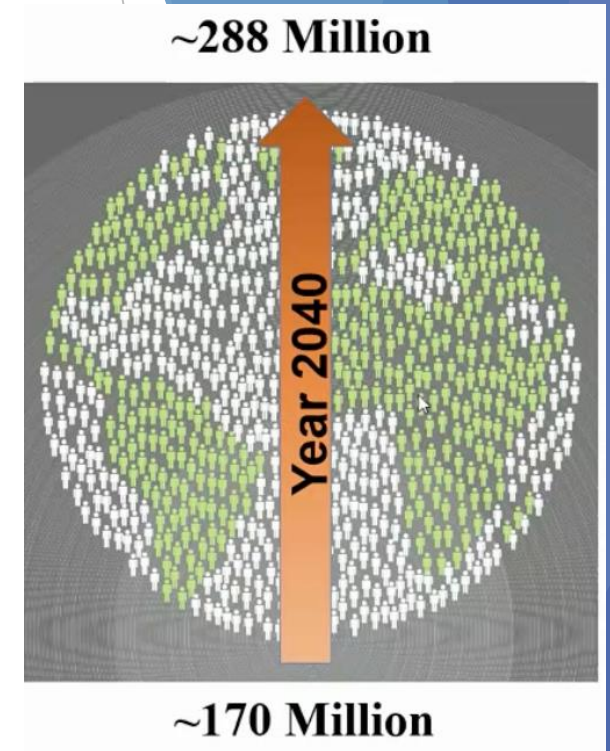
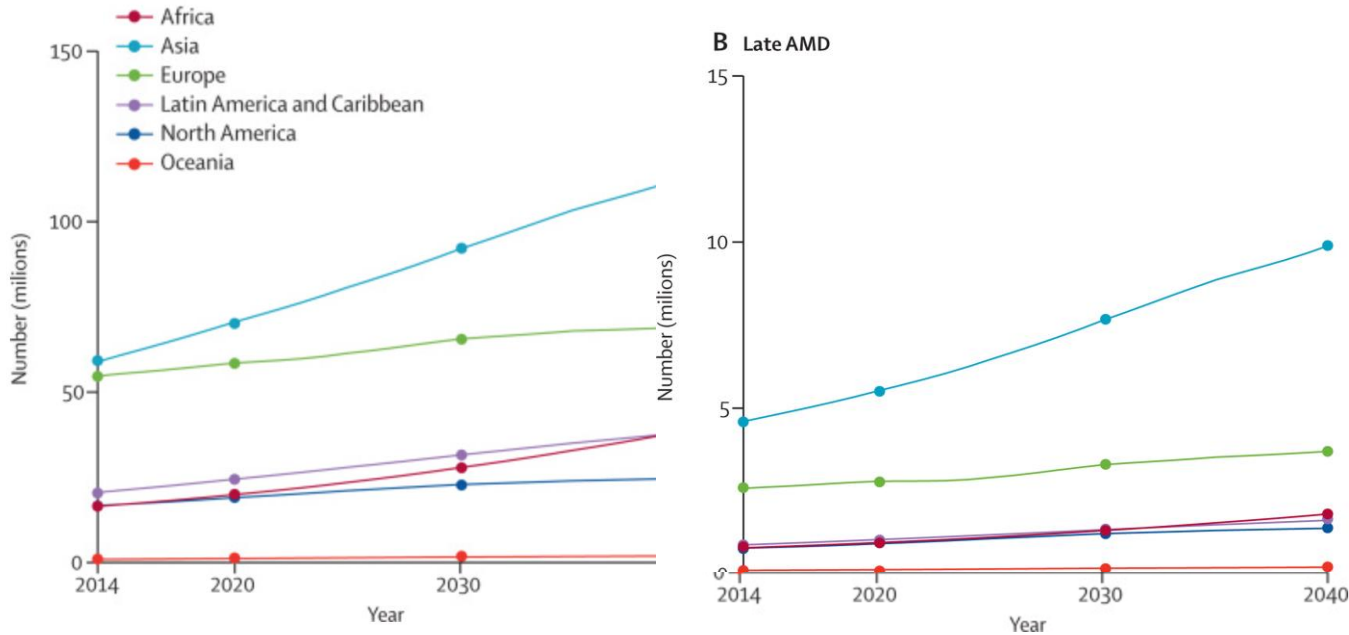


Leeftijdsgebonden maculaire degeneratie

- ▶ LMD is de voornaamste oorzaak van centraal visusverlies in de Westerse populatie boven 60 jaar



Leeftijdsgebonden maculaire degeneratie



- ▶ Tegen 2040 in Europa 69 miljoen mensen LMD
4 miljoen mensen gevorderde aandoening

Global prevalence of age-related macular degeneration and disease burden projection for 2020 and 2040: a systematic review and meta-analysis

The Lancet Global Health February 2014. DOI: 10.1016/S2214-109X(13)70145-1

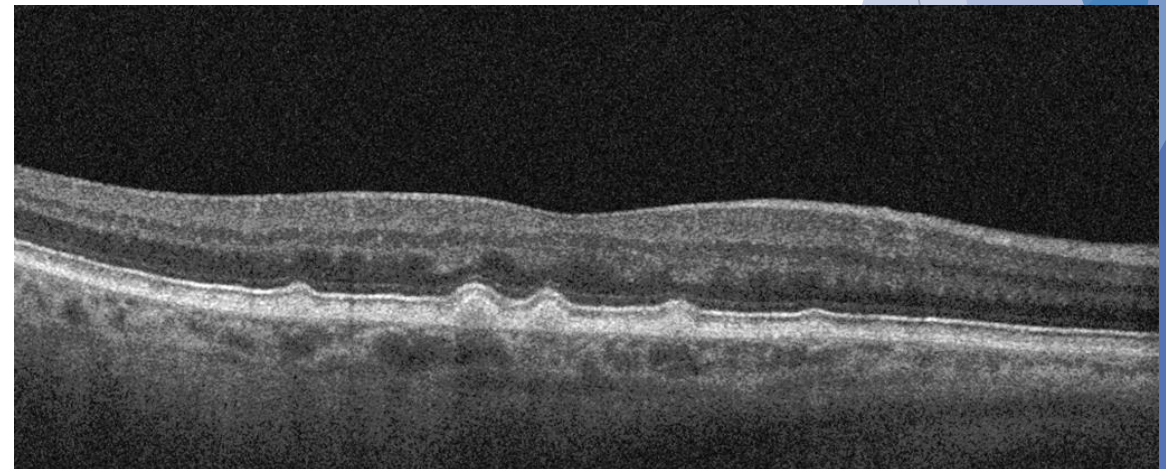
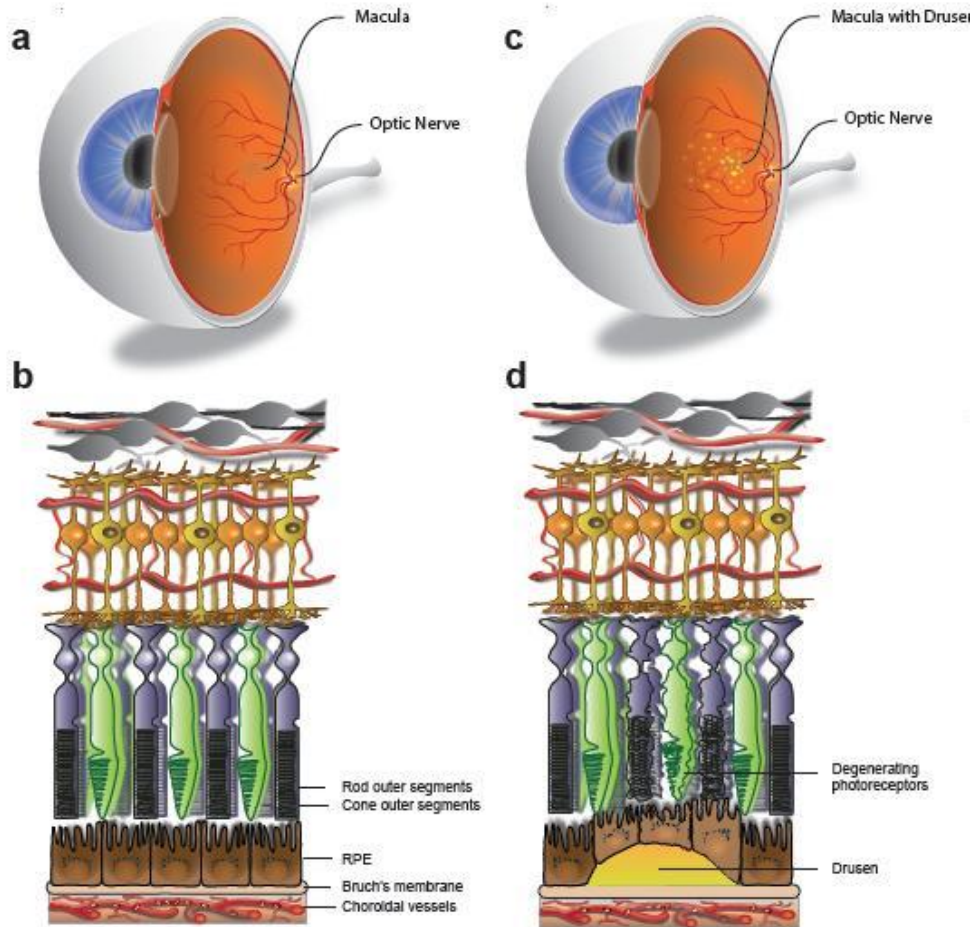
- ▶ Risicofactoren - Familiale anamnese
 - Roken
 - Leeftijd
 - Obesitas
 - Cardiovasculaire aandoeningen

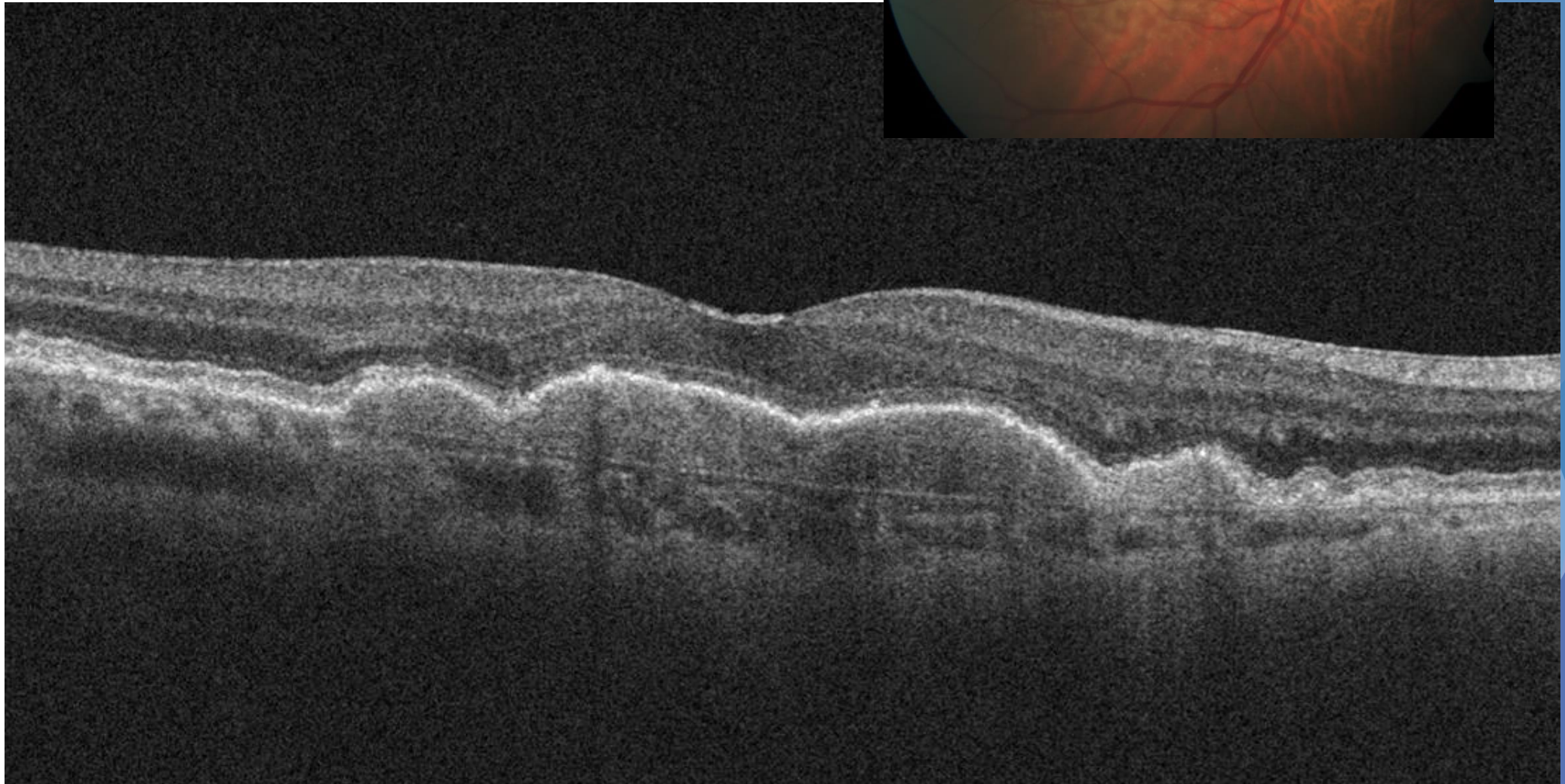


Leeftijdsgebonden maculaire degeneratie

- ▶ Droge LMD : 90%
- ▶ Natte LMD

Droge leeftijdsgebonden maculaire degeneratie (vroeg stadium)



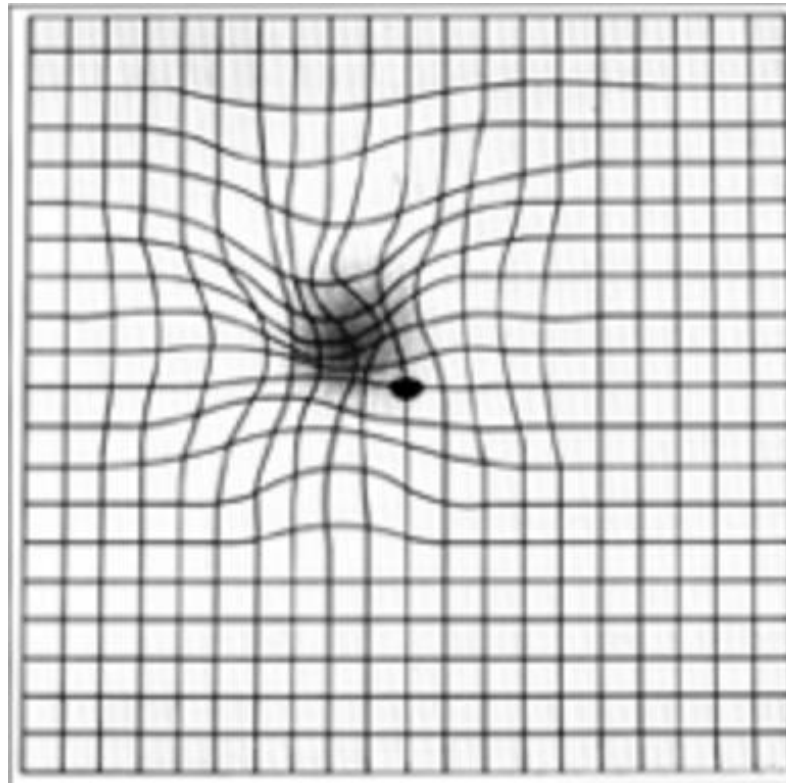
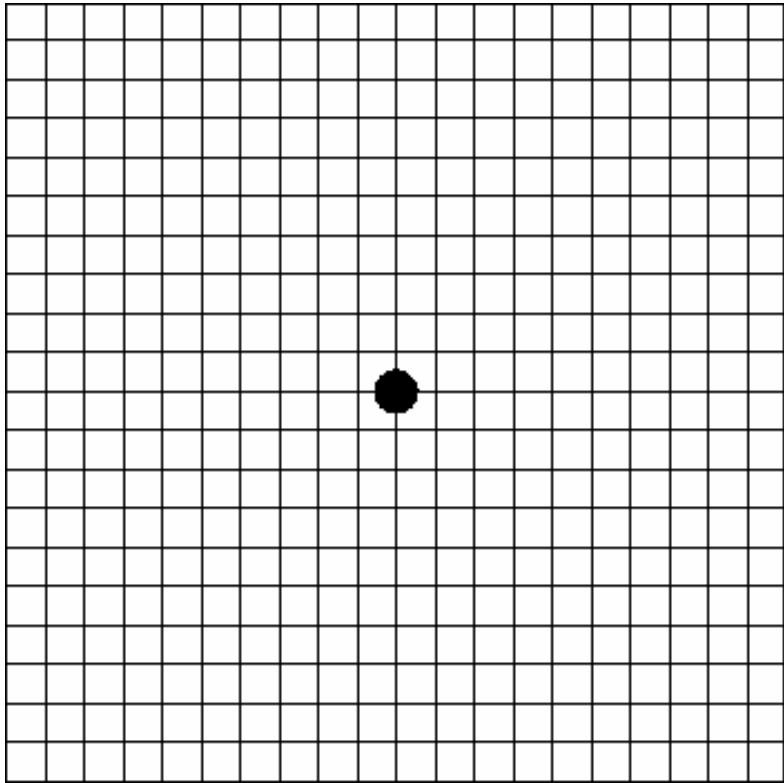


Droge LMD

- ▶ Symptomen:
 - ▶ Visusdaling
 - ▶ Kromme lijnen
 - ▶ Scotoom voor het zicht
 - ▶ Leesproblemen
 - ▶ 'Mijn bril is niet meer goed'



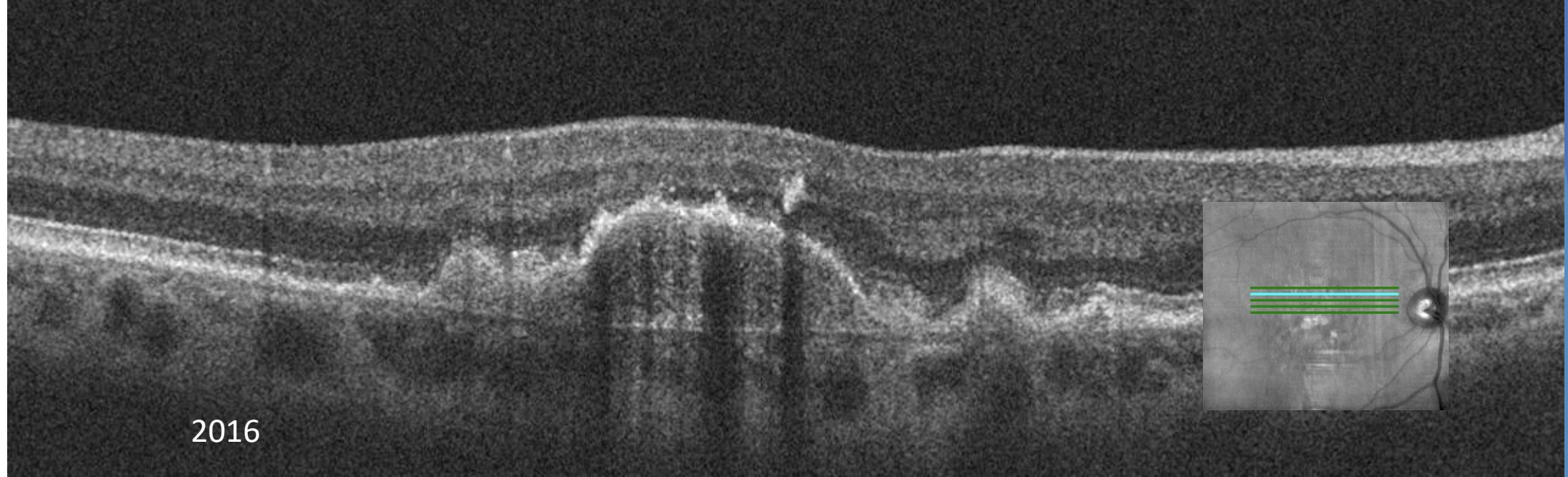
► Amsler rooster



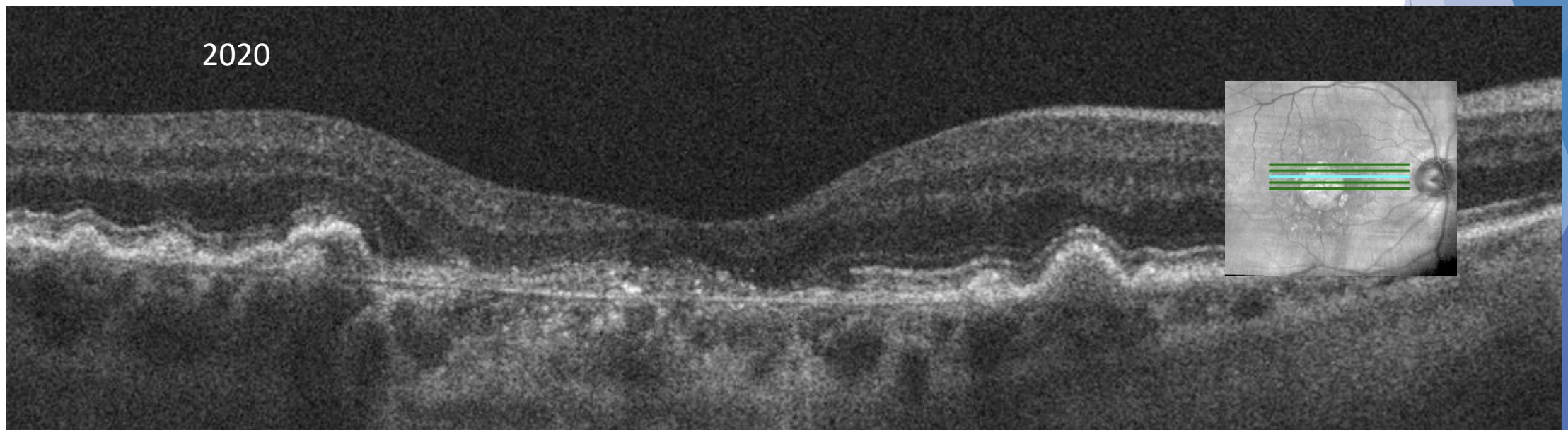
Droge LMD : behandeling

- ▶ Stoppen met roken (risico 2-3x hoger)
- ▶ Fysieke activiteit
- ▶ Gezond eten
- ▶ Voedingssupplementen met luteïne en zeaxanthine,.. : AREDS2 studie : minder progressie
- ▶ Evolutie naar
 - ▶ Atrofie
 - ▶ Natte LMD
- ▶ Kan evolueren naar blindheid

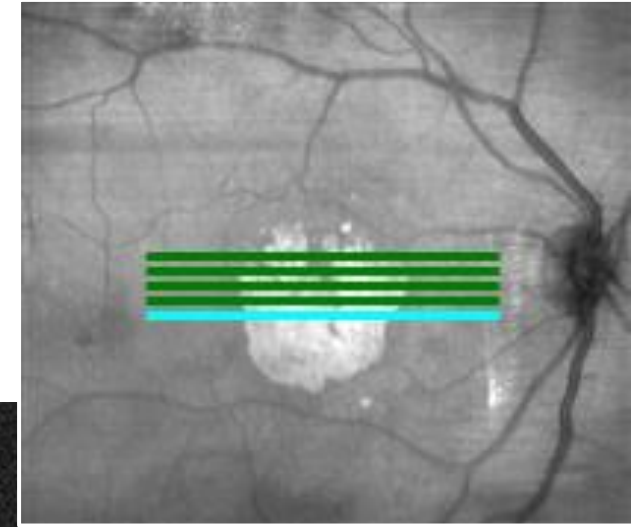
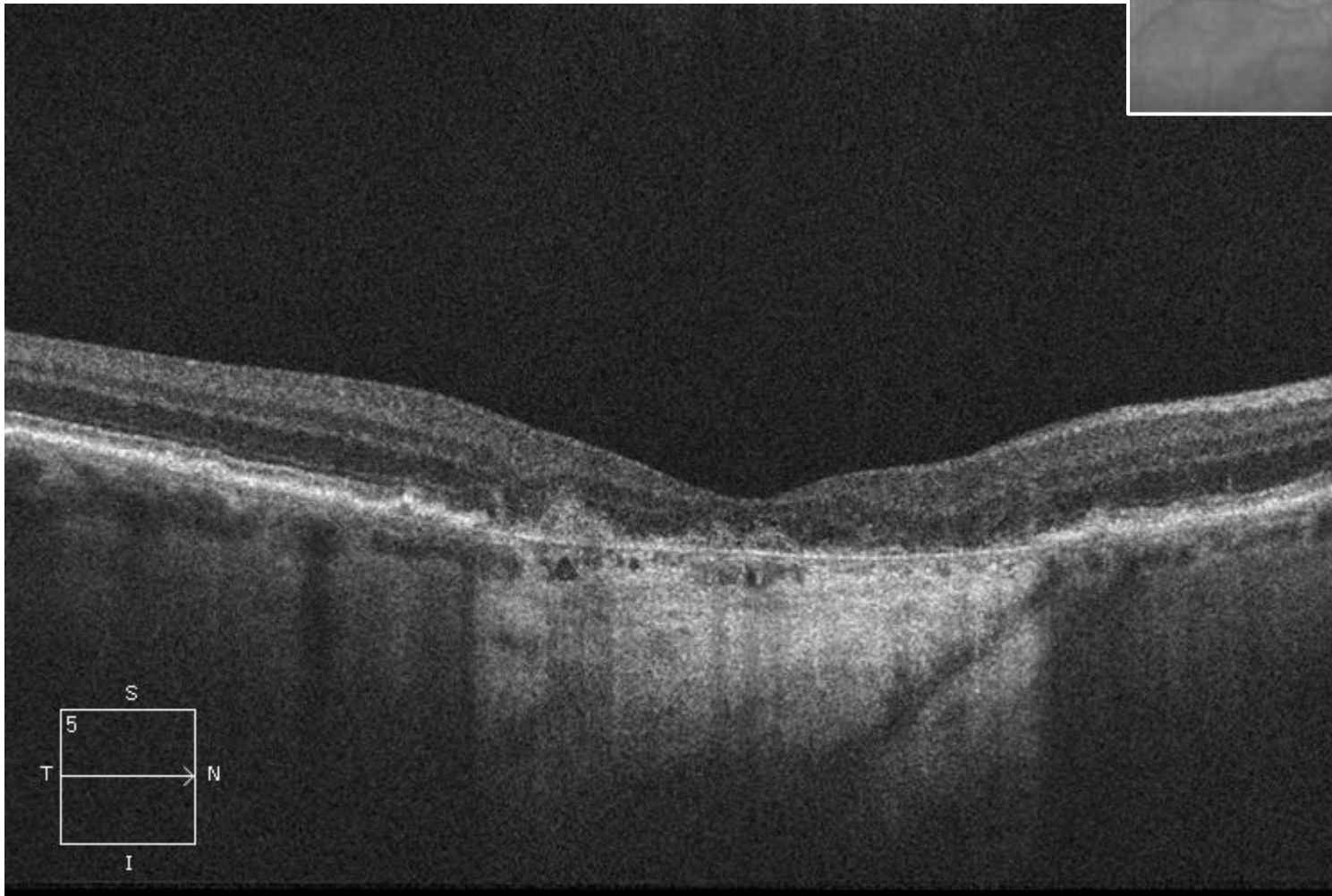


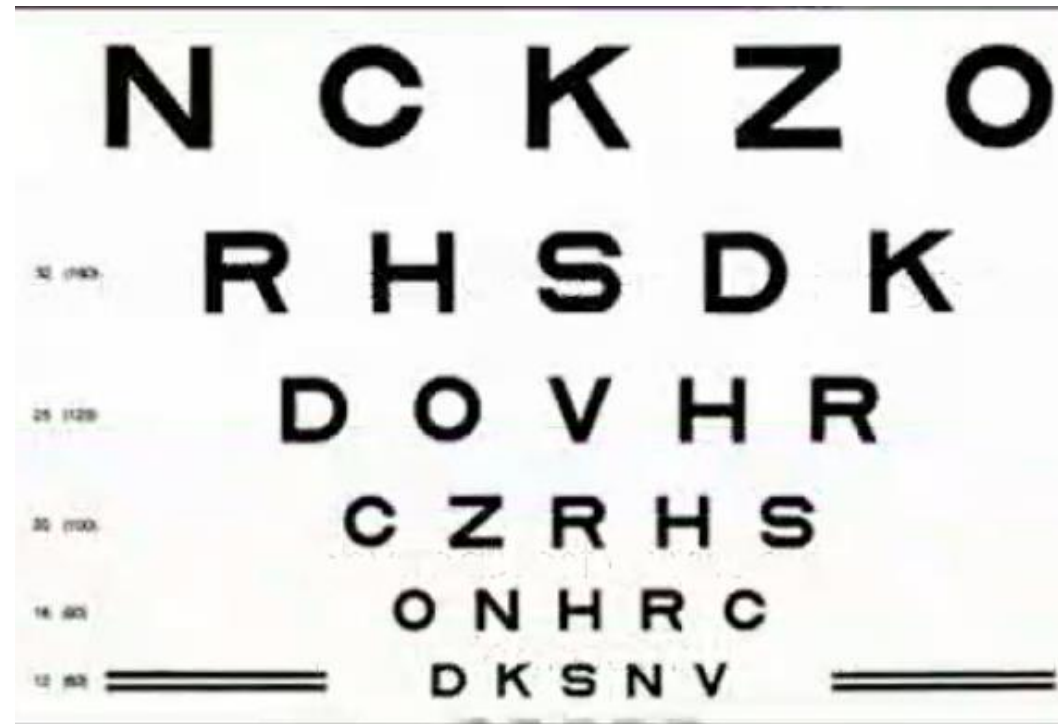


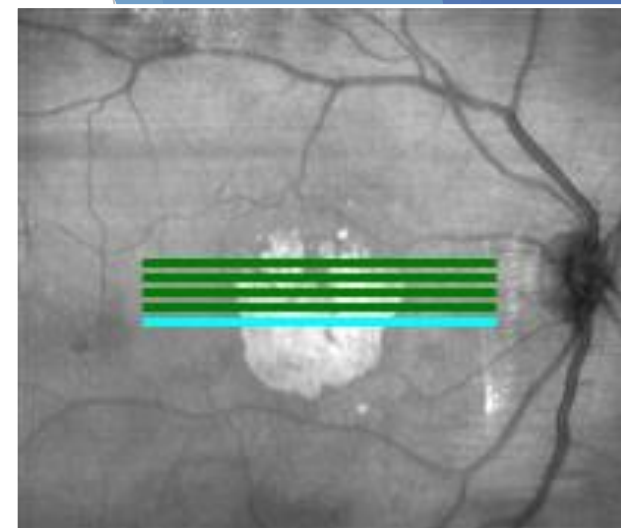
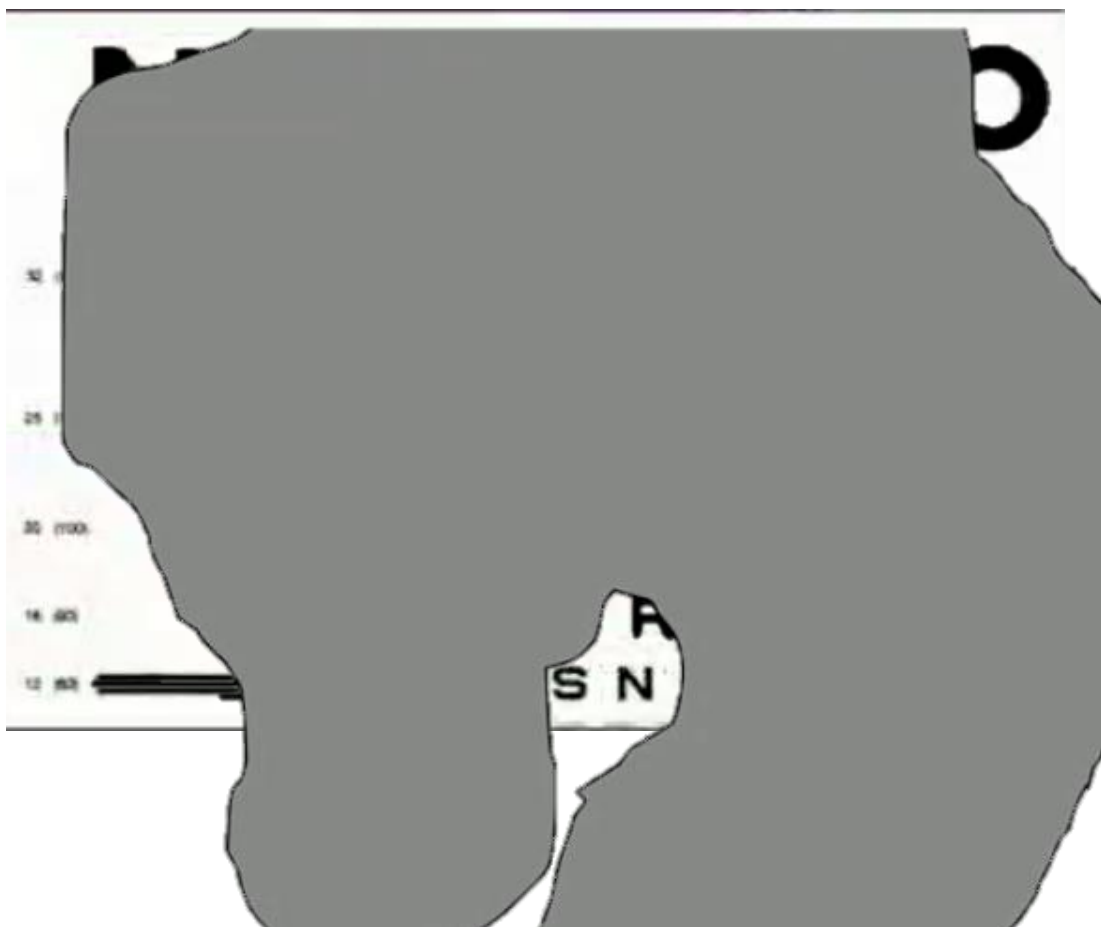
Evolutie naar atrofie



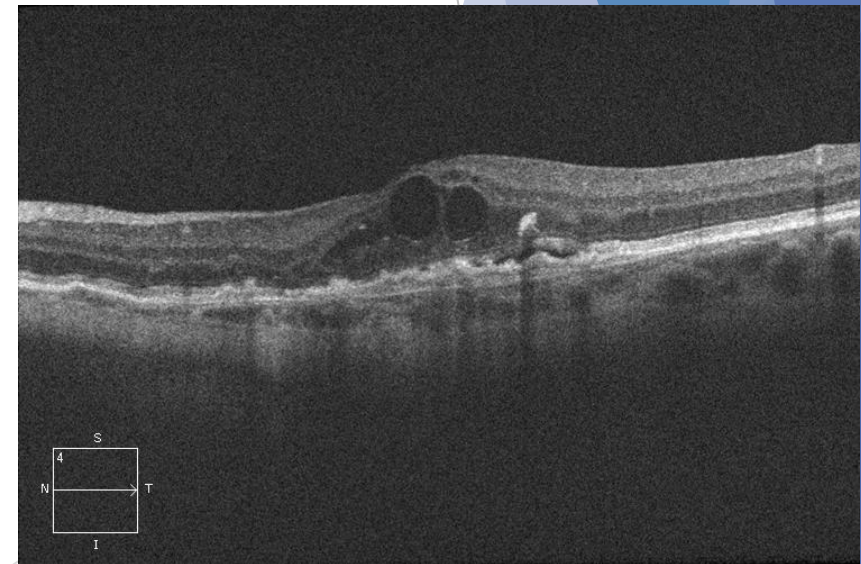
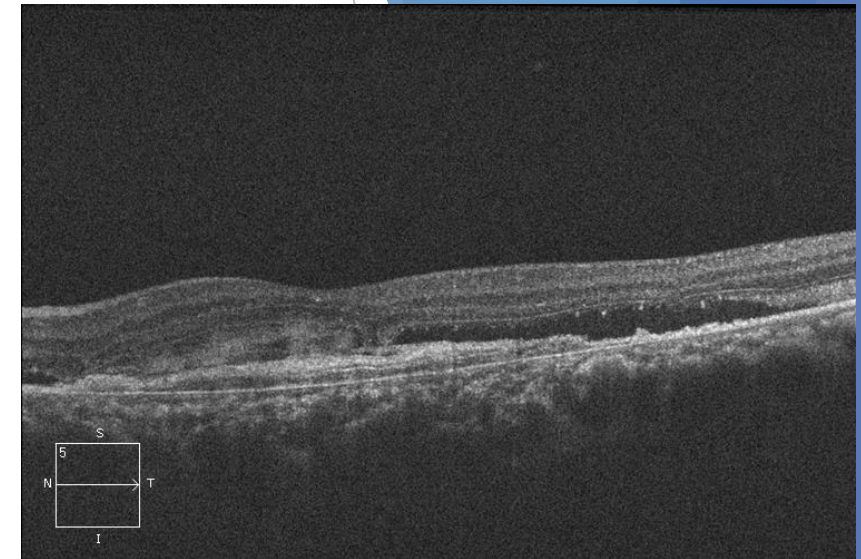
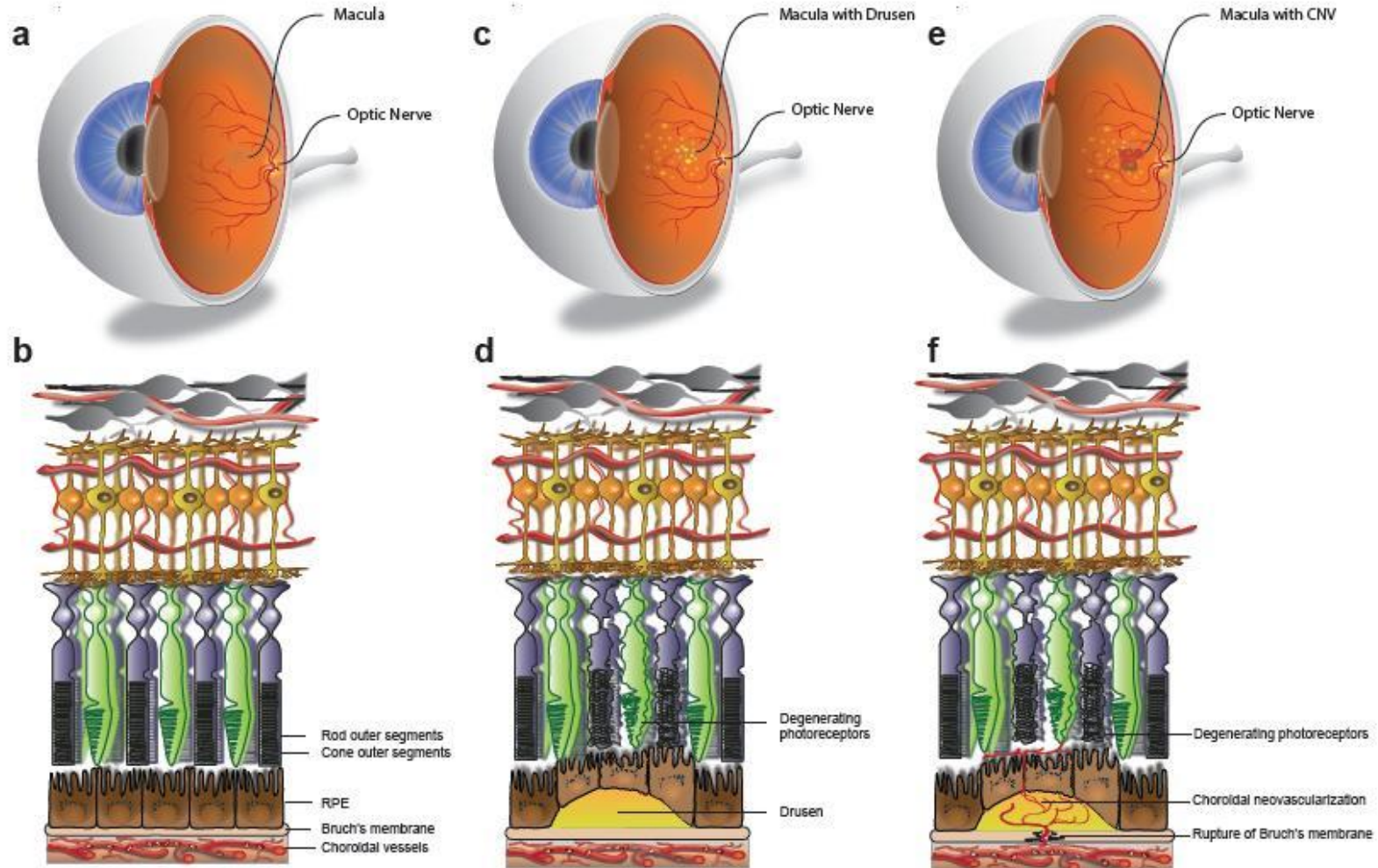
Eindstadium : atrofie



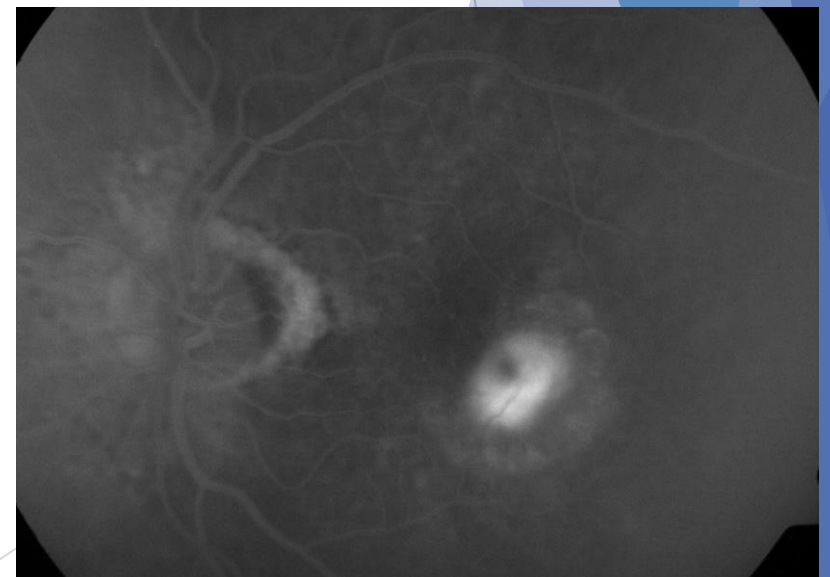
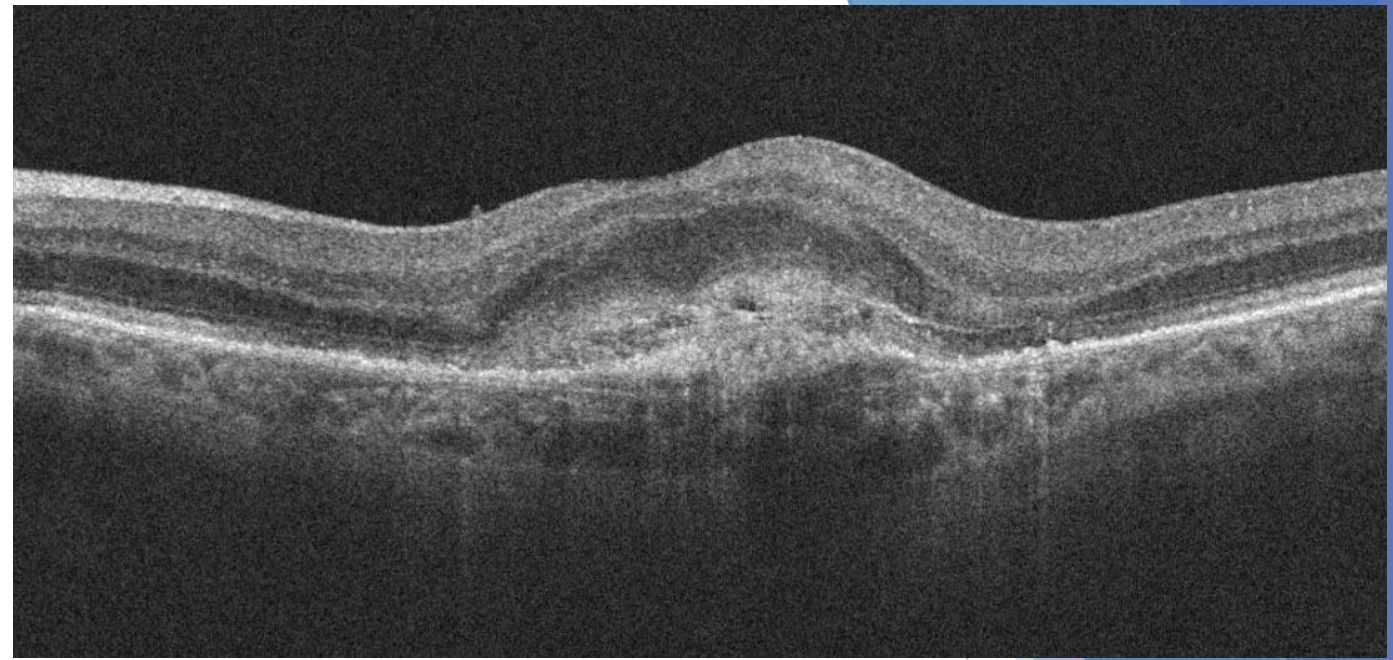
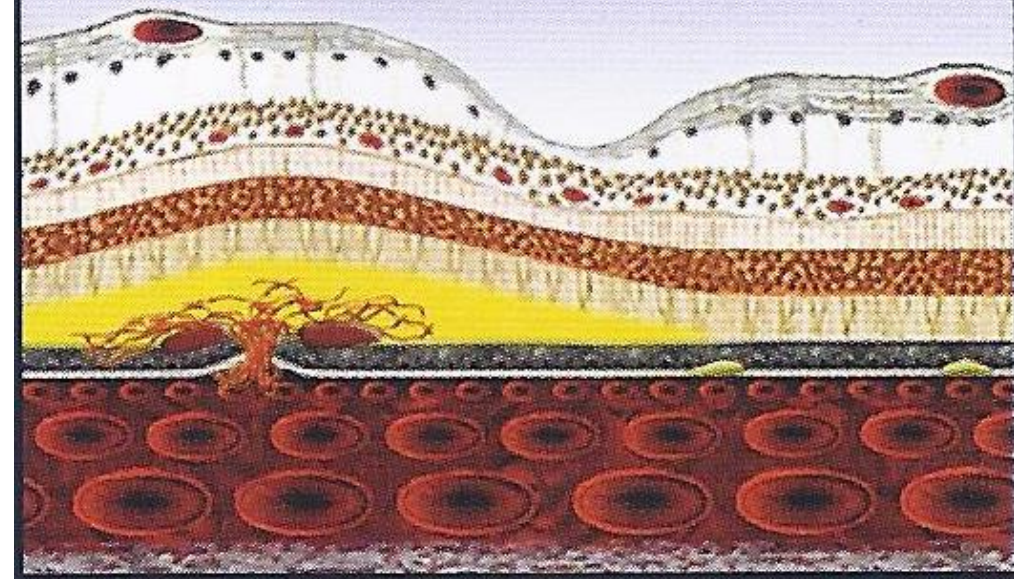




Evolutie naar natte LMD

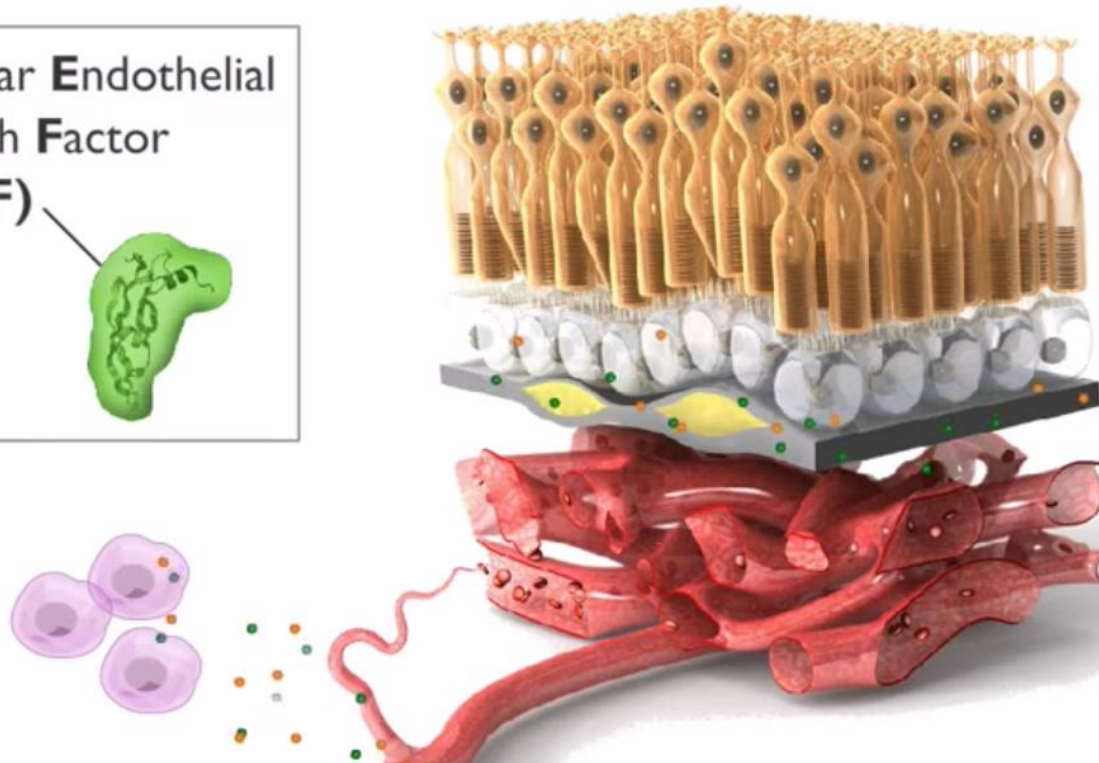


Neovascularization Type 2 (Classic CNV)

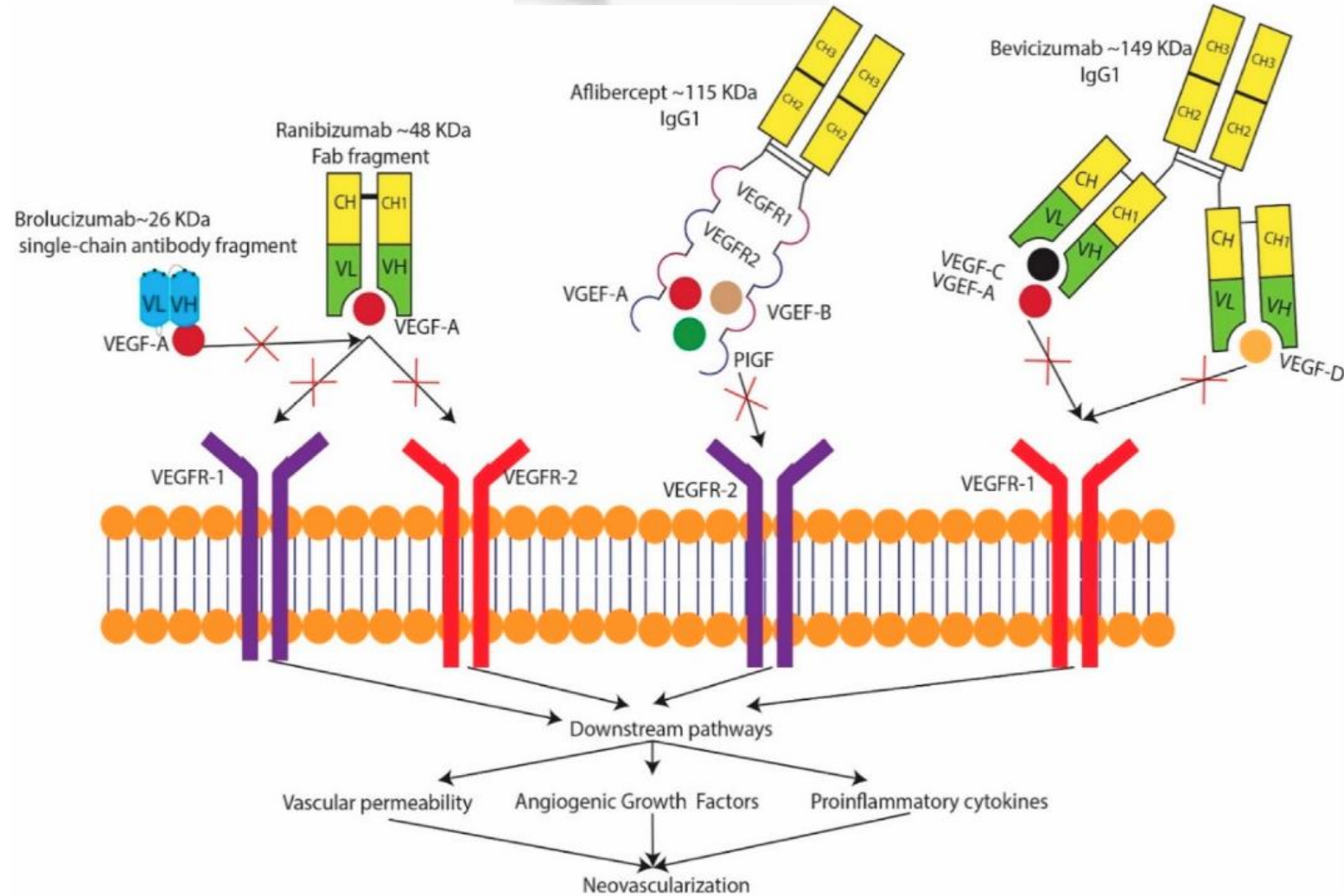


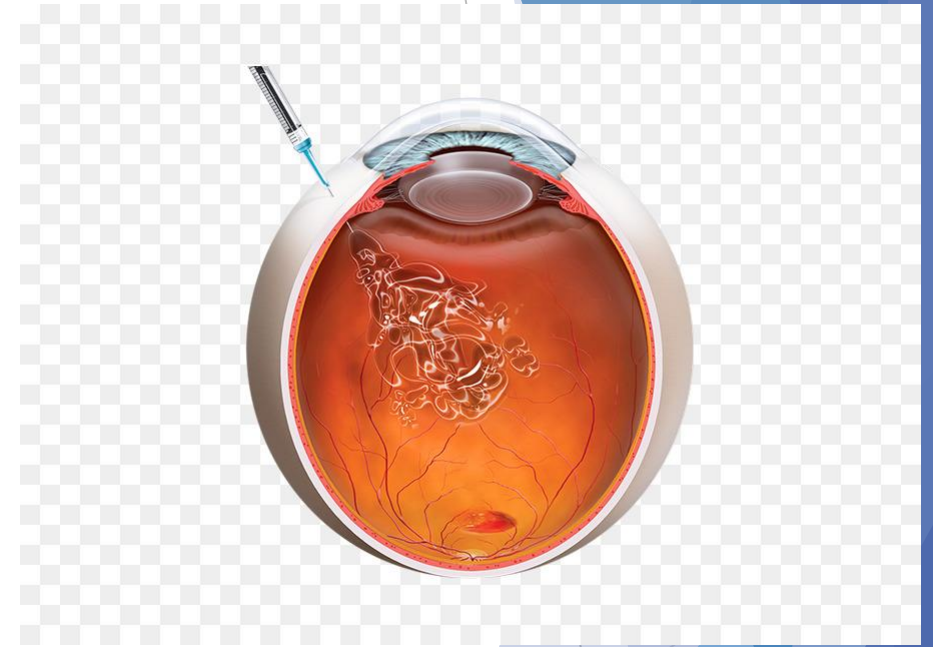
Behandeling ?

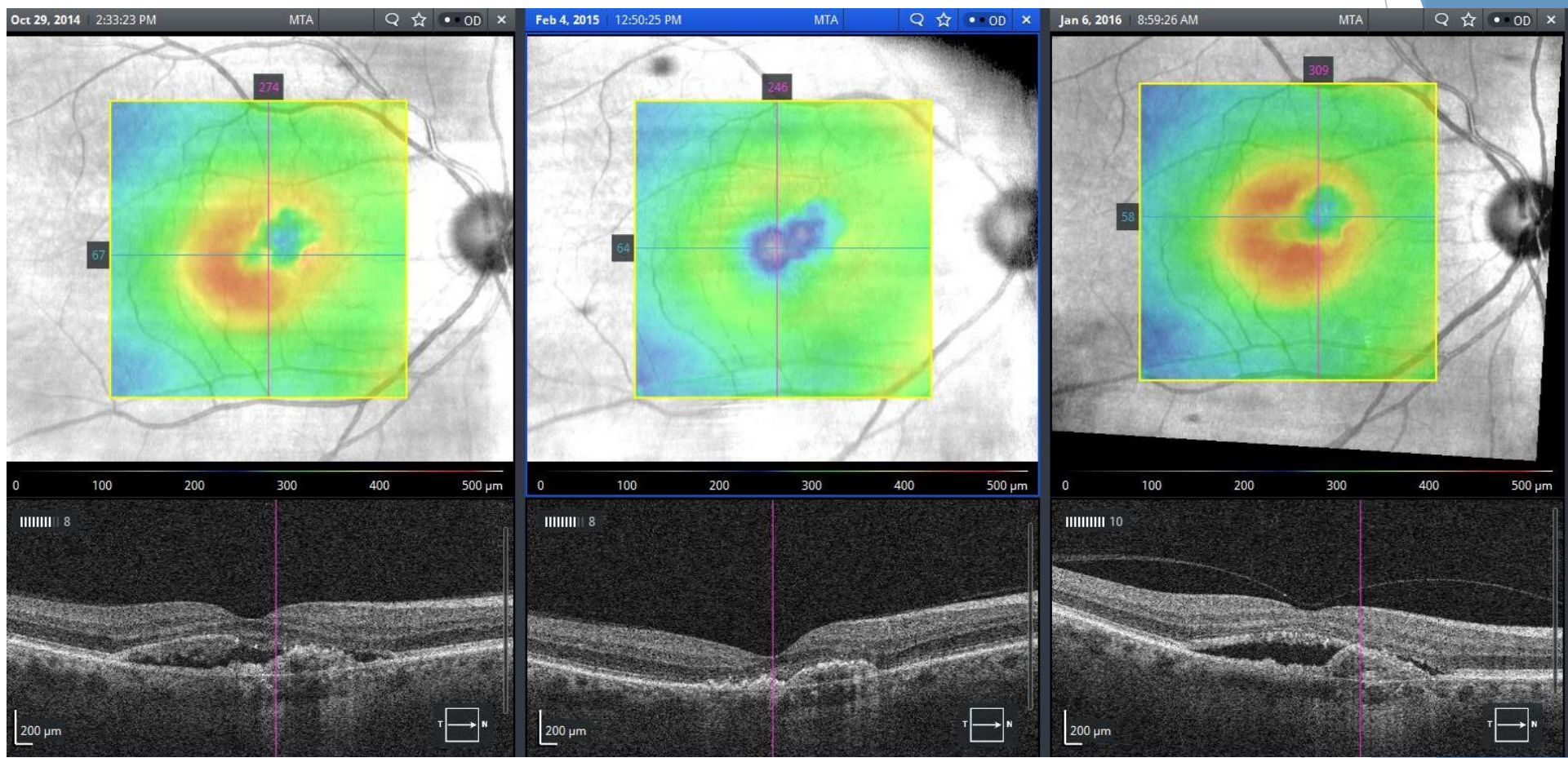
**Vascular Endothelial
Growth Factor
(VEGF)**



The primary growth factor released is called vascular endothelial growth factor (VEGF).

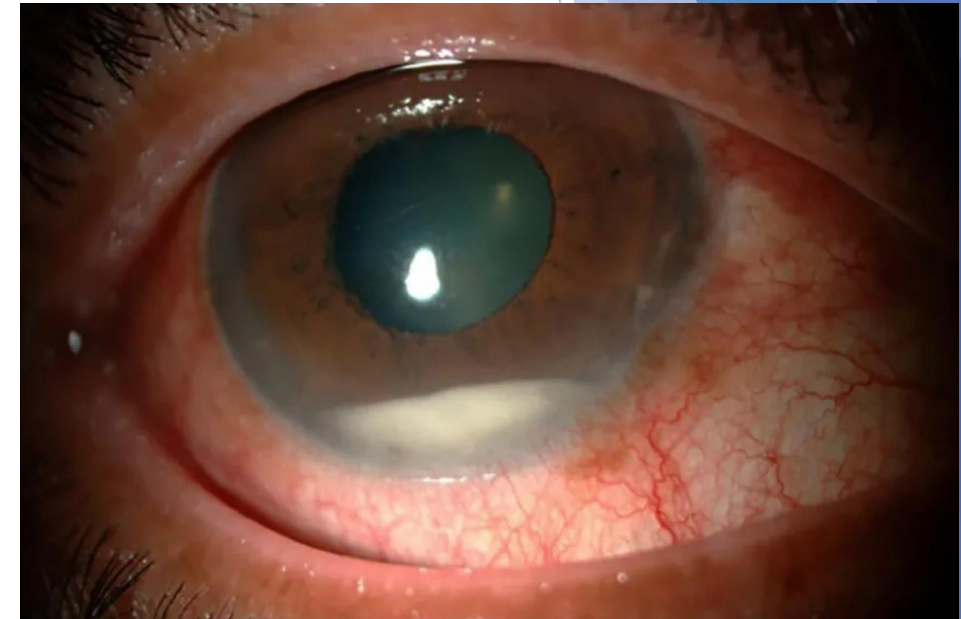


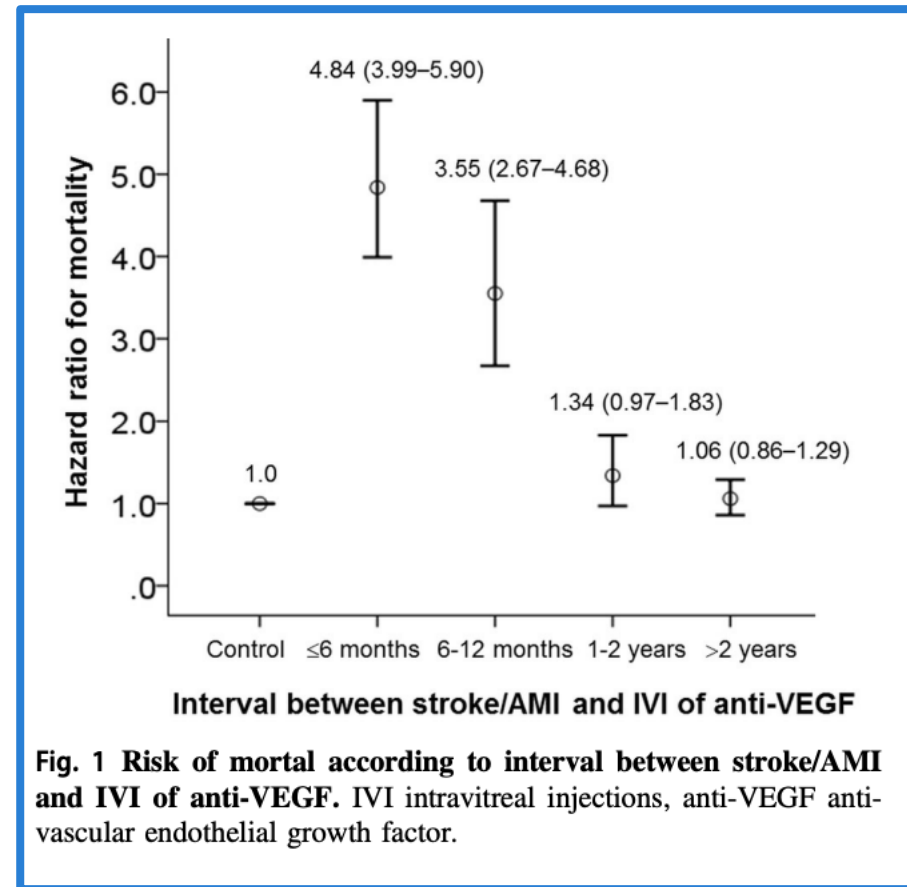




Natte LMD

- ▶ URGENTIE !
- ▶ Snelle behandeling want anders verdere visusdaling
- ▶ Behandeling met intravitreale injecties met anti-VEGF
- ▶ Levenslange behandeling - termijn bepalen afhankelijk van duur respons
- ▶ Risico's : ° endoftalmie/ooginfectie (pijn, rood oog, visusdaling)
° systemische bijwerkingen : beperkt

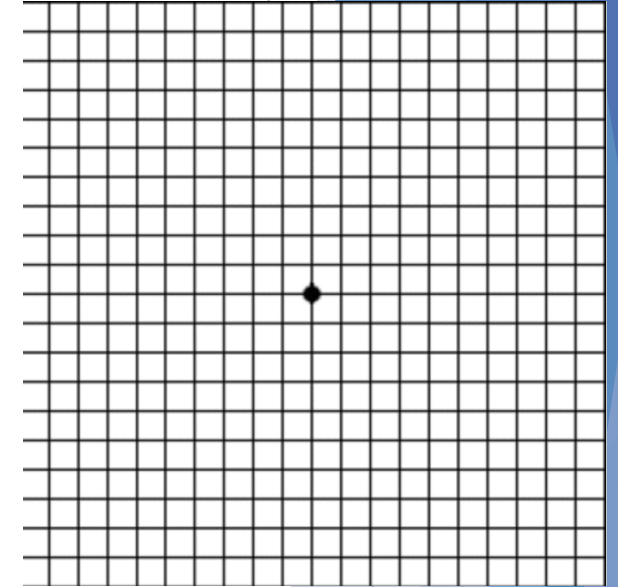




Eye (2022) 36:153-159. Increased mortality after intravitreal injections of anti-VEGF for neovascular AMD among patients with prior stroke or acute myocardial infarction. Yu-Yen Chen et al

Leeftijdsgebonden maculaire degeneratie

- ▶ Het is een veel voorkomende aandoening bij 60+ en de voornaamste oorzaak van blindheid in de westerse wereld.
- ▶ Er zijn 2 vormen:
- ▶ Droge LMD, waarvoor geen behandeling maar wel preventieve maatregelen.
- ▶ Natte LMD, waarvoor wel een behandeling. Natte LMD is een urgentie waarvoor levenslange behandeling nodig is.





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