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Neurology survival guide for ECOs

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Case study 1

- 20 year old female
- PC: Routine, here because sister is an optom student
- Doesn't wear glasses, frontal headaches worse towards end of day, better with sleep
- FOH,POH,GH: unremarkable (-)med/allergies
- VT: 2nd year uni student

Case study 1

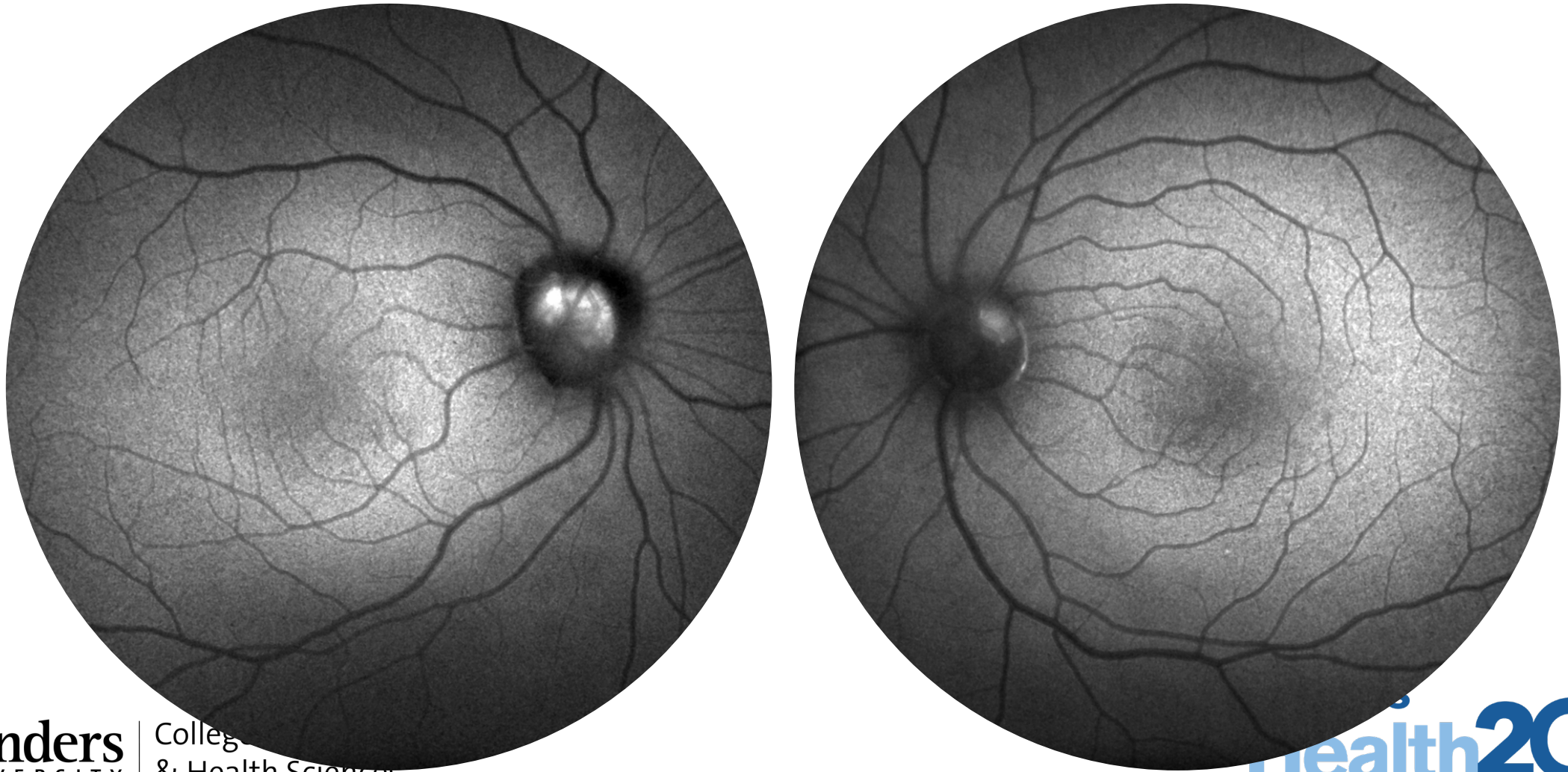
- Refraction: R: +0.75/-0.50x180 (6/4.8) L: +1.00/-0.75x180 (6/4.8)
- Pupils: (-)RAPD, DCN normal
- Confrontation: FTFC
- Motility: full and smooth
- Slit lamp: unremarkable
- Fundus examination as pictured



Case study 1



Case study 1

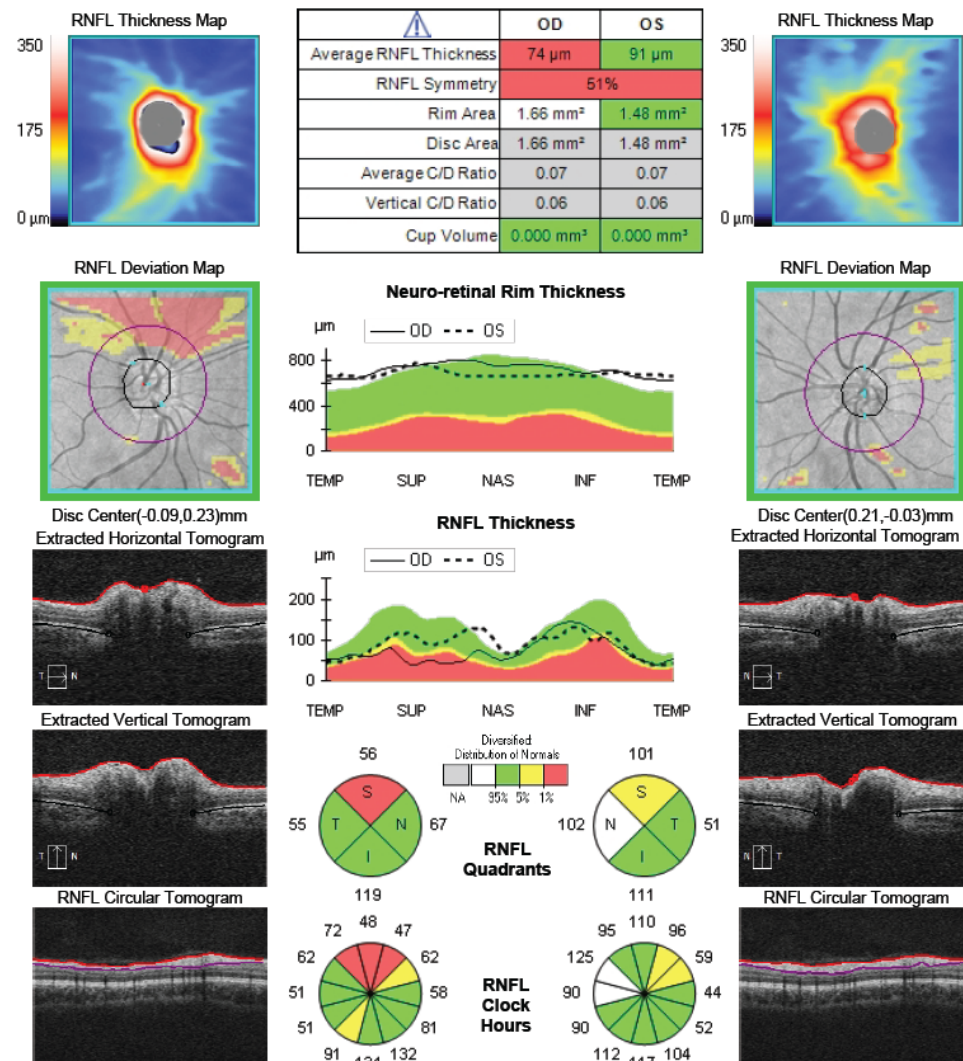


Case study 1

Name: OD OS
 ID: 11457 Exam Date: 18/01/2021 18/01/2021 Flinders Vision
 DOB: 29/09/2001 Exam Time: 1:01 PM 1:02 PM
 Gender: Female Serial Number: 5000-4019 5000-4019
 Technician: Operator, Cirrus Signal Strength: 9/10 10/10



ONH and RNFL OU Analysis: Optic Disc Cube 200x200 OD OS



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Case study

Name: _____

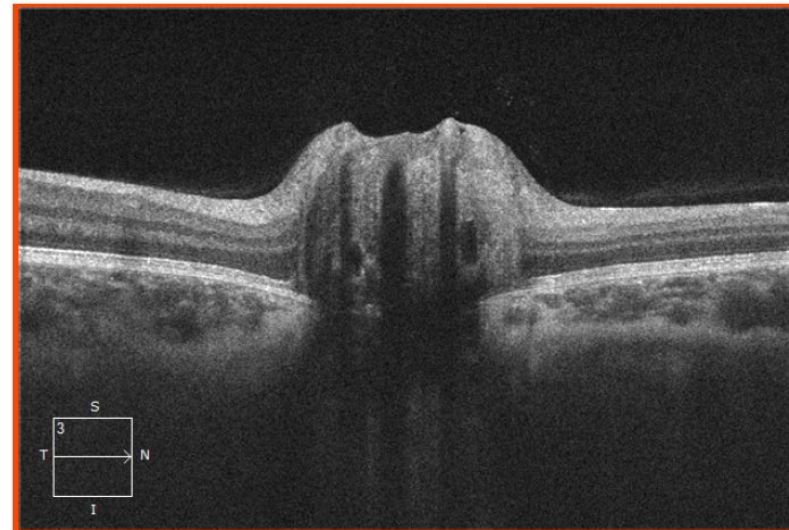
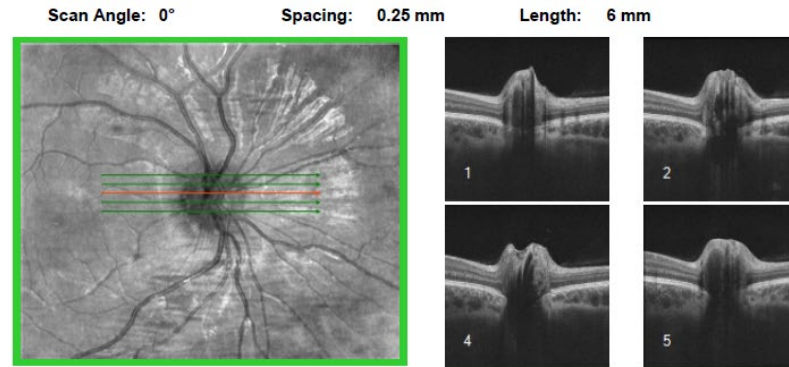
ID: 11457 Exam Date: 1/18/2021 Flinders Vision

DOB: 9/29/2001 Exam Time: 1:06 PM

Gender: Female Serial Number: 5000-4019

Technician: Operator, Cirrus Signal Strength: 9/10

High Definition Images: HD 5 Line Raster OD ☒ ☐ OS



Name: _____

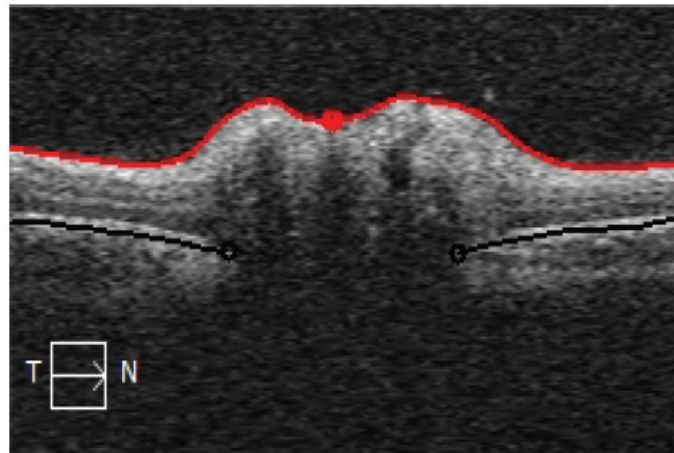
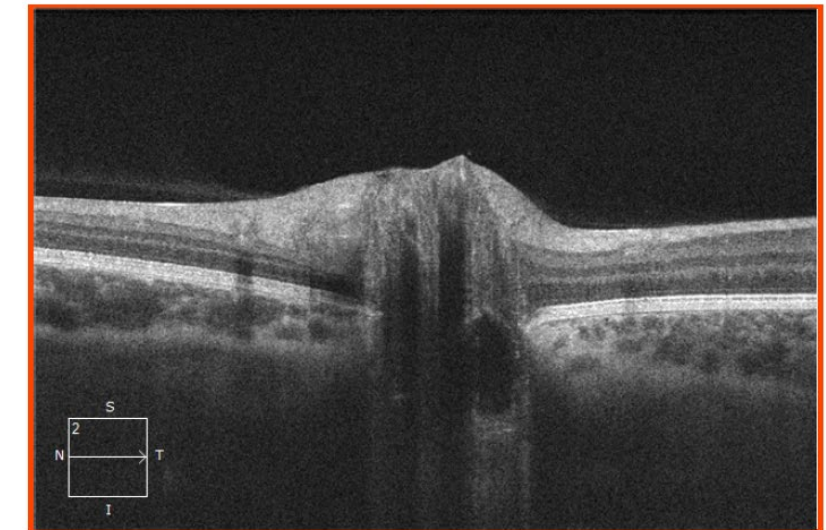
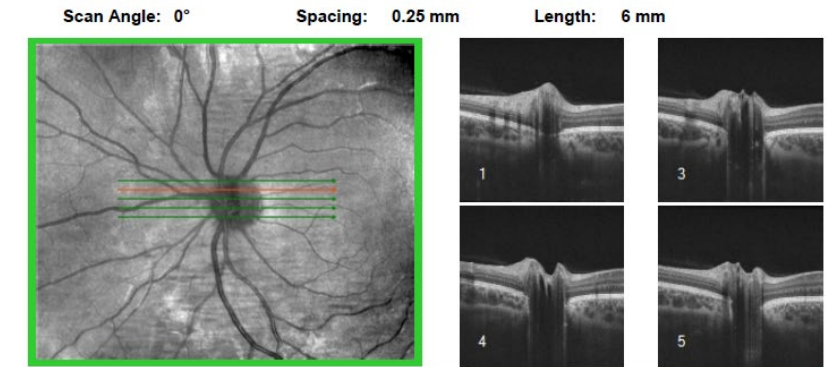
ID: 11457 Exam Date: 18/01/2021 Flinders Vision

DOB: 29/09/2001 Exam Time: 1:07 PM

Gender: Female Serial Number: 5000-4019

Technician: Operator, Cirrus Signal Strength: 10/10

High Definition Images: HD 5 Line Raster OD ☐ ☒ OS



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Comments
Acquired using enhanced depth mode

Doctor's Signature

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Single Field Analysis

Eye: Left

Name:
ID: 11457

DOB: 29-09-2001

Central 30-2 Threshold Test

Fixation Monitor: Gaze/Blind Spot

Fixation Target: Central

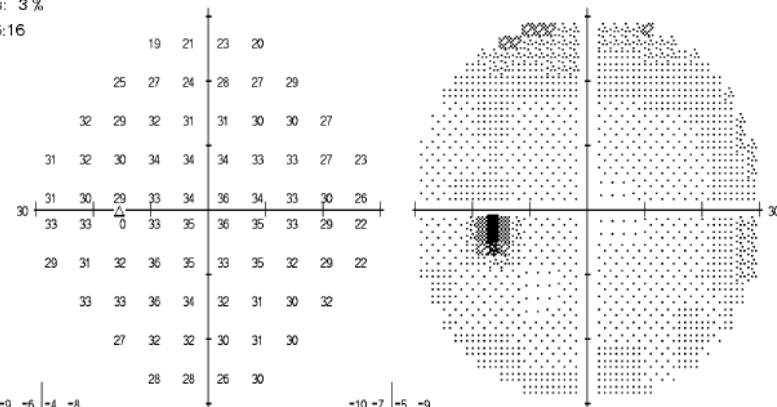
Fixation Losses: 0/16

False POS Errors: 0 %

False NEG Errors: 3 %

Test Duration: 06:16

Fovea: OFF



-9 -6 -4 -8	-10 -7 -5 -9
-4 -3 -5 -2 -3 -1	-5 -4 -6 -3 -4 -2
1 -2 0 -1 -1 -2 -1 -3	0 -3 -1 -2 -2 -3 -2 -4
0 0 -2 1 0 1 0 1 -4 -6	-1 -1 -3 0 -1 0 -1 0 -5 -7
0 -1 -1 0 1 0 -1 -1 -4	-1 -2 -2 -1 0 -1 -2 -2 -5
2 1 -1 0 1 1 0 -2 -8	1 0 -2 -1 0 0 -1 -3 -9
-2 -1 0 2 1 -1 2 0 -2 -7	-3 -2 -1 1 0 -2 1 -1 -3 -8
1 0 3 1 0 -2 -2 1	0 -1 2 0 -1 -3 -3 0
-4 0 0 -1 1 0	-5 -1 -1 -2 0 -1
-3 -2 -3 1	-4 -3 -4 0

GHT
Within Normal Limits

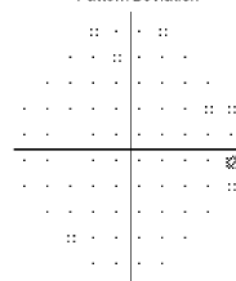
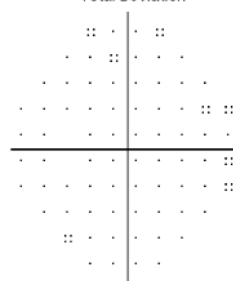
VFI 99%

MD -0.56 dB

PSD 2.23 dB

Total Deviation

Pattern Deviation



⬜ < 5%
⬜ < 2%
⬜ < 1%
⬜ < 0.5%

Single Field Analysis

Eye: Right

Name:
ID: 11457

DOB: 29-09-2001

Central 30-2 Threshold Test

Fixation Monitor: Gaze/Blind Spot

Fixation Target: Central

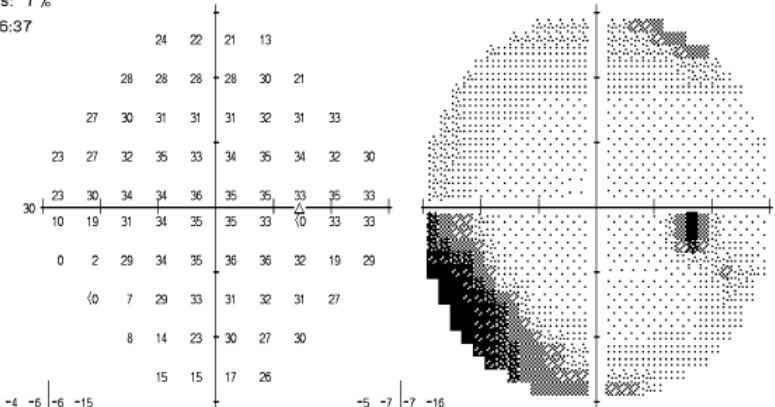
Fixation Losses: 0/18

False POS Errors: 3 %

False NEG Errors: 7 %

Test Duration: 06:37

Fovea: OFF



-4 -6 -6 -15	-5 -7 -7 -16
-2 -2 -2 -2 0 -8	-3 -3 -3 -3 -1 -9
-3 -1 0 -1 -1 1 0 2	-4 -2 -1 -3 -2 0 -1 1
-7 -4 0 1 0 0 2 2 0 -1	-8 -5 -1 0 -1 -1 1 1 -1 -2
-6 -2 1 0 1 1 1 3 1	-7 -3 0 -1 0 -1 0 2 0
-20 -13 -2 0 0 0 0 1 1	-21 -14 -3 -1 -1 -1 -2 0 0
-29 -29 -4 0 1 2 3 -1 -13 -2	-31 -30 -5 -1 -1 0 2 -2 -14 -4
-32 -25 -3 0 -2 -1 -1 -5	-33 -26 -4 -1 -3 -2 -2 -6
-22 -17 -8 -1 -4 -1	-23 -18 -9 -2 -6 -3
-14 -14 -13 -4	-15 -15 -14 -5

GHT
Outside Normal Limits

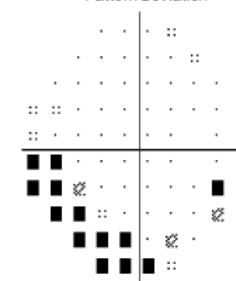
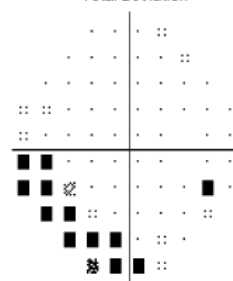
VFI 95%

MD -3.05 dB P < 2%

PSD 8.34 dB P < 0.5%

Total Deviation

Pattern Deviation

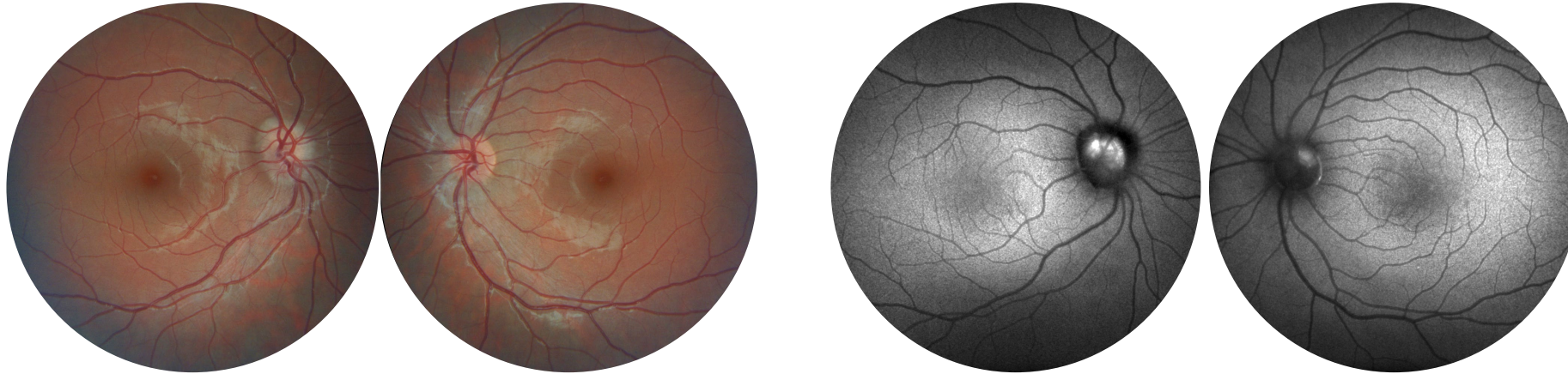


⬜ < 5%
⬜ < 2%
⬜ < 1%
⬜ < 0.5%

F
U

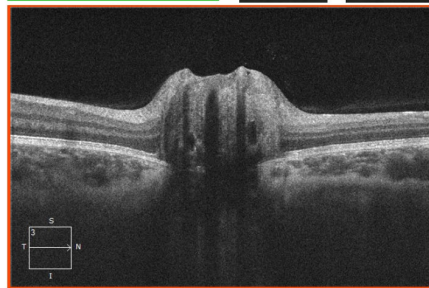
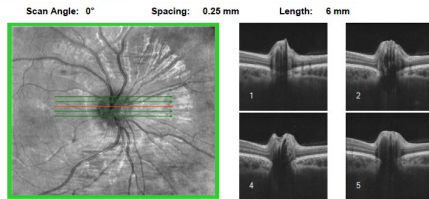
h2GO

Summary data



Name: ID: 11457 Exam Date: 1/16/2021 Flinders Vision
DOB: 9/26/2001 Exam Time: 1:06 PM
Gender: Female Serial Number: 5000-4019
Technician: Operator, Cirus Signal Strength: 9/10

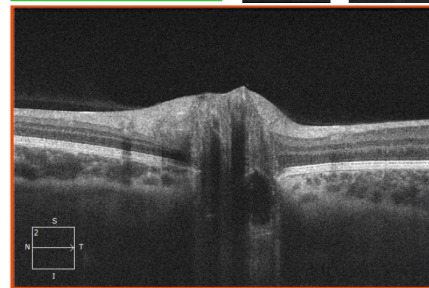
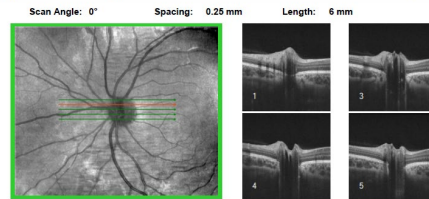
High Definition Images: HD 5 Line Raster OD OS



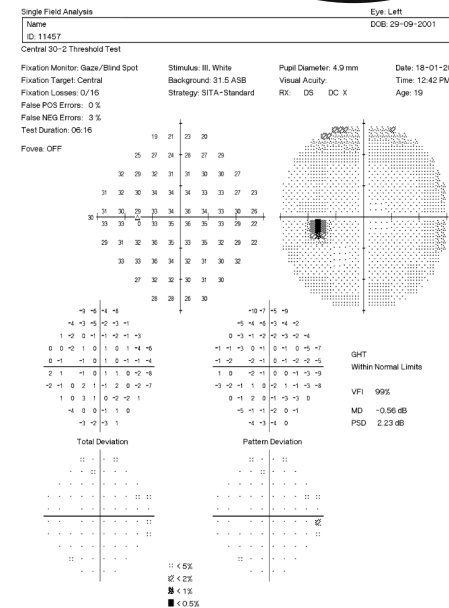
Comments: Acquired using enhanced depth mode
Doctor's Signature: _____
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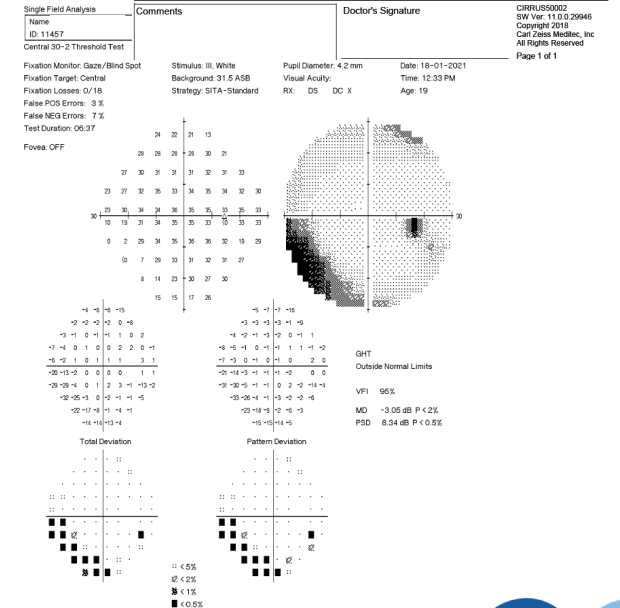
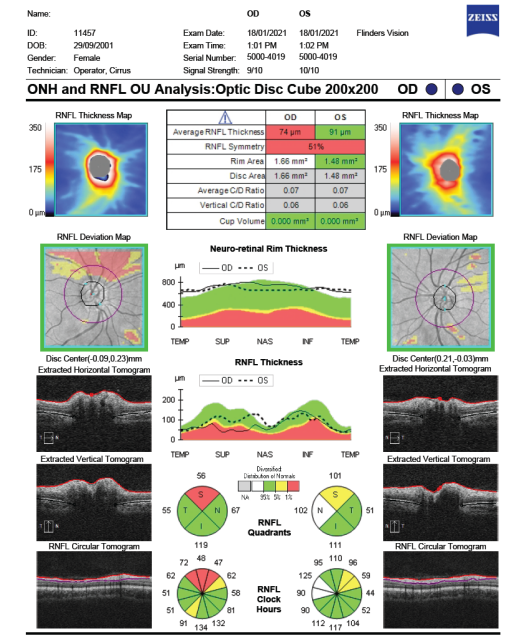
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Case study 1

- What are your differentials?
- What is your most likely diagnosis and why?
- How would you manage this patient?