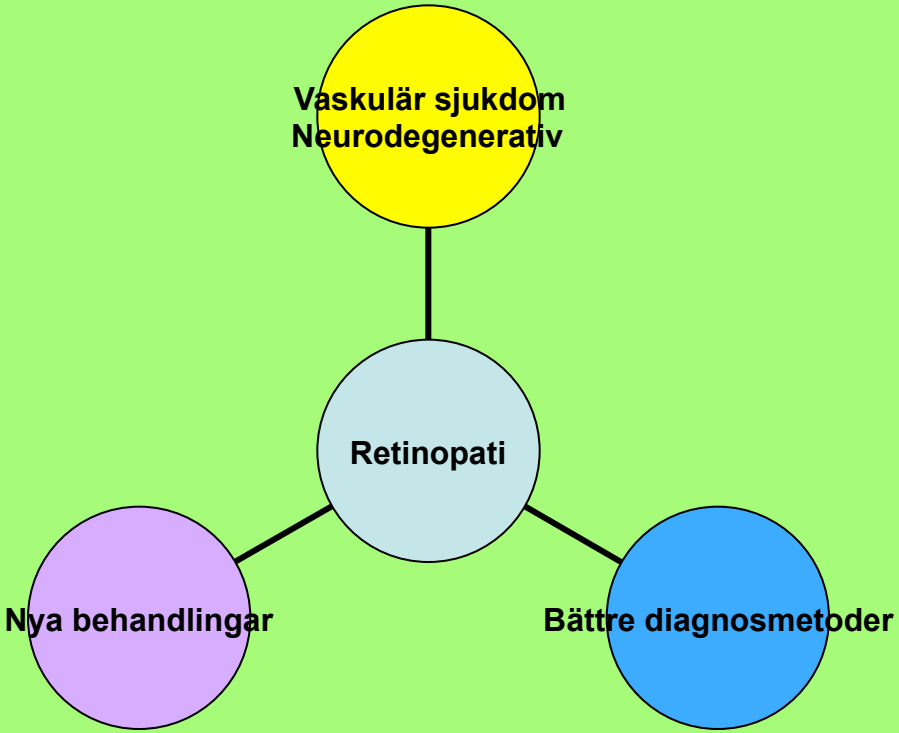
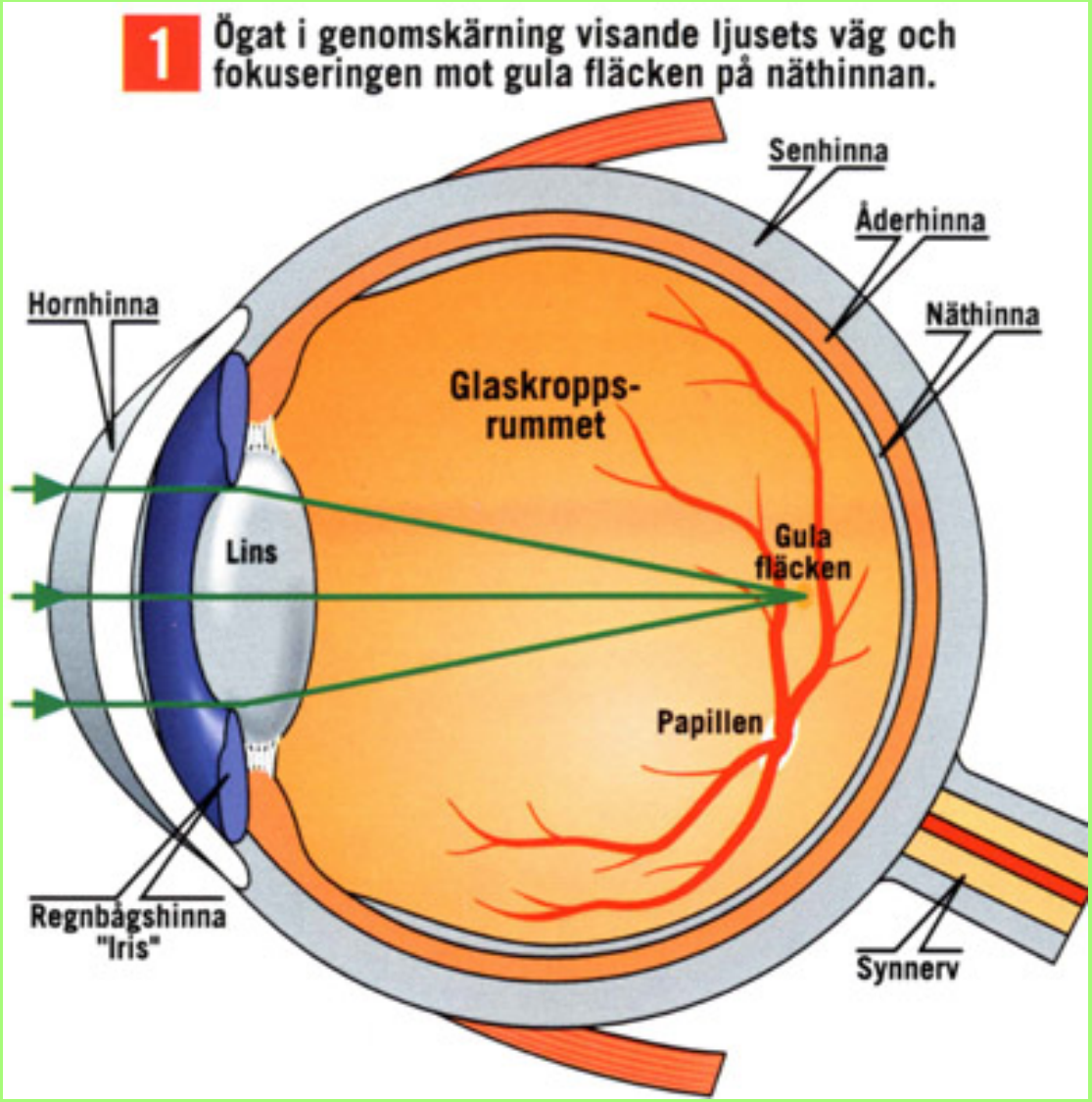
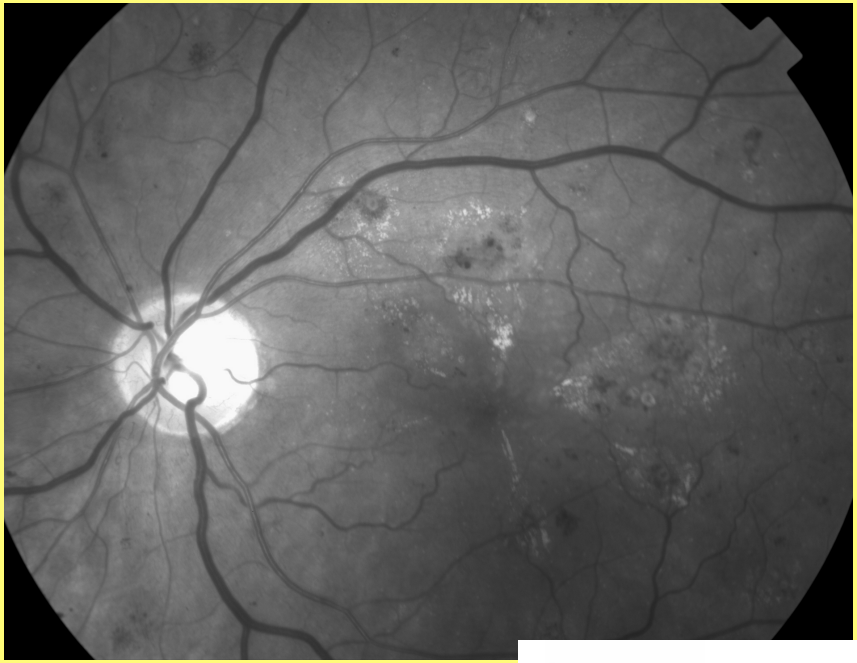
Diabetesretinopati idag-finns det något nytt?



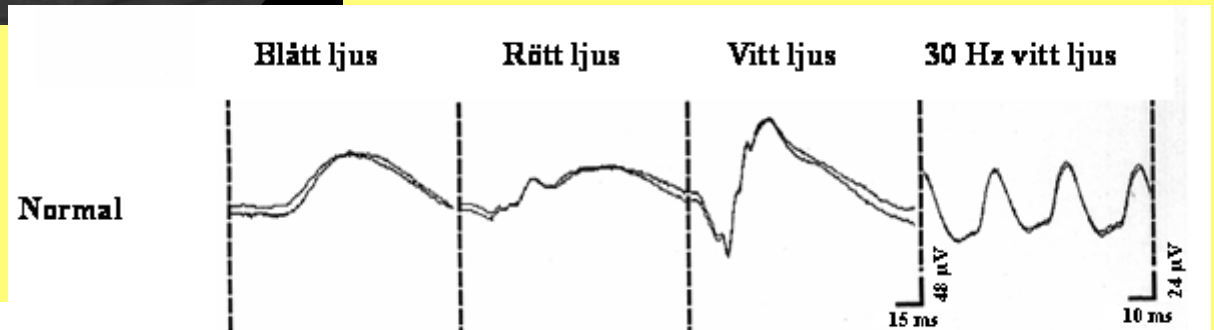

1
Ögat i genomskärning visande ljusets väg och fokuseringen mot gula fläcken på näthinnan.
Senhinna
Åderhinna
Näthinna
Hornhinna
Glaskropps-
rummet
Lins
Gula
fläcken
Papillen
Regnbågshinna
"Iris"
Synnerv

Hur mår syncellerna?

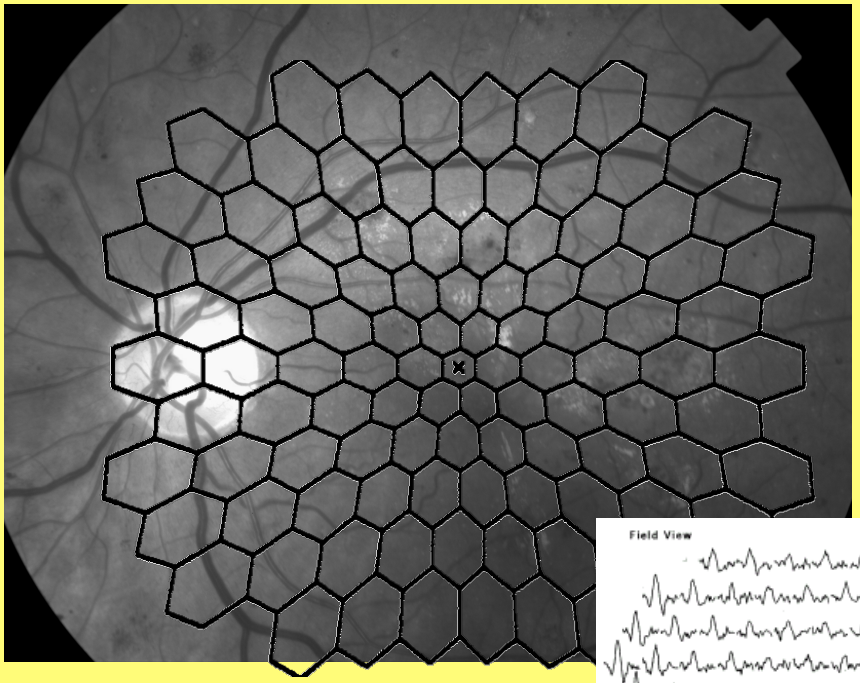
- Vaskulär sjukdom



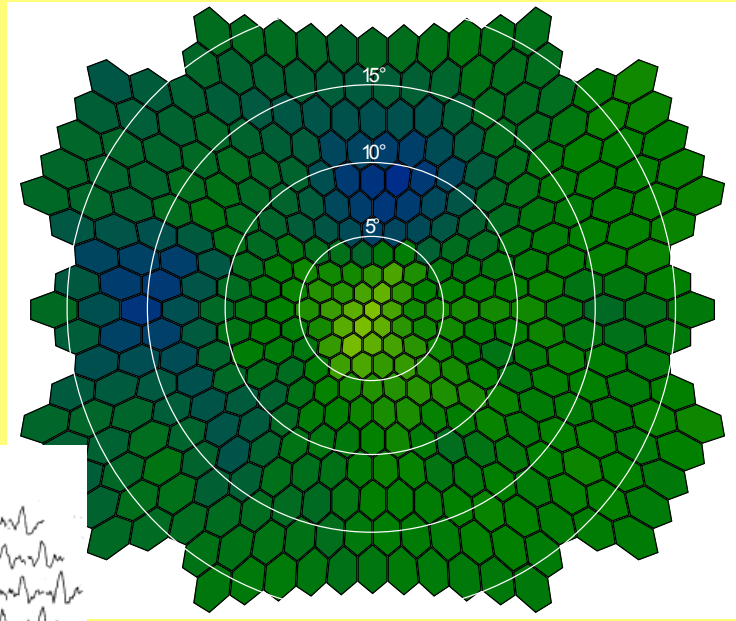
- Neurodegenerativ komponent???

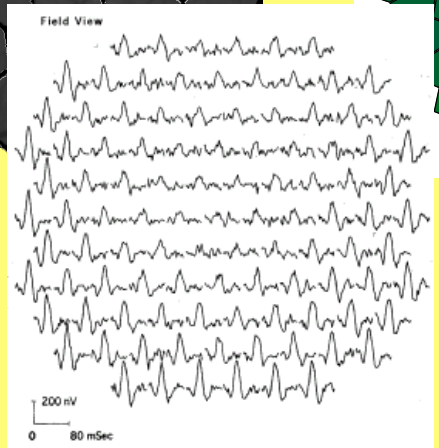


- Vaskulär sjukdom

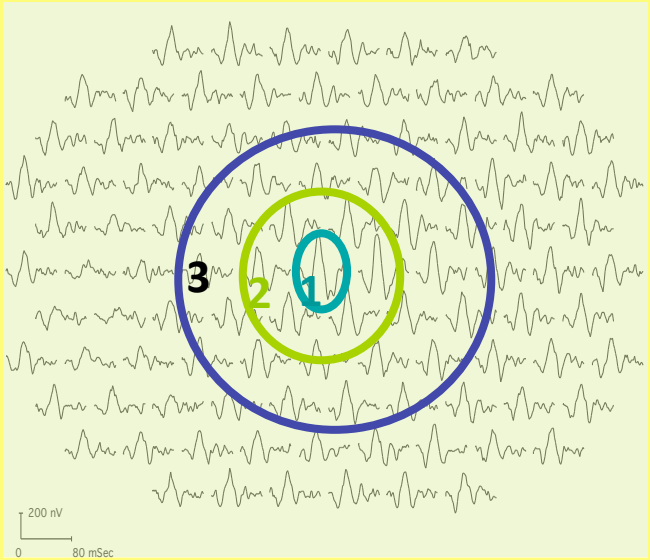


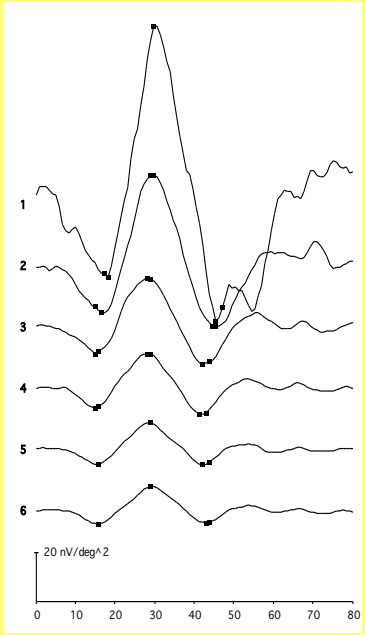
- Neurodegenerativ komponent

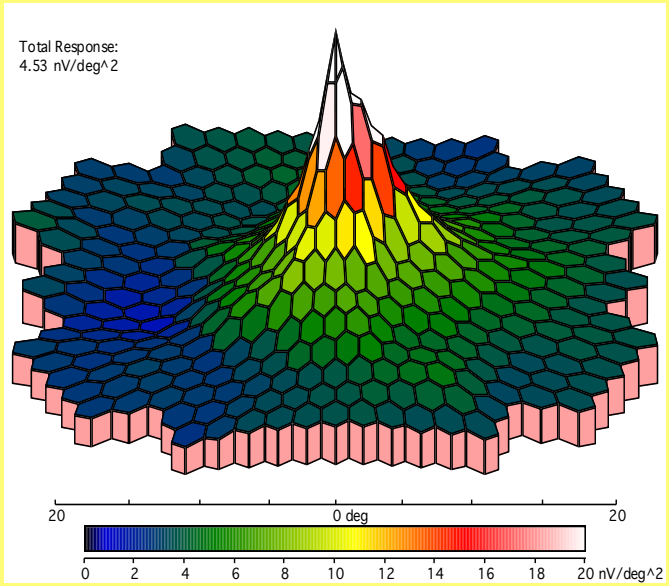




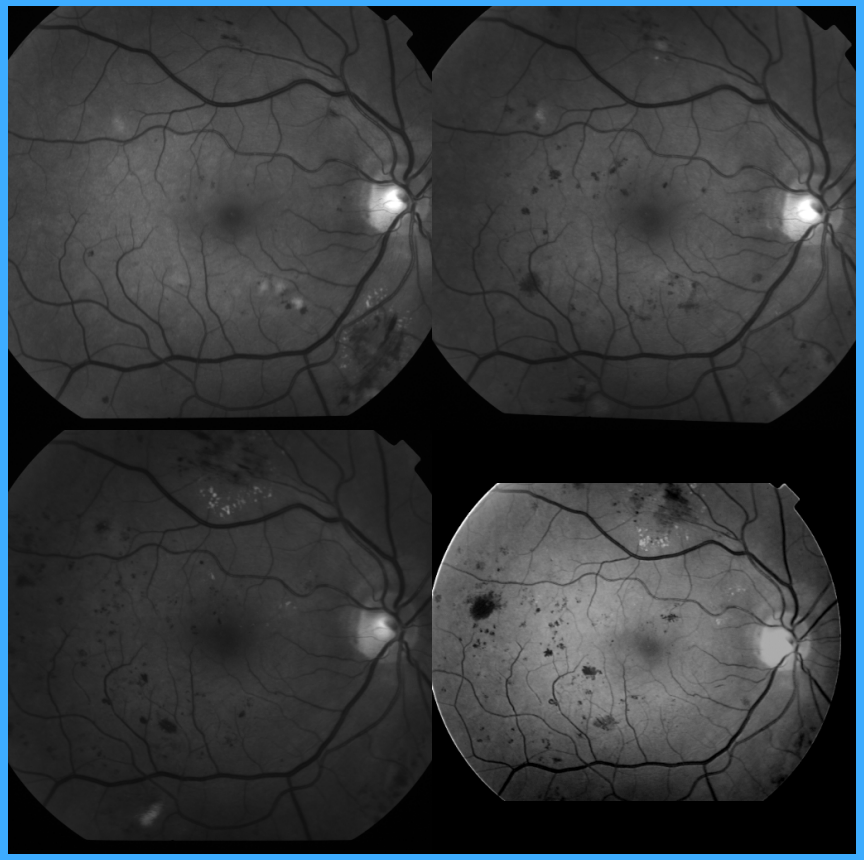
Metod: multifokal ERG



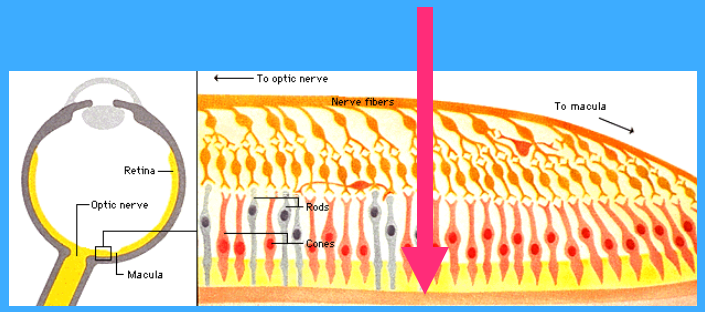


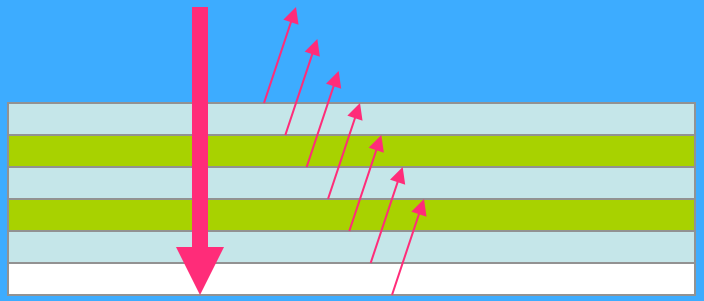


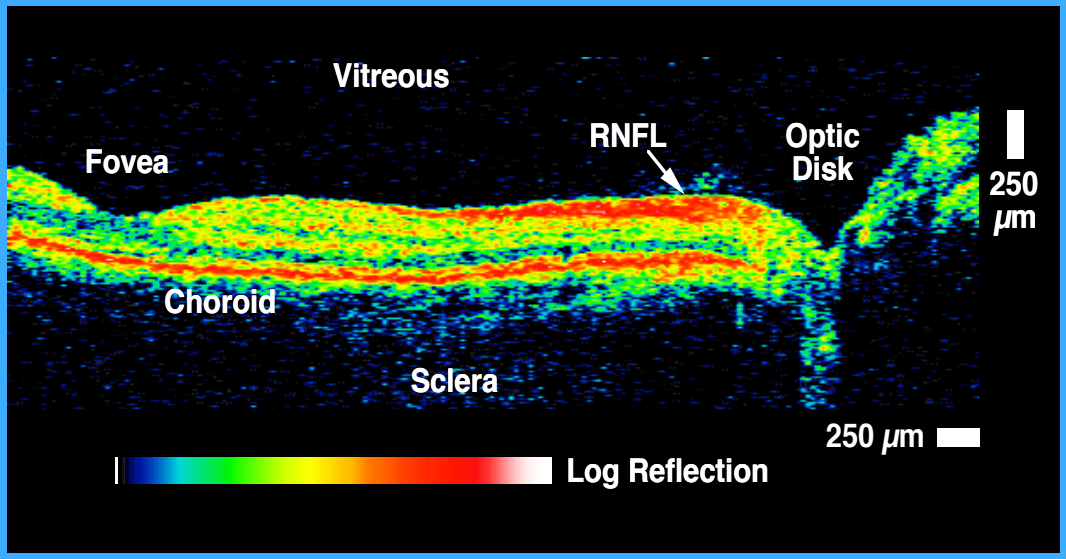
Bättre möjligheter att undersöka retina!



Principle of OCT

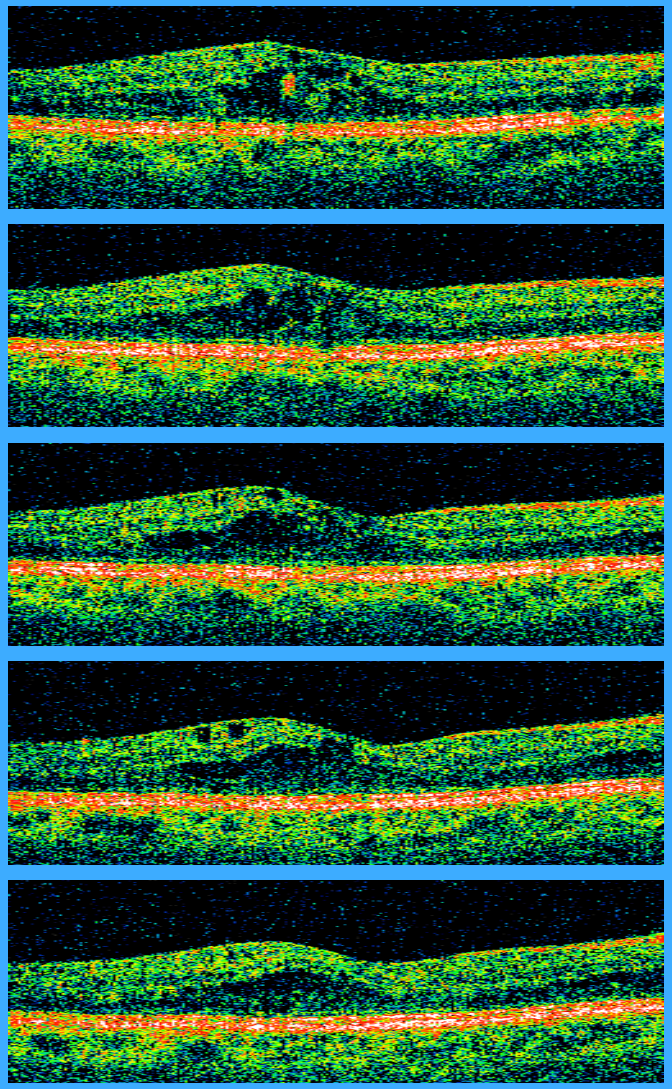


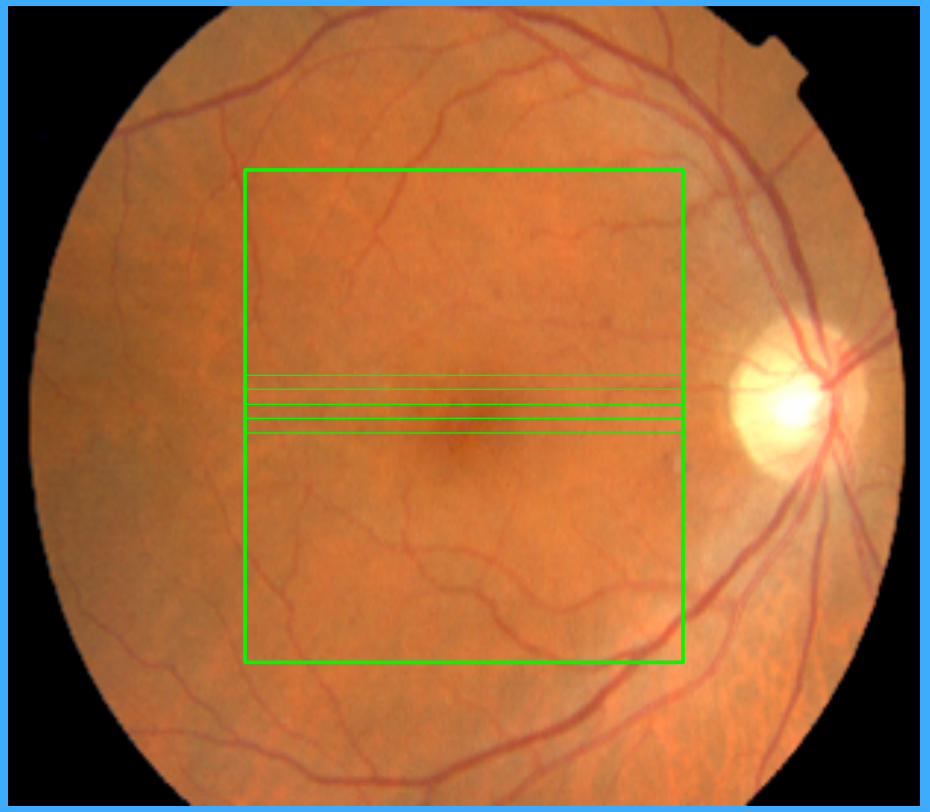


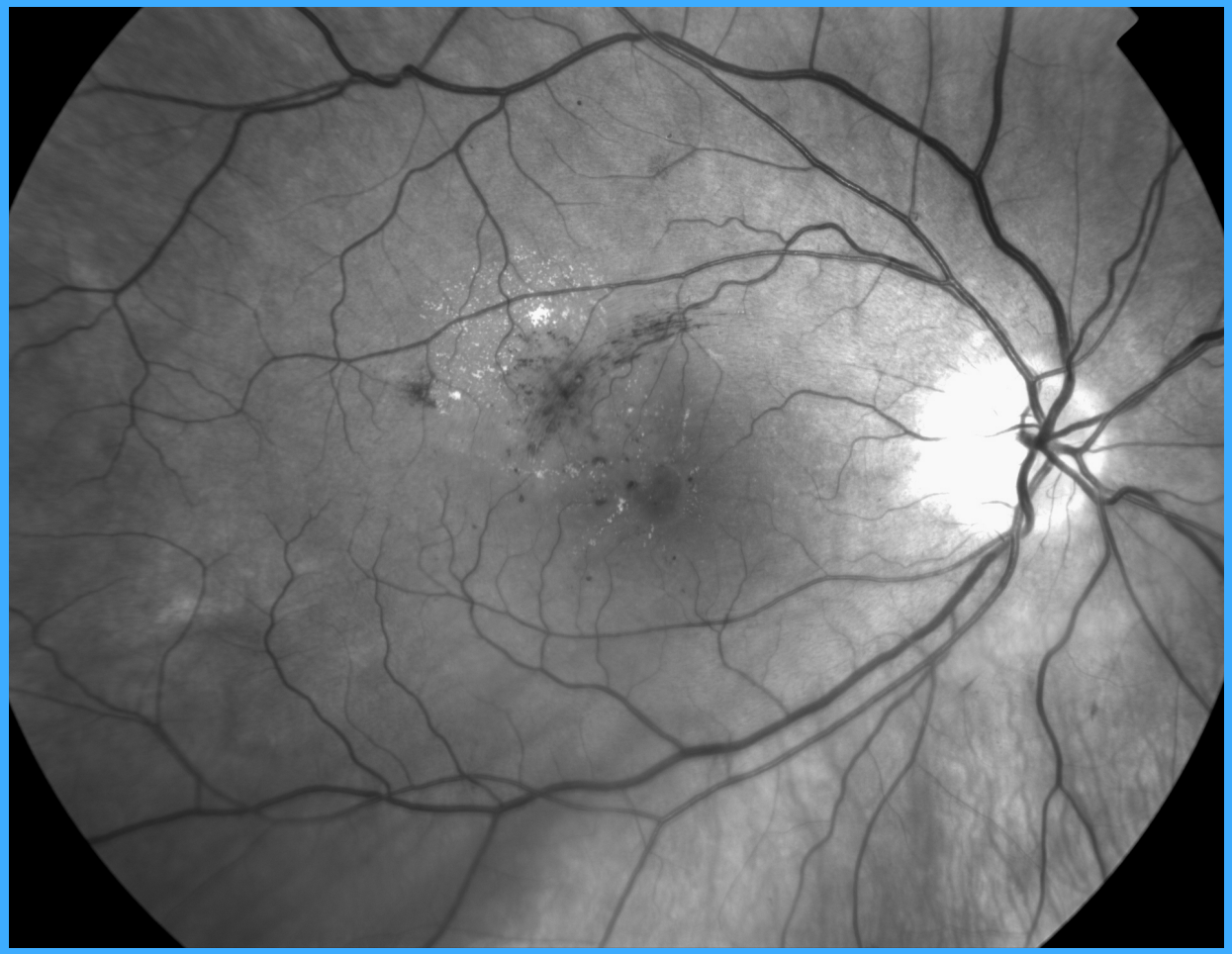


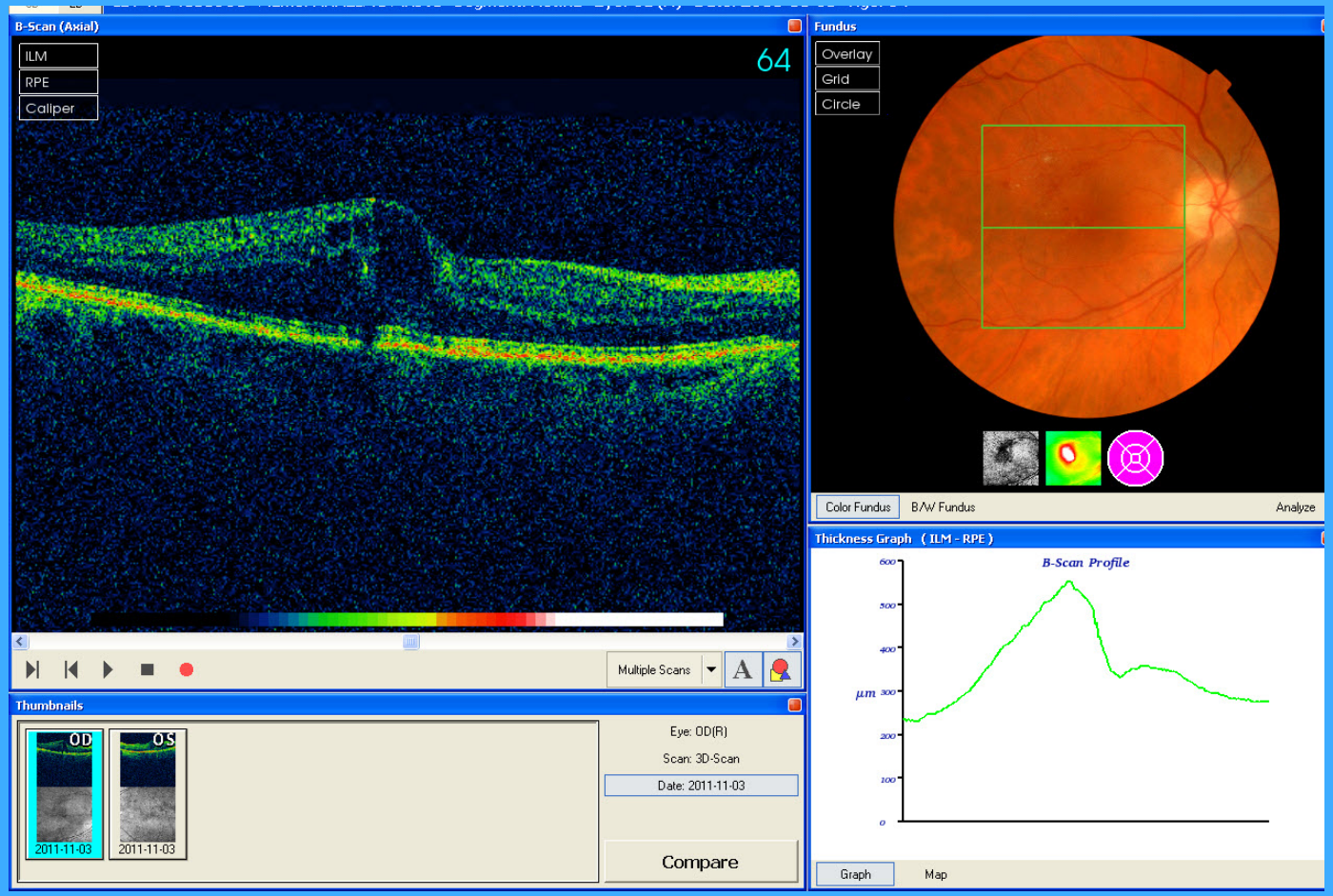
Optical coherence tomography image of the retina

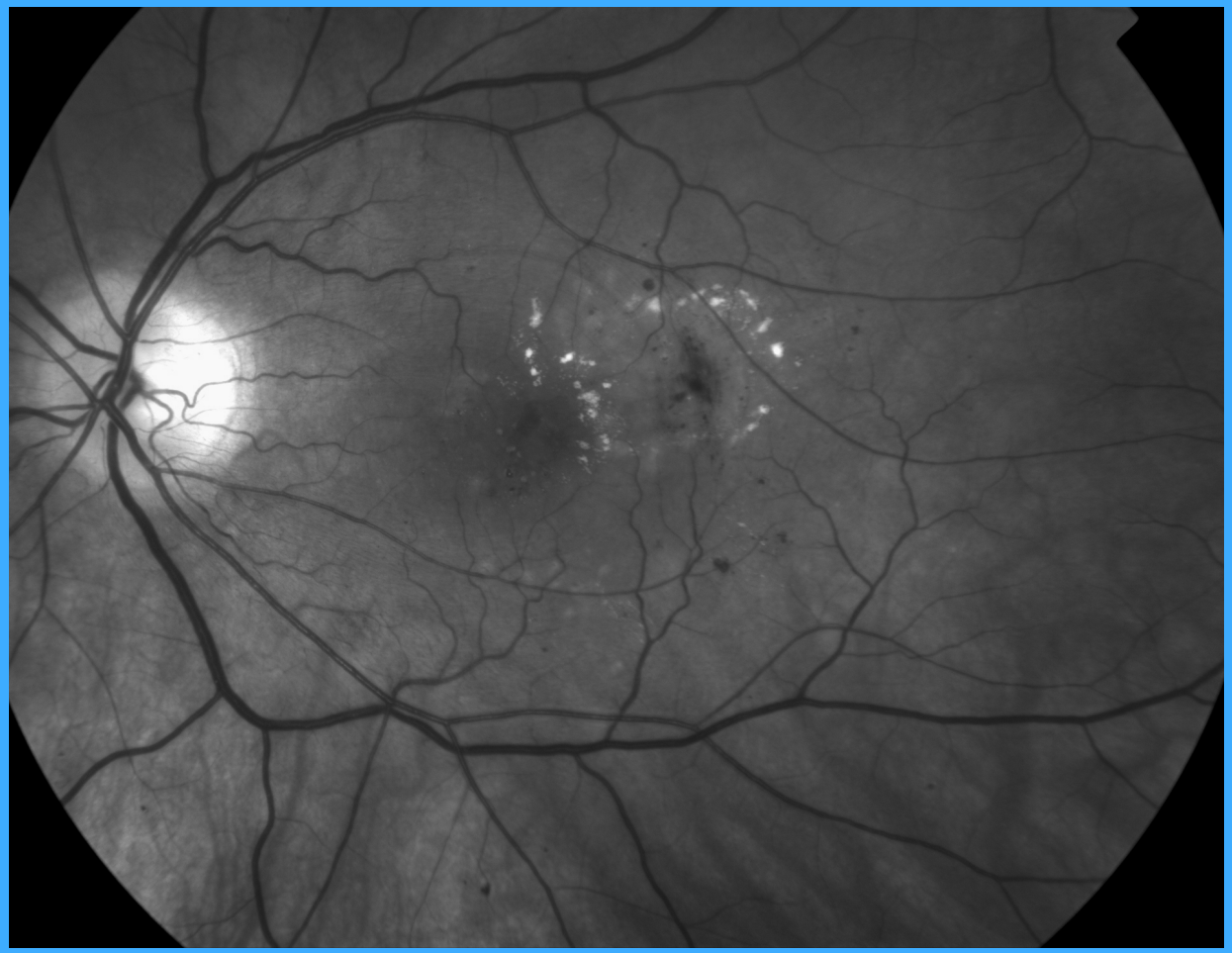
B-scans

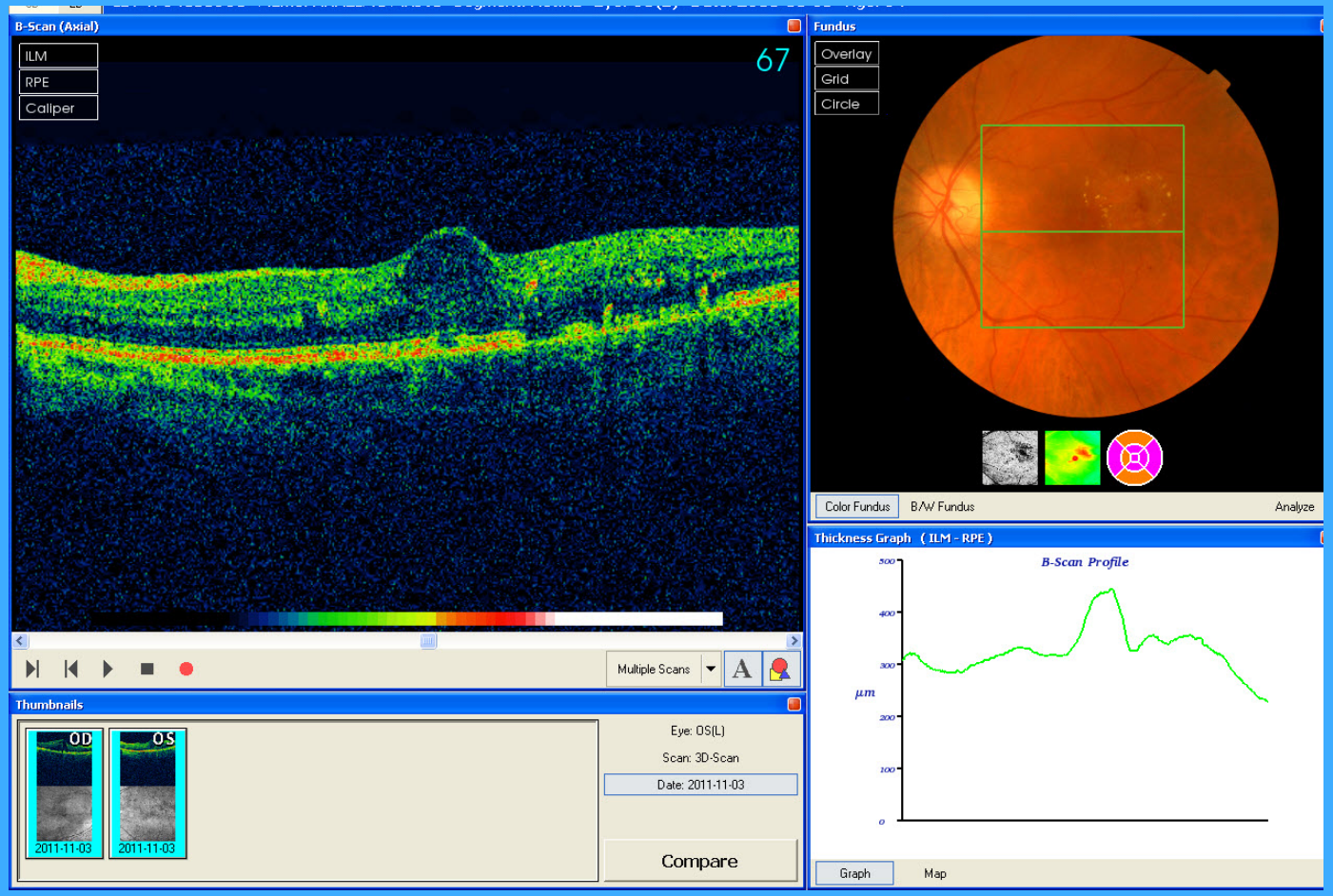




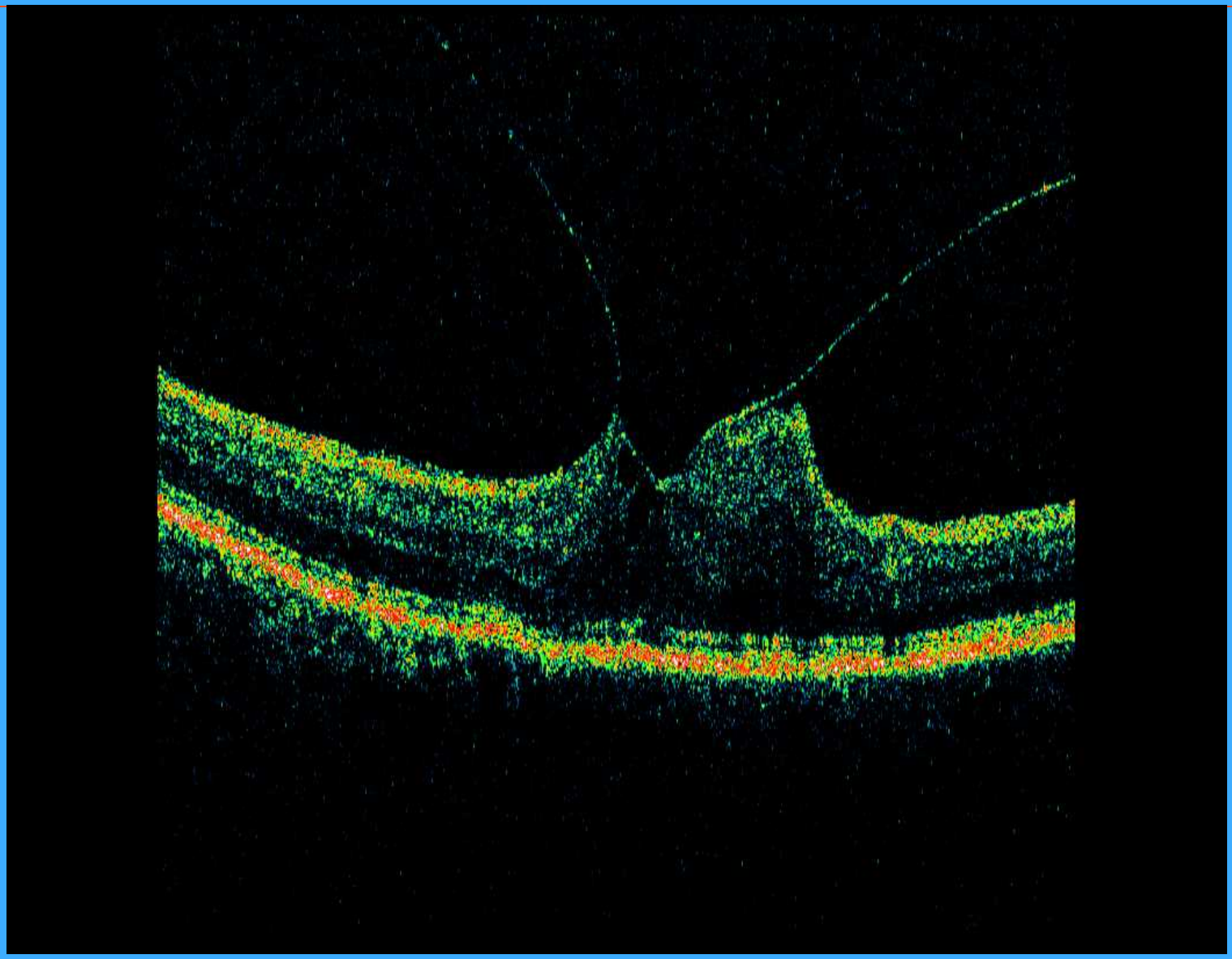



B-Scan (Axial)
ILM
RPE
Caliper
64
Multiple Scans
Fundus
Overlay
Grid
Circle
Color Fundus
B/W Fundus
Analyze
Thickness Graph (ILM - RPE)
B-Scan Profile
600
500
400
µm 300
200
100
0
Graph
Map
Thumbnails
OD
OS
2011-11-03
2011-11-03
Eye: OD(R)
Scan: 3D-Scan
Date: 2011-11-03
Compare

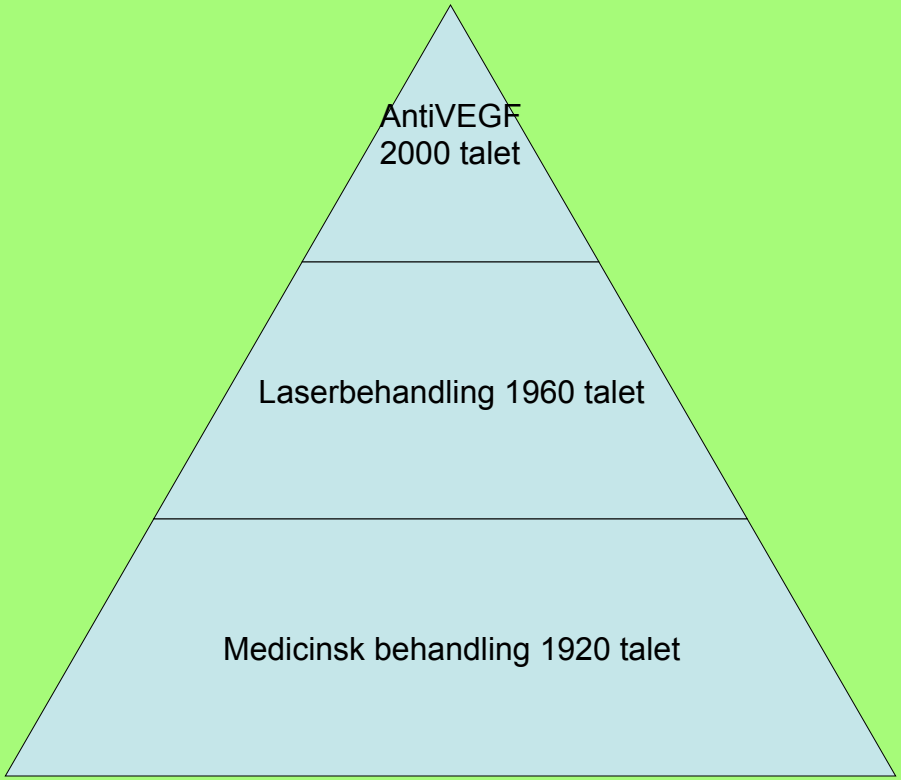



B-Scan (Axial)
ILM
RPE
Caliper
67
Multiple Scans
Fundus
Overlay
Grid
Circle
Color Fundus
B/W Fundus
Analyze
Thickness Graph (ILM - RPE)
B-Scan Profile
500
400
300
200
100
0
µm
Graph
Map
Thumbnails
OD
OS
2011-11-03
2011-11-03
Eye: OS(L)
Scan: 3D-Scan
Date: 2011-11-03
Compare

Traktions ödem



Hur behandla diabetesretinopati?



Linköping studie

- Minskande incidens av svår retinopati (laserkrävande) över de senaste 5 decennierna hos pat med 25-30 års duration.

- Efter 25 år
- 1961-65; 47%
- 1966-70 28%
- 1971-75; 24%
- Efter 30 år
- 1961-65 53%
- 1966-70; 44%

- **Authors**: Nordwall, M.; Bojestig, M.; Arnqvist, H. J.; Ludvigsson, J. **Journal**: Diabetologia **Year**: 2004 **Volume**: 47 **Issue**: 7 **Pages**: 1266-1272 **Provider**

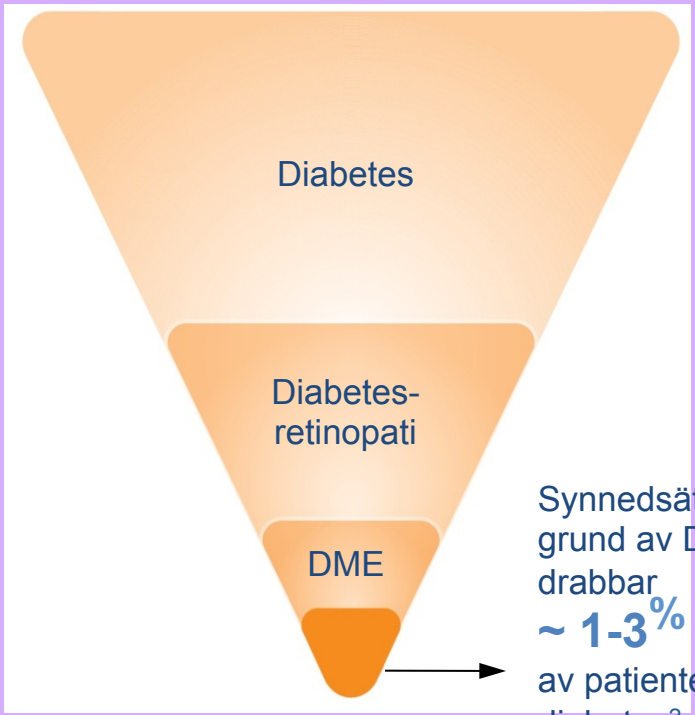
Behandling

- God metabolisk kontroll
- Antihypertension
- Laserbehandling
- Anti VEGF?

DME kan leda till synnedsättning

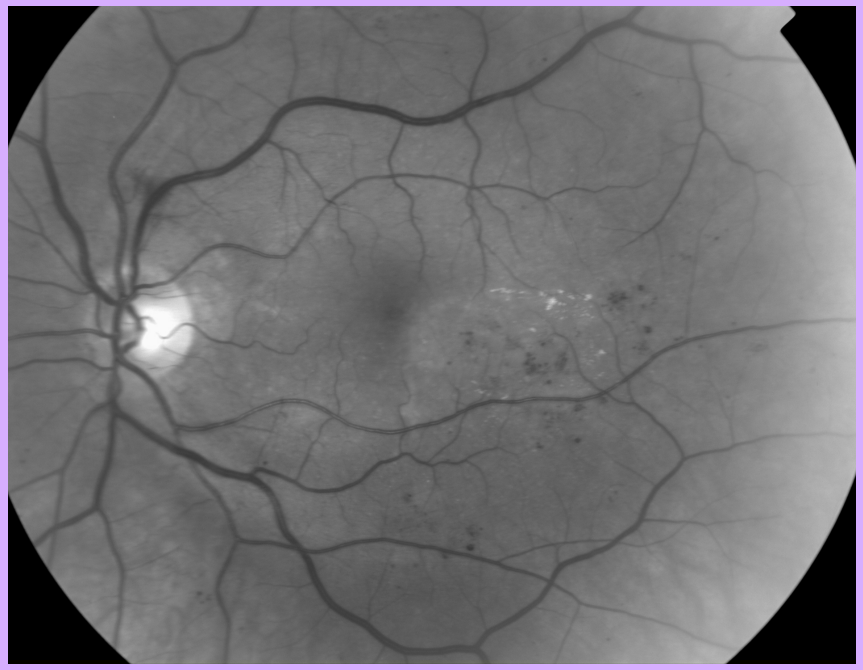
Diabetesretinopati, kan leda till makulaödem (DME) med synnedsättning, vilket är en betydande orsak till blindhet hos personer i arbetsför ålder[1]

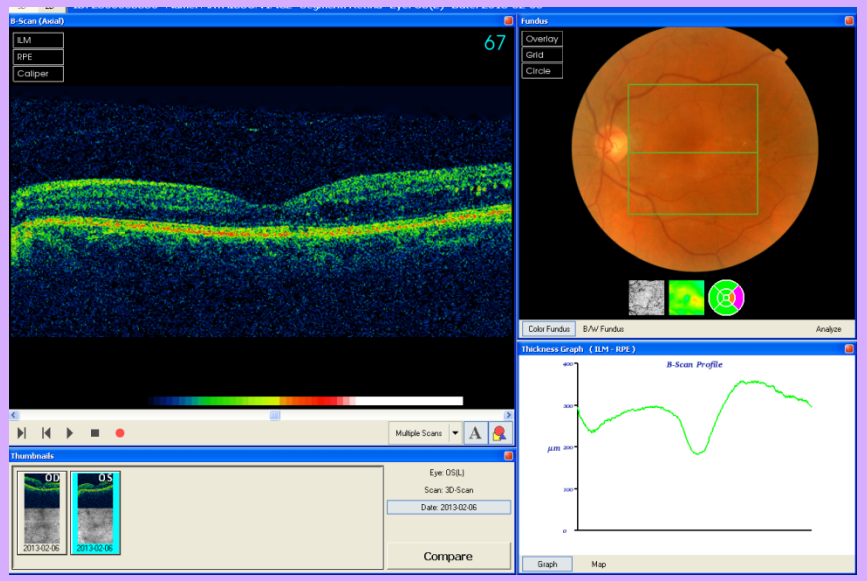
Den vanligaste orsaken till synpåverkan vid diabetes är ödem och hårda exudat i makularegionen, som i avancerade fall kan leda till mycket kraftig synnedsättning och social blindhet (synskärpa <= 0,1)[3]



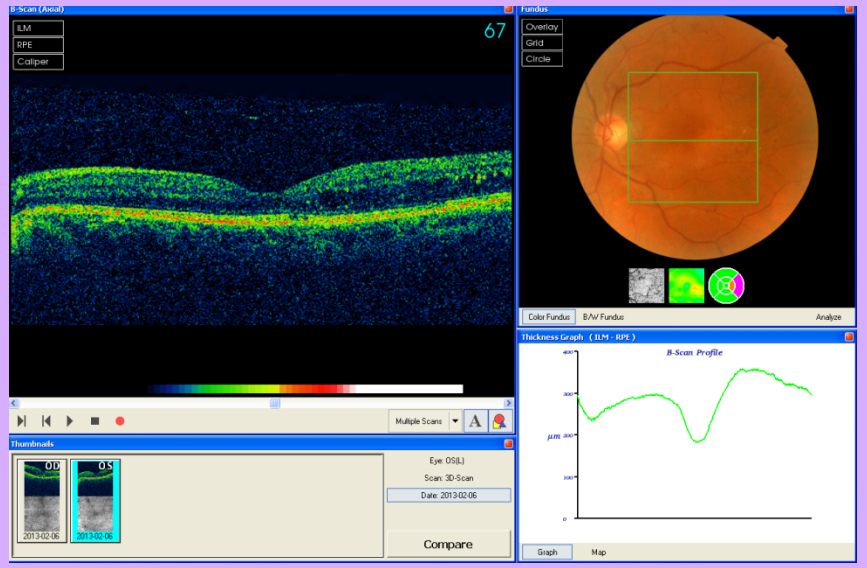
Ref. 1. Chou et al. Eye. 2009;23:1360-1363.
2. Current Medical Research & Opinion Vol. 26, No. 7, 2010, 1587–1597
3. State of the Art Diabetesretinopati okt 2004, www.swedeye.org

Detta går att laserbehandla

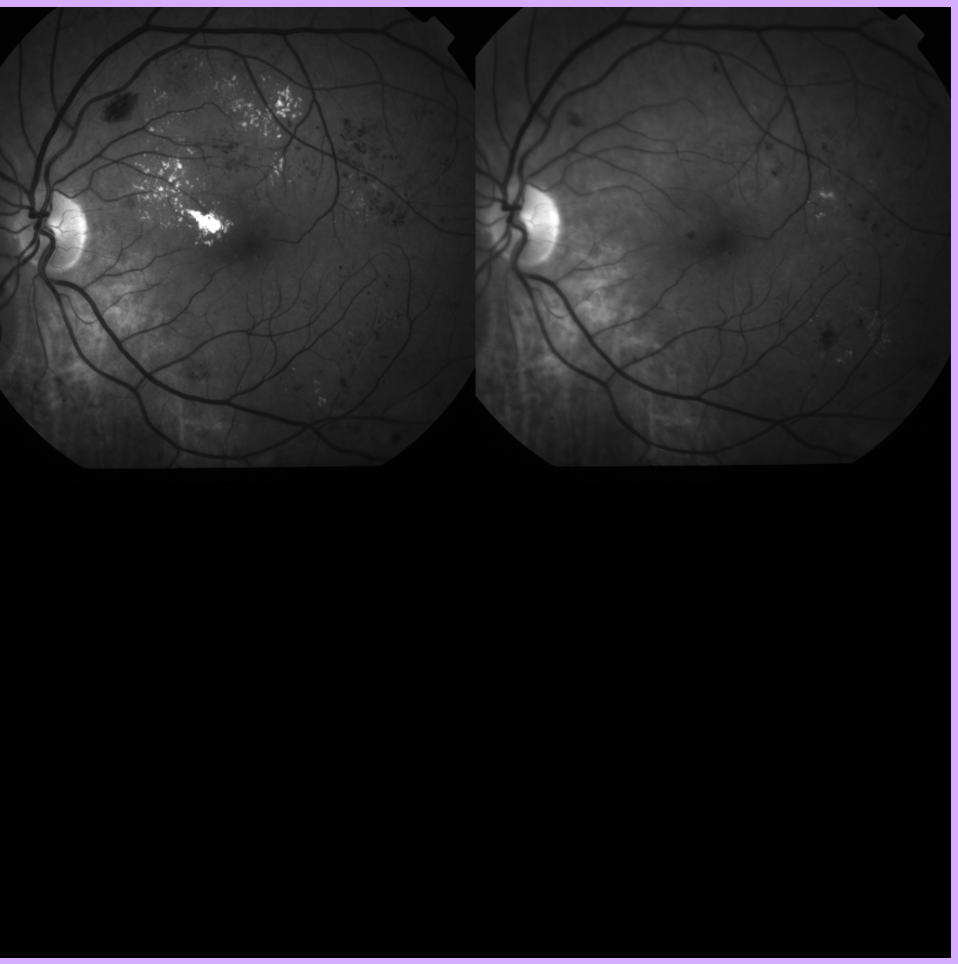




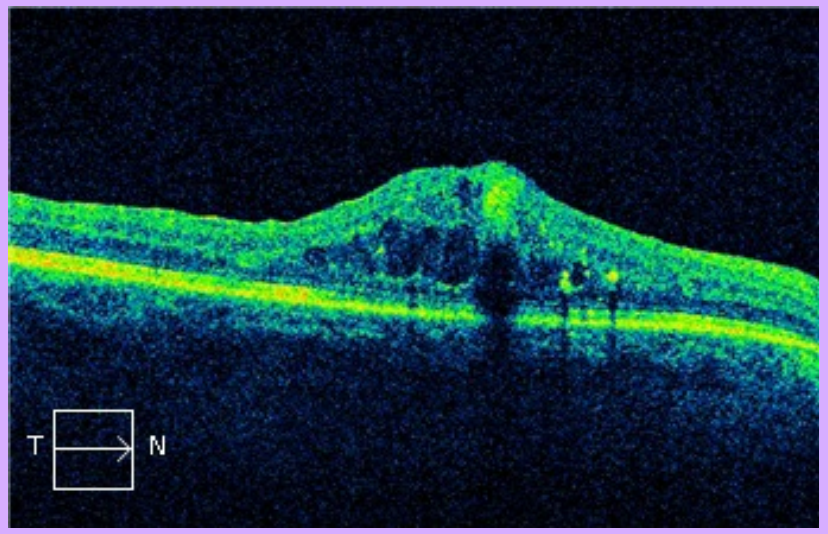
Detta går att laserbehandla

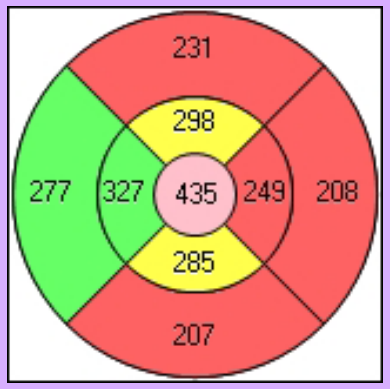


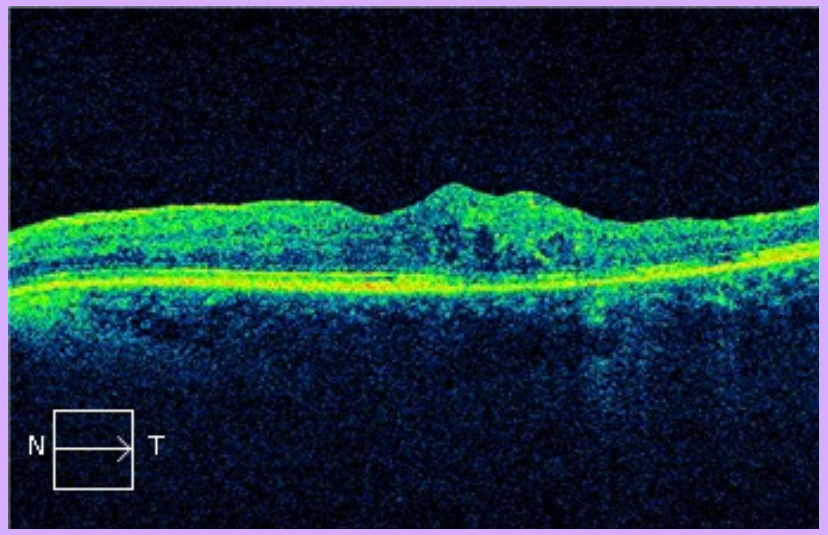
Laser fortfarande effektivt

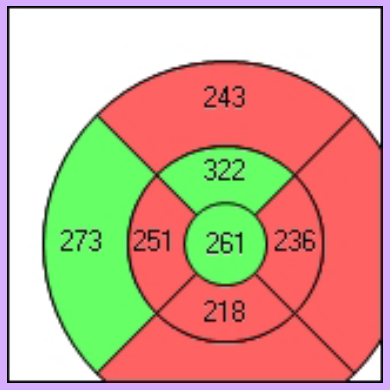


Effektivt på ödemet!



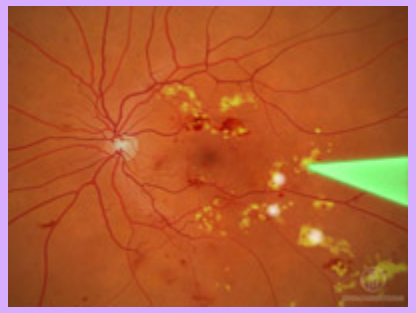




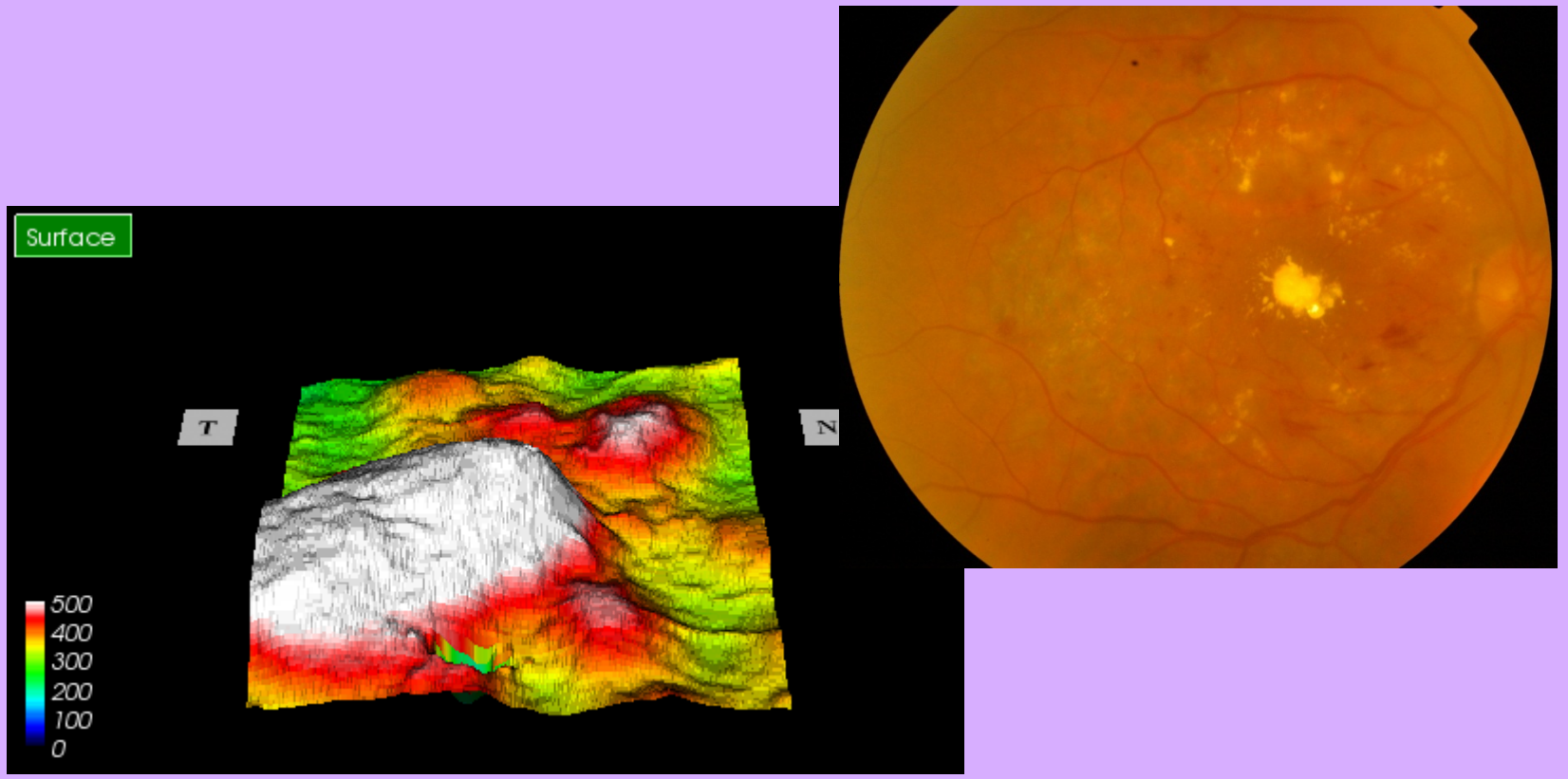


Laserbehandling

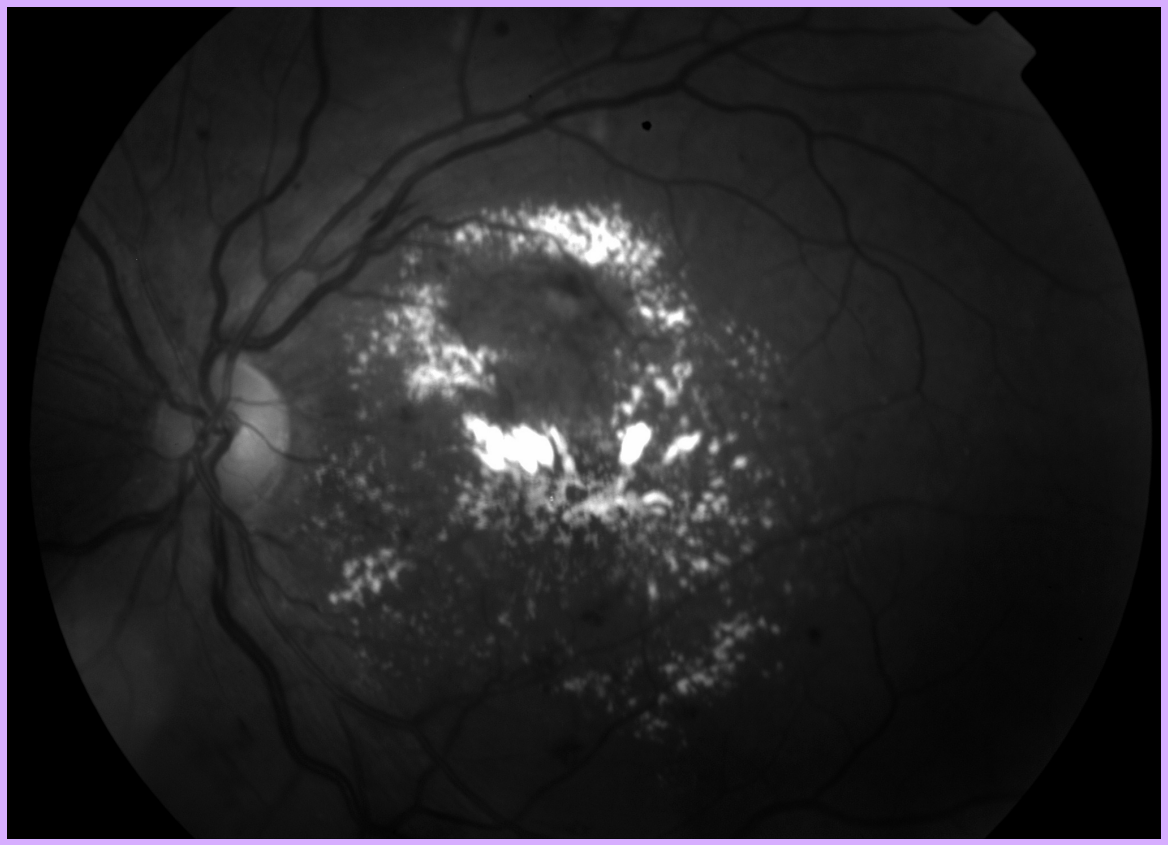
- Minskar synförlust med ca 50%
- Visusförbättring ses hos ca16%



När finns det indikation för anti-VEGF behandling?

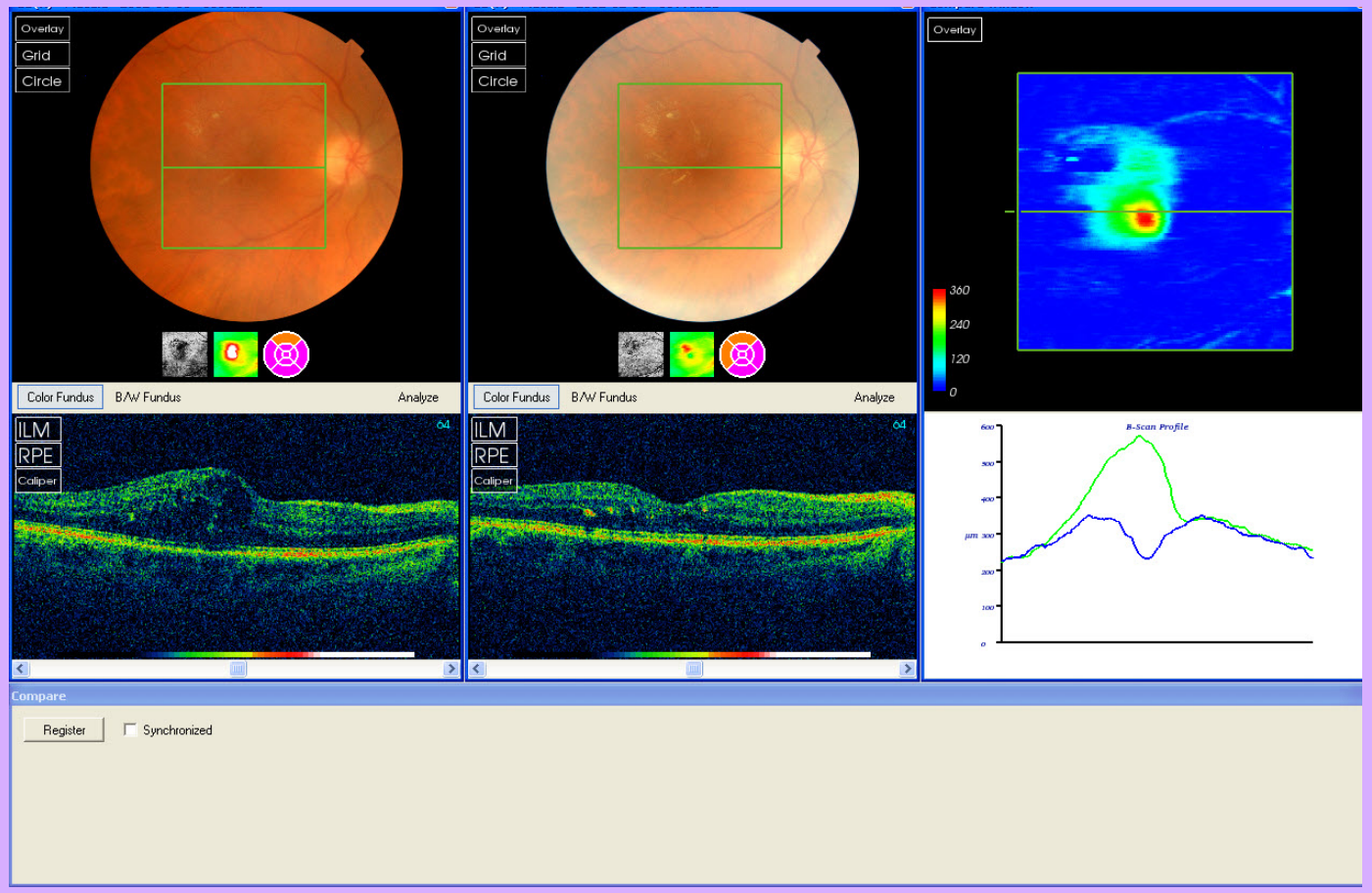


Uttalat centralt maculaödem

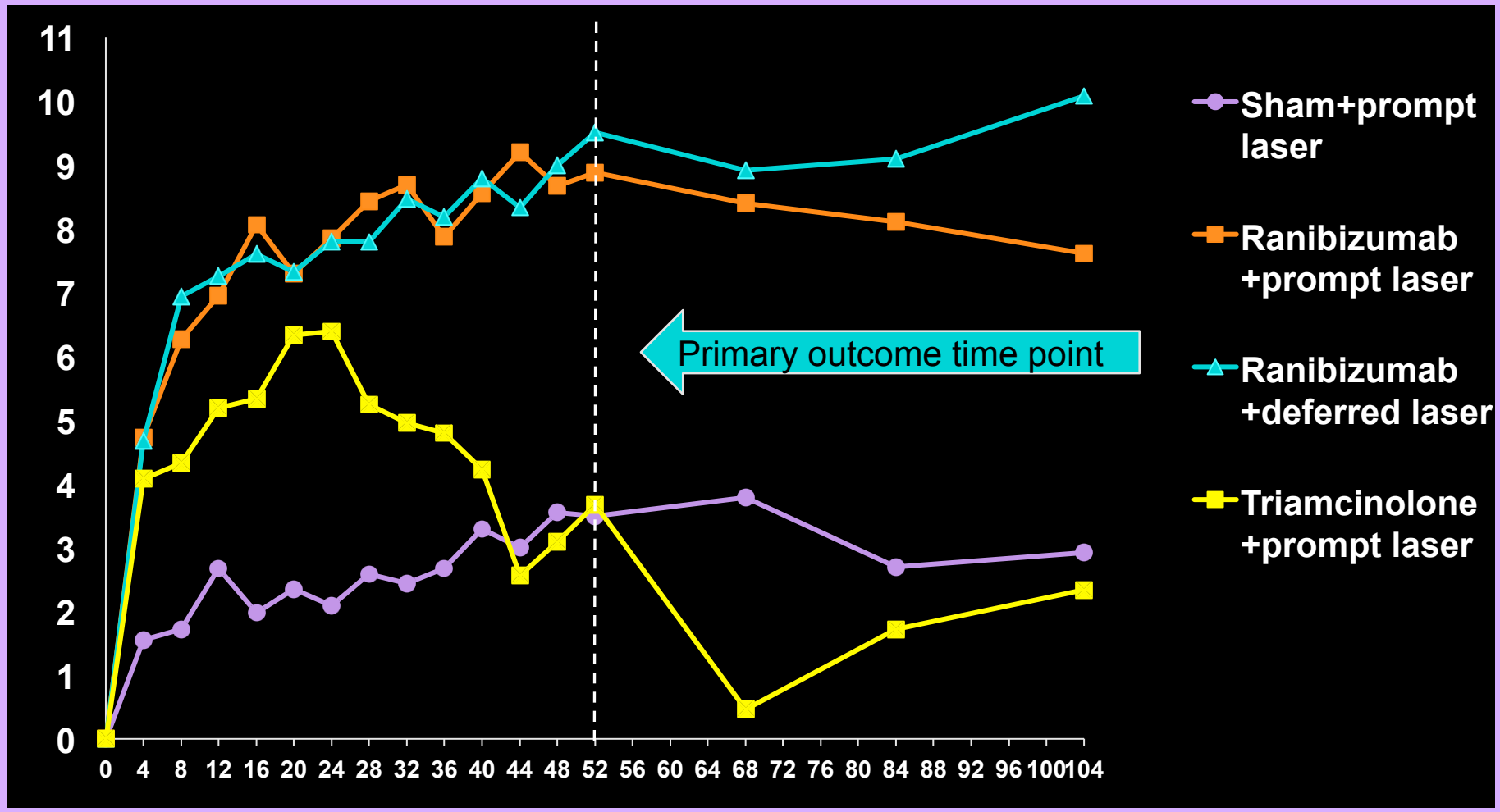


Intravitreala injektioner

Före/efter Lucentis injektion



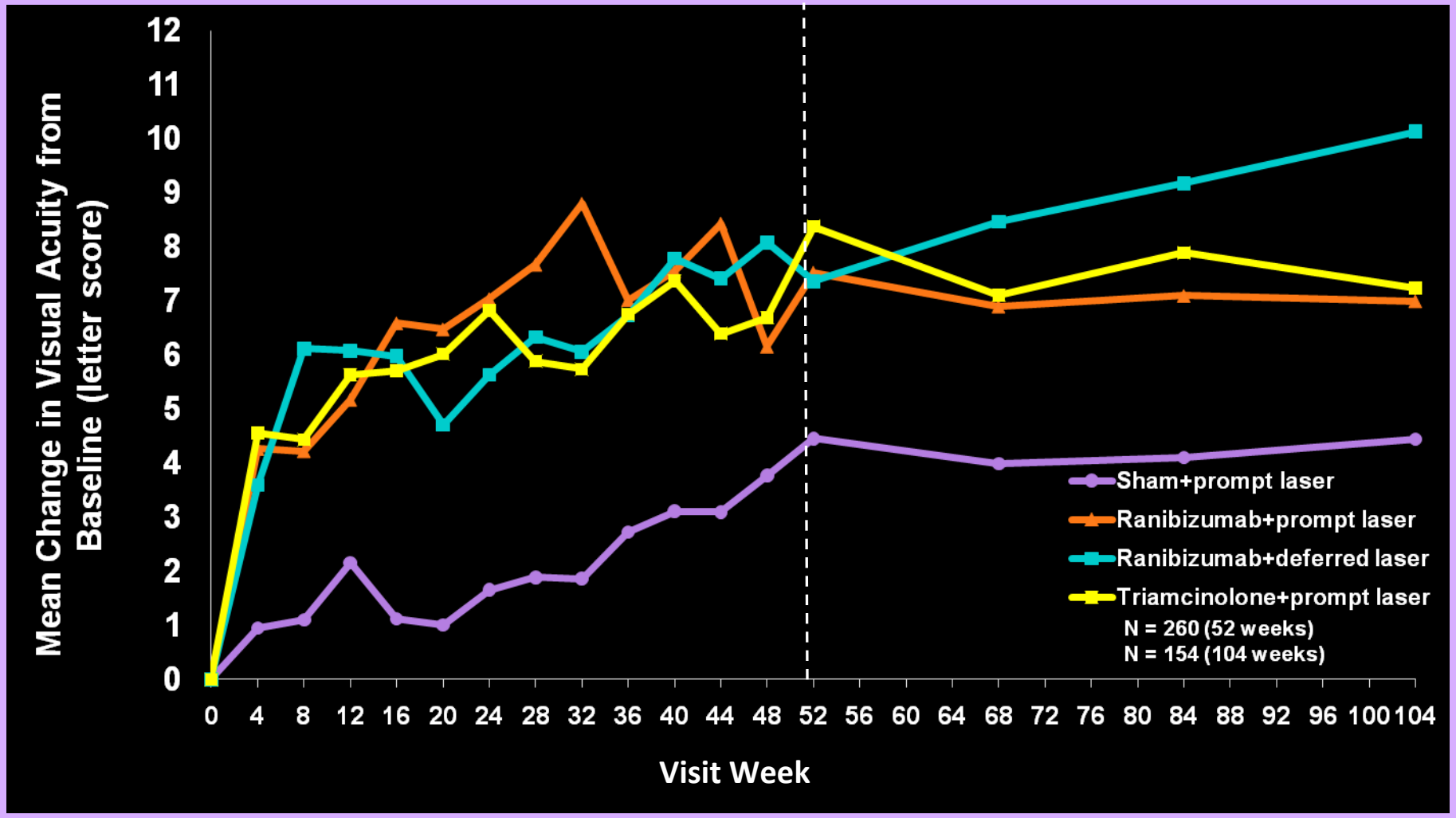
Mean Change in Visual Acuity* at Follow-up Visits



* Values that were ±30 letters were assigned a value of 30

P-values for difference in mean change in visual acuity from sham+prompt laser at the 52-week visit: ranibizumab+prompt laser <0.001; ranibizumab+deferred laser <0.001; and triamcinolone+prompt laser=0.31.

Mean Change in Visual Acuity at Follow-up Visits among Eyes that were Pseudophakic at Baseline*



* Values that were ±30 letters were assigned a value of 30

Fall

- 72 årig man
- Diabetes sedan 1982
- Insulinbehandlad
- HbA1c kring 7
- Bltr ok

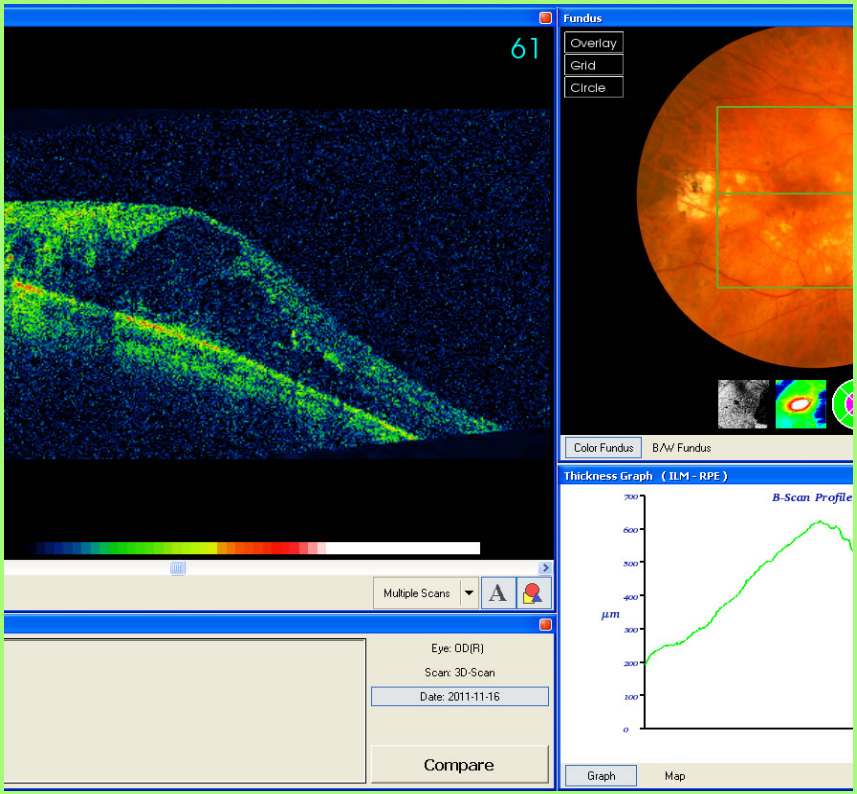
Ögonen nov 2011

- Hö
- Laserbehandlad
- Visus 0.3; Lix 8p

- Vä
- Laserbehandlad
- Visus 0.7; 4 p

2012

Jan; visus 0.25;Lix 7pktr



Dec. visus 0.4