



XXXI Congreso
PANAMERICANO
DE OFTALMOLOGÍA
Bogotá, Infinitas Posibilidades. Agosto 5-8 2015



The top corners of the slide feature decorative geometric shapes. On the left, there is a cluster of triangles in red, green, purple, and orange. On the right, there is a larger cluster of triangles in green, orange, red, purple, and orange.


CORRELACIÓN CSVS Y O.C.T

John J. Aristizábal G.
Medellín, Colombia

The bottom corners of the slide feature decorative geometric shapes. On the left, there is a cluster of triangles in orange, purple, and green. On the right, there is a cluster of triangles in orange, purple, green, red, orange, and green.




OBJETIVOS:

- 1- No sobre estimar el OCT en el dx. de Glaucoma
 - 2- No todo O.C.T alterado y excavación aumentada es Glaucoma.
 - 3- Estimular la observación directa del nervio y la Clínica como principales pilares en el diagnóstico de Glaucoma.
- 



GROSOR DE C.F.N

A medida que se acerca al nervio optico, la capa de fibras nerviosas es mas gruesa; las de cerca al polo posterior están debajo de las que viene de la periferia





La CFN es mas gruesa en un nervio optico grande a 3.45 mm
y menos gruesa en un nervio pequeño





Los parámetros mas importantes en la capa de fibras nerviosas fueron :

- Grosor a las 7 del reloj
- Grosor cuadrante inferior
- Grosor promedio

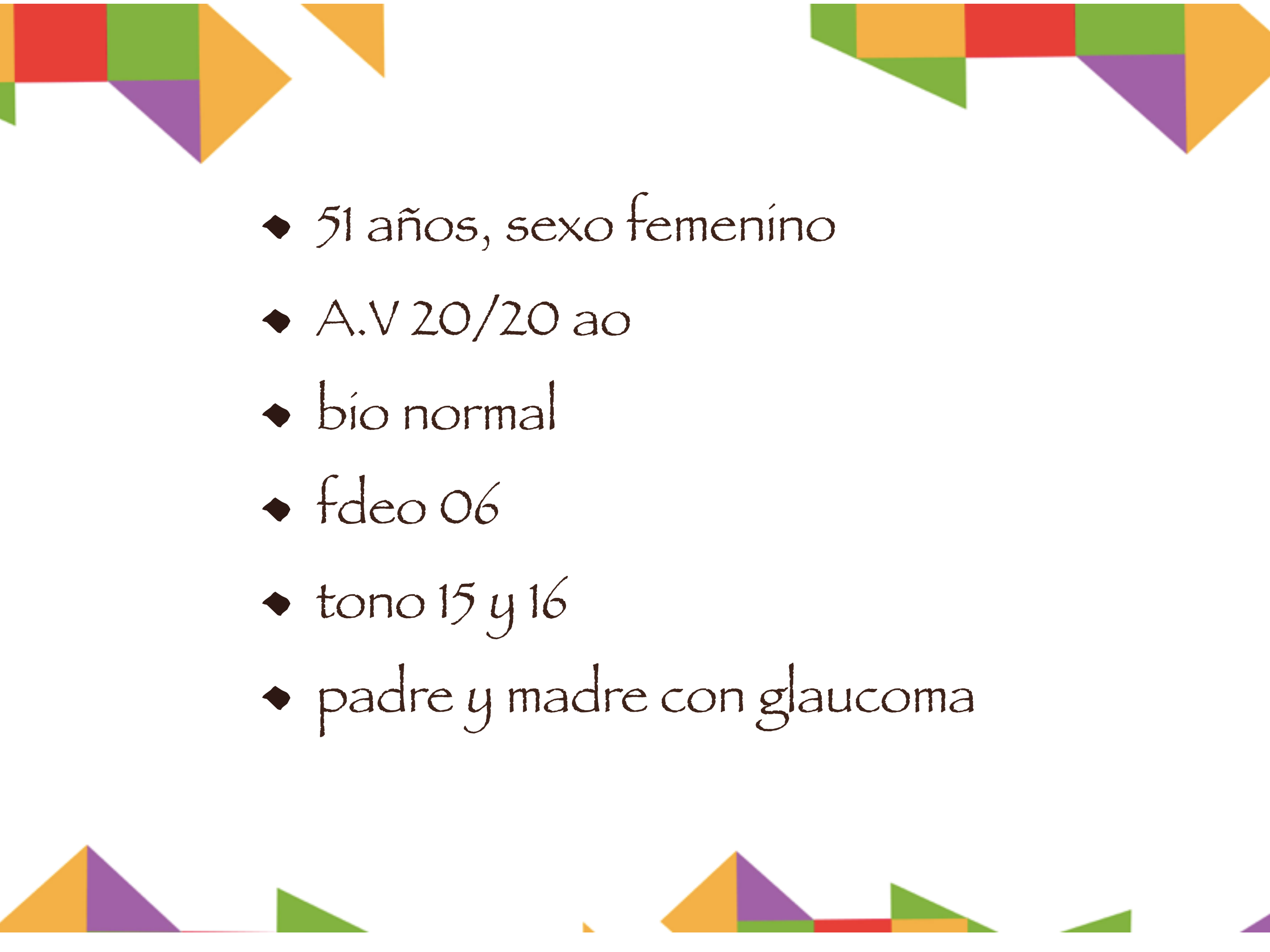
[February 2011](#) Ophthalmology Volume 118, Issue 2, Pages 241–248.e1



TABLA 3. Valores de referencia de la capa de fibras nerviosas de la retina (CFNR) y la cabeza del nervio óptico (CON)

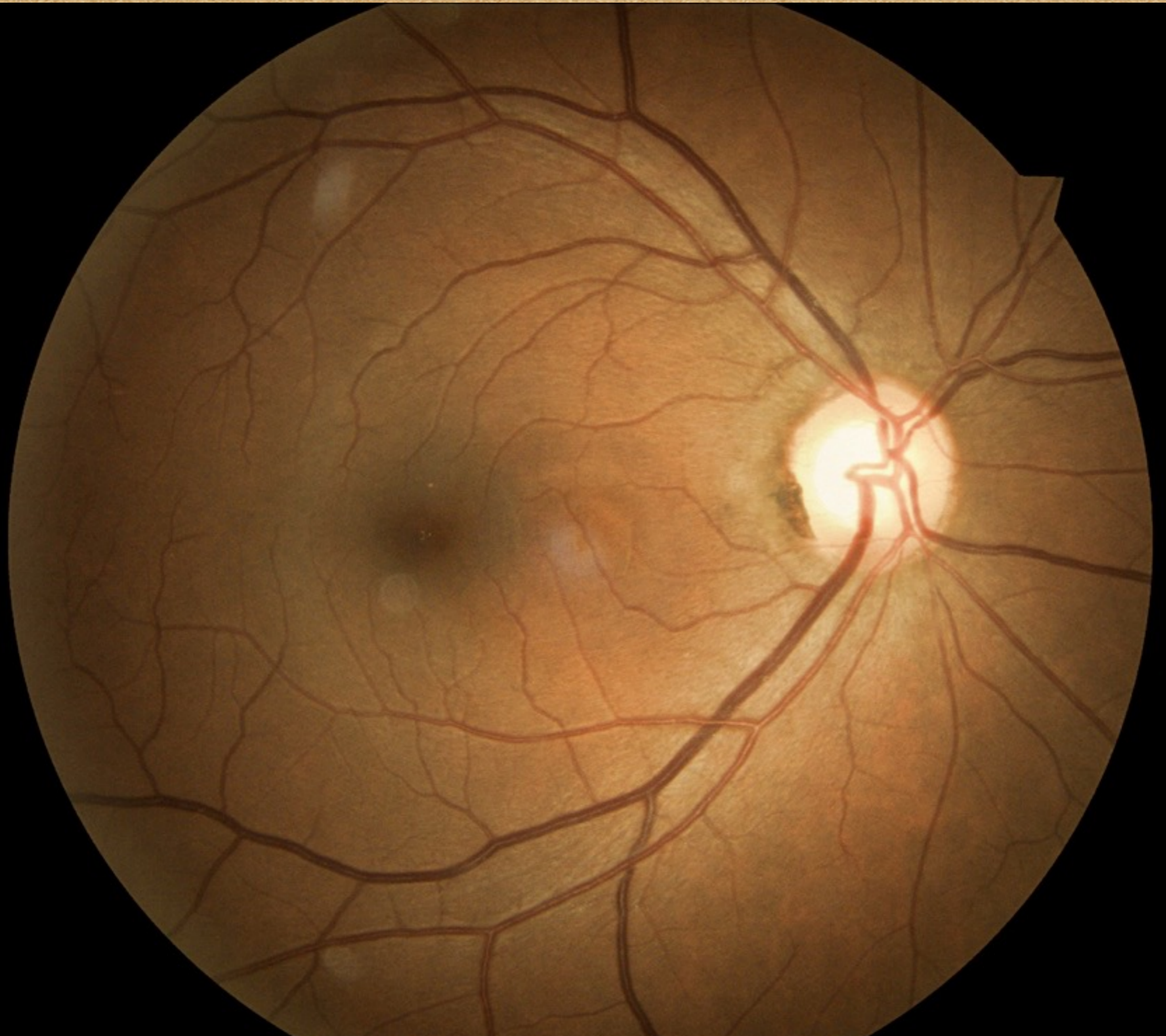
CFNR	RANGO NORMAL (μm)	CON	RANGO NORMAL
Espesor promedio	128,4	Radio área/ copa disco	0,16-0,47
		Radio V copa/ disco	0,39
Espesor promedio superior	132	Radio H copa/ disco	0,25
Espesor promedio inferior	136	Área del anillo (mm^2)	1,20-1,78 mm^2
		Área del disco (mm^2)	1,69-2,82 mm^2
		Volumen de copa (mm^3)	-0,01-0,49 cm^3

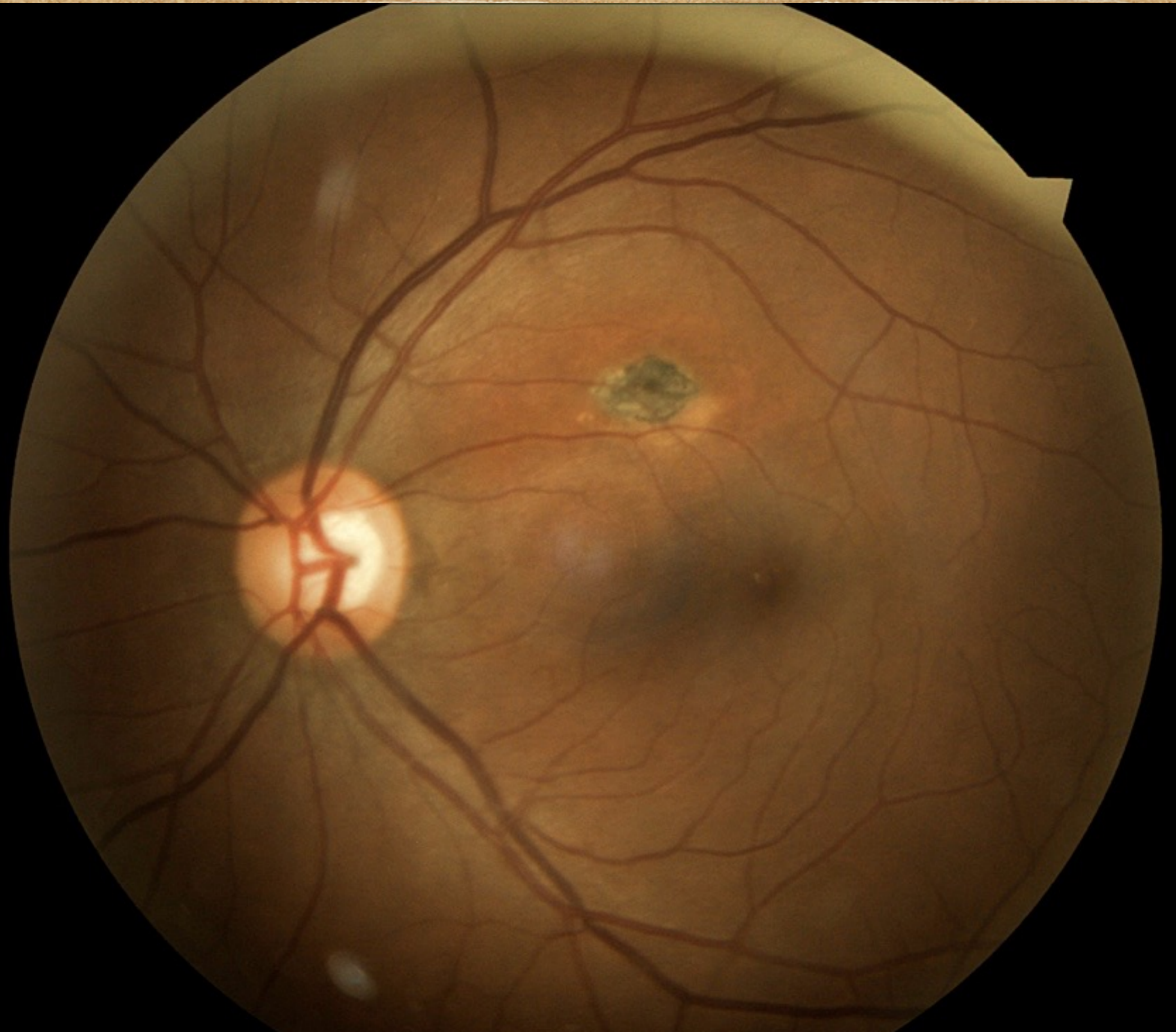
Fuente: Fingeret (2009) y Duch y Buchacra (2012).

- 
- ◆ 51 años, sexo femenino
 - ◆ A.V 20/20 ao
 - ◆ bío normal
 - ◆ fdeo 06
 - ◆ tono 15 y 16
 - ◆ padre y madre con glaucoma

PACIENTE: 0499-TOLANDA-SANCHEZ-SUSONAGA-51729779

FECHA	AV CS		AV CC		AV SC		PlmmHg		Tipo
	OD	OI	OD	OI	OD	OI	OD	OI	Registro
2005-01-06	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	14	14	HISTORIA
2005-02-16	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	12	12	HISTORIA
2005-06-17	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	12	12	HISTORIA
2006-03-31	NO APLICA	NO APLICA	NO APLICA	NO APLICA	NO APLICA	NO APLICA	10	10	HISTORIA
2007-05-30	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	14	14	HISTORIA
2008-06-16	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	14	14	HISTORIA
2010-05-12	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	15	15	HISTORIA
2012-09-14	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	12	13	HISTORIA
2012-10-19	NO APLICA	NO APLICA	NO APLICA	NO APLICA	0	0	0	0	SEGUIMIENTO
2013-04-09	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	12	12	HISTORIA
2014-01-14	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	14	15	HISTORIA
2014-08-12	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	13	14	HISTORIA
2015-01-14	20/40	20/40	20/20	20/20	NO APLICA	NO APLICA	14	12	HISTORIA





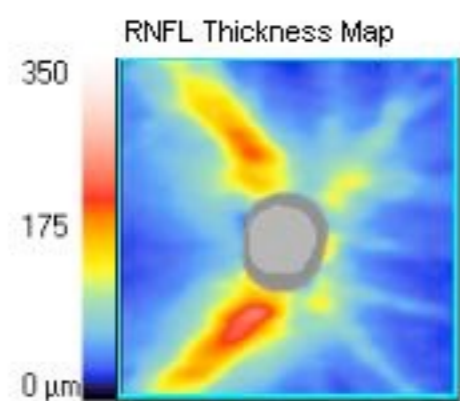
Gender: Female

Serial Number: 4000-5235 4000-5235

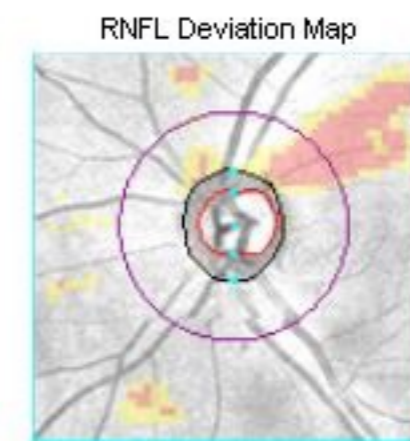
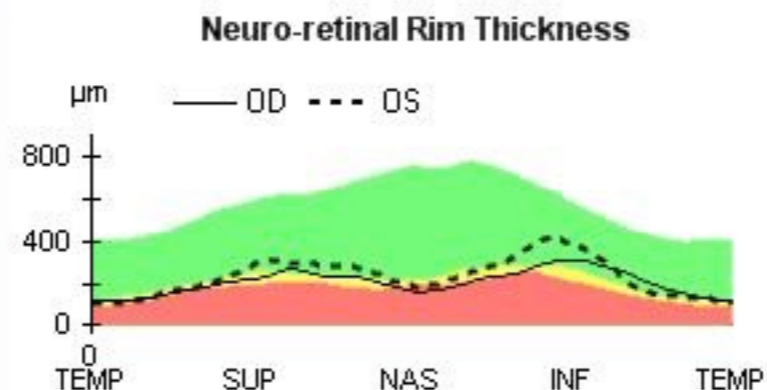
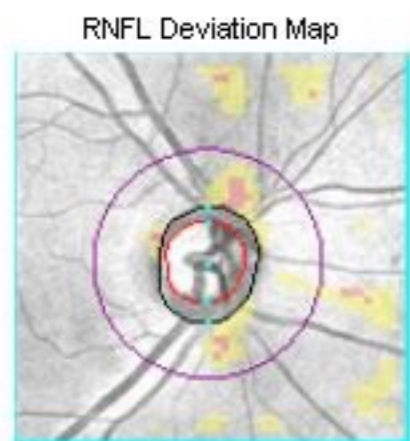
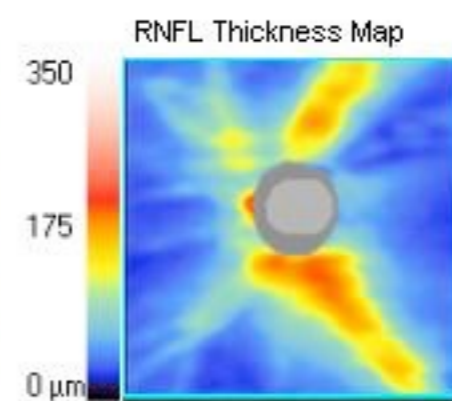
Doctor:

Signal Strength: 7/10 7/10

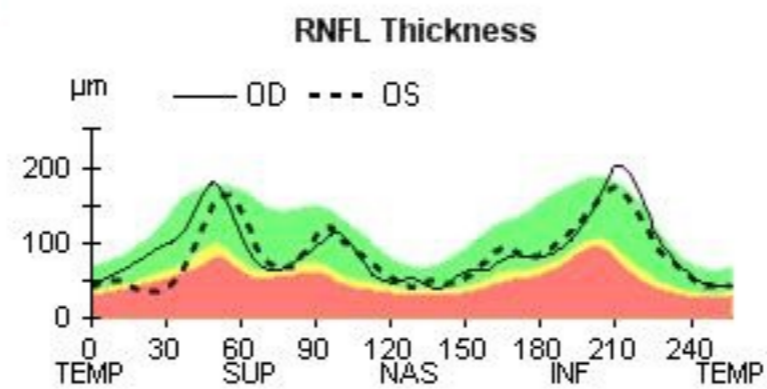
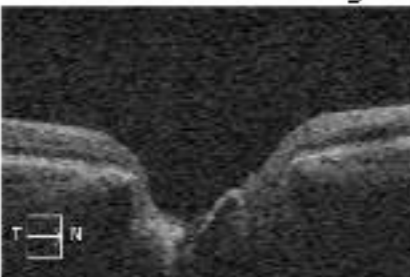
ONH and RNFL OU Analysis: Optic Disc Cube 200x200 OD ● OS ●



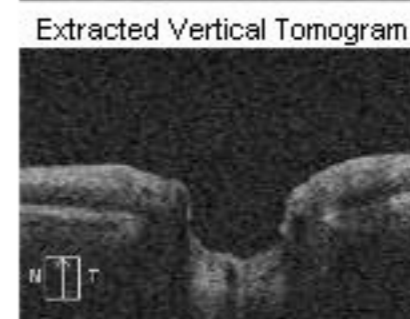
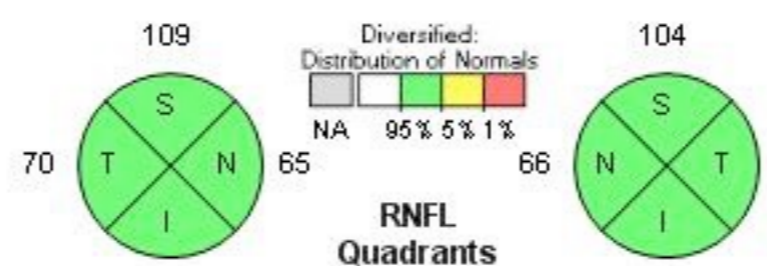
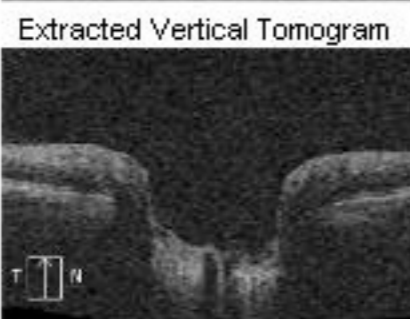
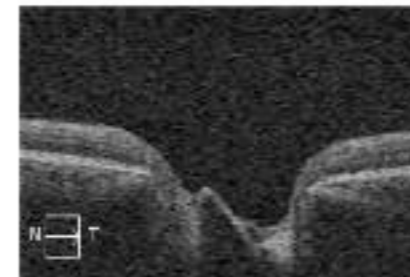
	OD	OS
Average RNFL Thickness	92 μm	86 μm
RNFL Symmetry	87%	
Rim Area	0.96 mm ²	1.02 mm ²
Disc Area	2.16 mm ²	2.02 mm ²
Average C/D Ratio	0.74	0.70
Vertical C/D Ratio	0.69	0.59
Cup Volume	0.476 mm ³	0.361 mm ³



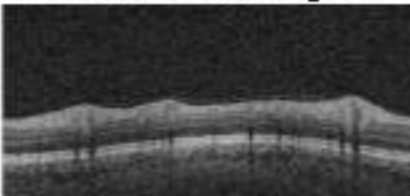
Disc Center(-0.09,-0.21)mm
Extracted Horizontal Tomogram



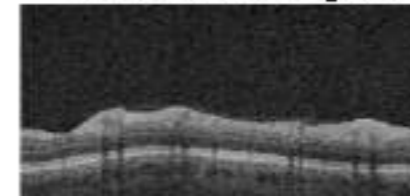
Disc Center(0.03,0.36)mm
Extracted Horizontal Tomogram



RNFL Circular Tomogram



RNFL Circular Tomogram



Name: SANCHEZ, YOLANDA

OD

OS



ID: 51724775

Exam Date: 2/28/2014 2/28/2014 CZMI

DOB: 5/16/1963

Exam Time: 10:33 AM 10:34 AM

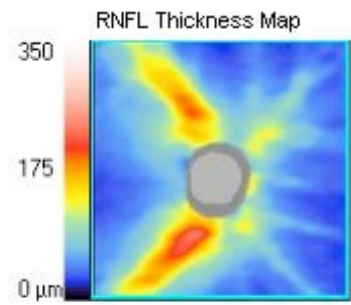
Gender: Female

Serial Number: 4000-5235 4000-5235

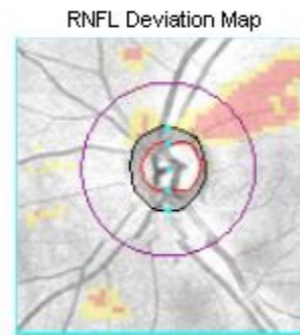
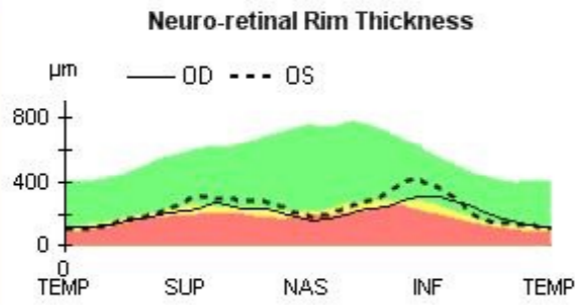
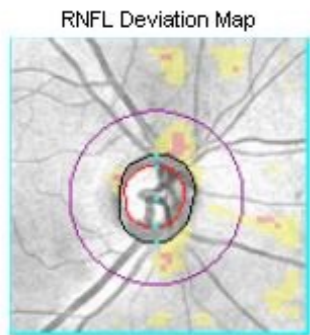
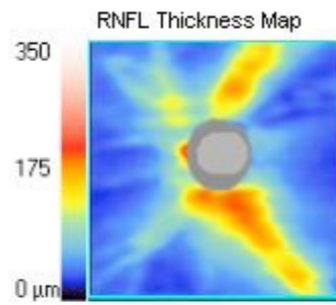
Doctor:

Signal Strength: 7/10 7/10

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

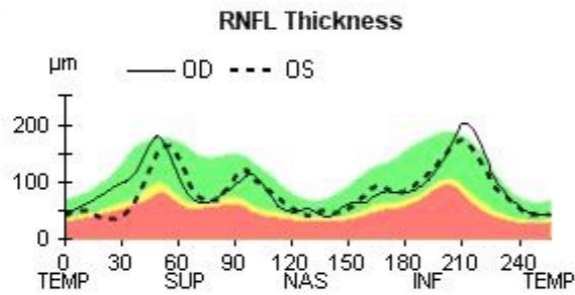
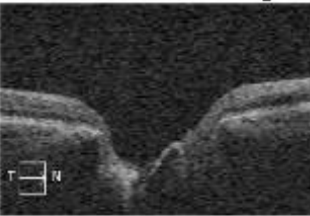


	OD	OS
Average RNFL Thickness	92 μ m	86 μ m
RNFL Symmetry	87%	
Rim Area	0.96 mm ²	1.02 mm ²
Disc Area	2.16 mm ²	2.02 mm ²
Average C/D Ratio	0.74	0.70
Vertical C/D Ratio	0.69	0.59
Cup Volume	0.476 mm ³	0.361 mm ³



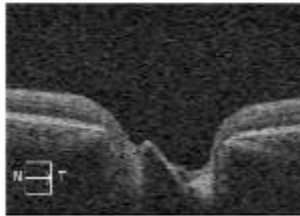
Disc Center(-0.09,-0.21)mm

Extracted Horizontal Tomogram

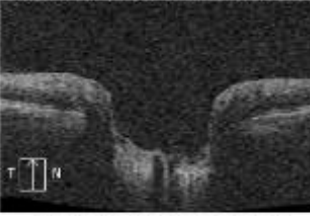


Disc Center(0.03,0.36)mm

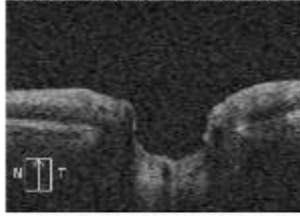
Extracted Horizontal Tomogram



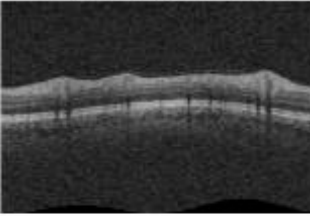
Extracted Vertical Tomogram



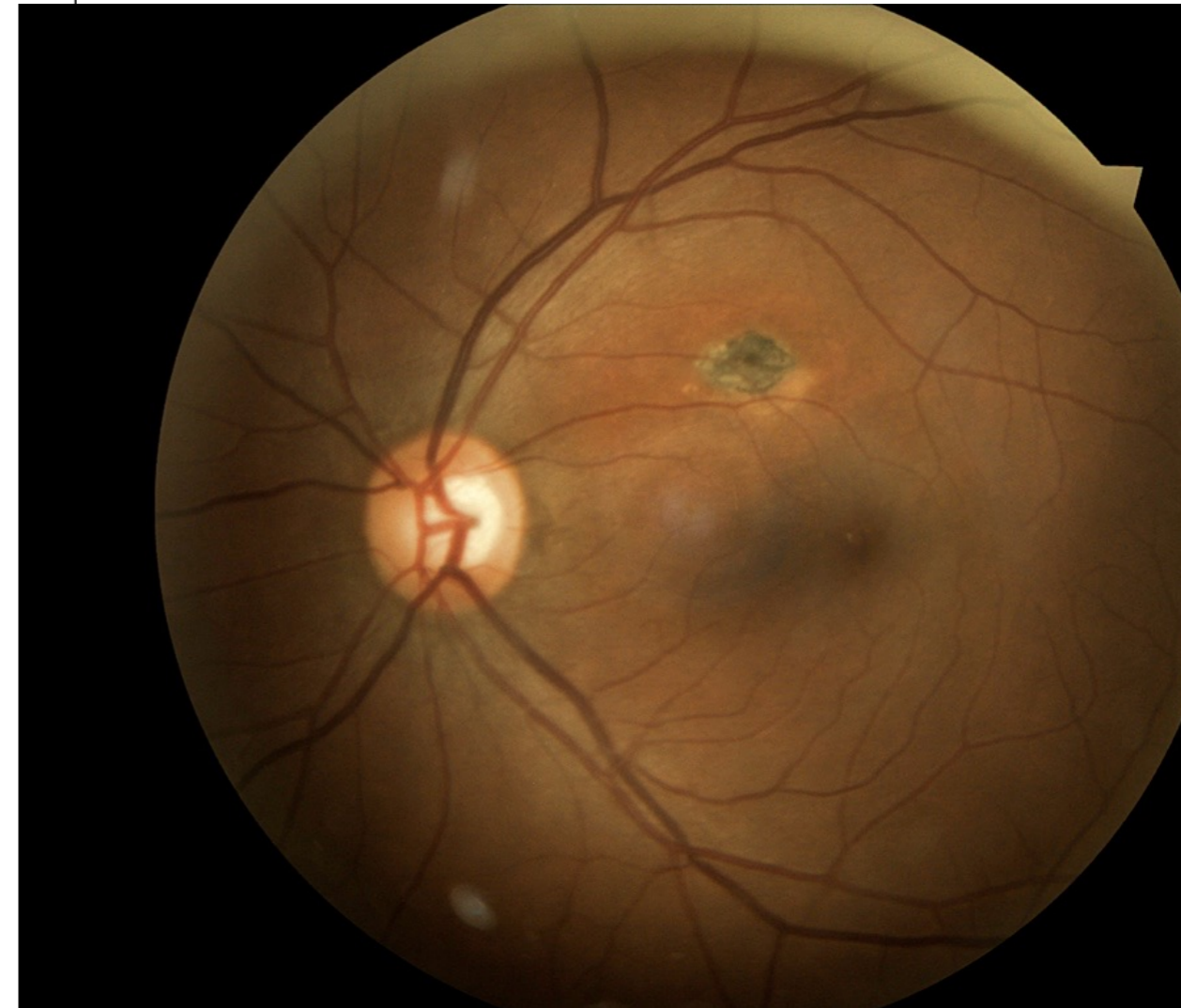
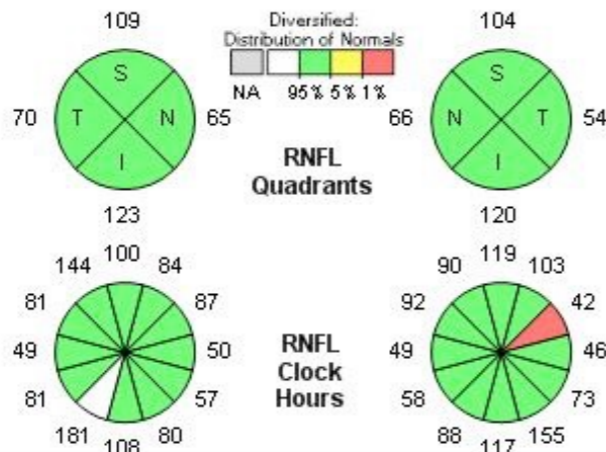
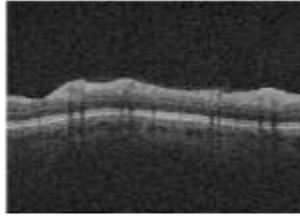
Extracted Vertical Tomogram



RNFL Circular Tomogram



RNFL Circular Tomogram



Comments

Doctor's Signature

SW Ver. 6.0.2.81
Copyright 2012

Análisis de campo único

Ojo: Izquierdo

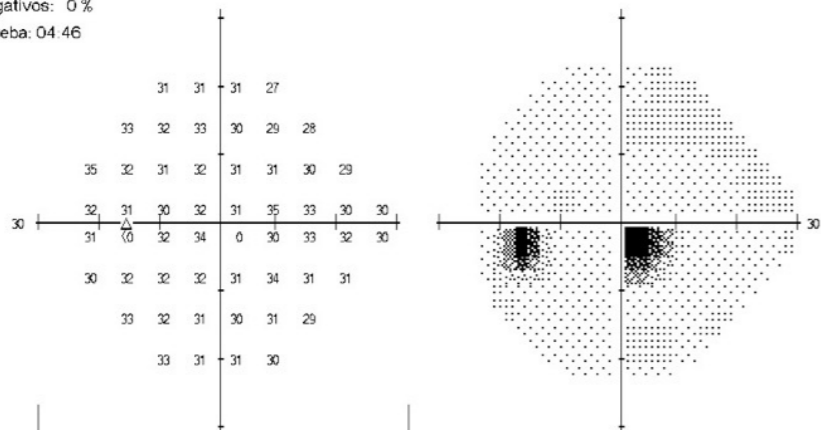
Nombre: yolanda sanchez
ID: 51724775

FDN: 05-16-1963

Central 24-2 Prueba de umbral

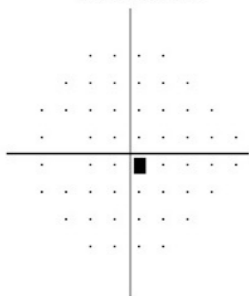
Monitor de fijación: Mirada/Punto ciego Estímulo: III, Blanco Diámetro de pupila: 5.3 mm Fecha: 02-28-2014
Objetivo de fijación: Central Fondo: 31.5 ASB Agudeza visual: Hora: 10:08 AM
Pérdidas de fijación: 0/14 Estrategia: SITA-Standard RX: +2.00 DS DC X Edad: 50
Errores falsos positivos: 2 %
Errores falsos negativos: 0 %
Duración de la prueba: 04.46

Foveal: 37 dB



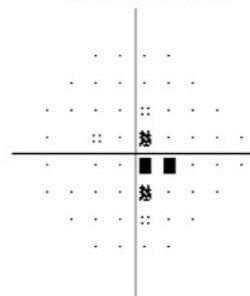
4	3	3	0
4	3	3	0
6	2	0	0
2	-1	0	0
1	0	1	0
0	1	0	0
2	1	0	0
3	1	1	1

Desviación total



1	0	0	-3
1	0	0	-3
3	-1	-3	-3
-1	-4	-3	-4
-2	-3	-2	-3
-3	-2	-3	-3
0	-2	-3	-4
0	-2	-2	-2

Desviación del modelo

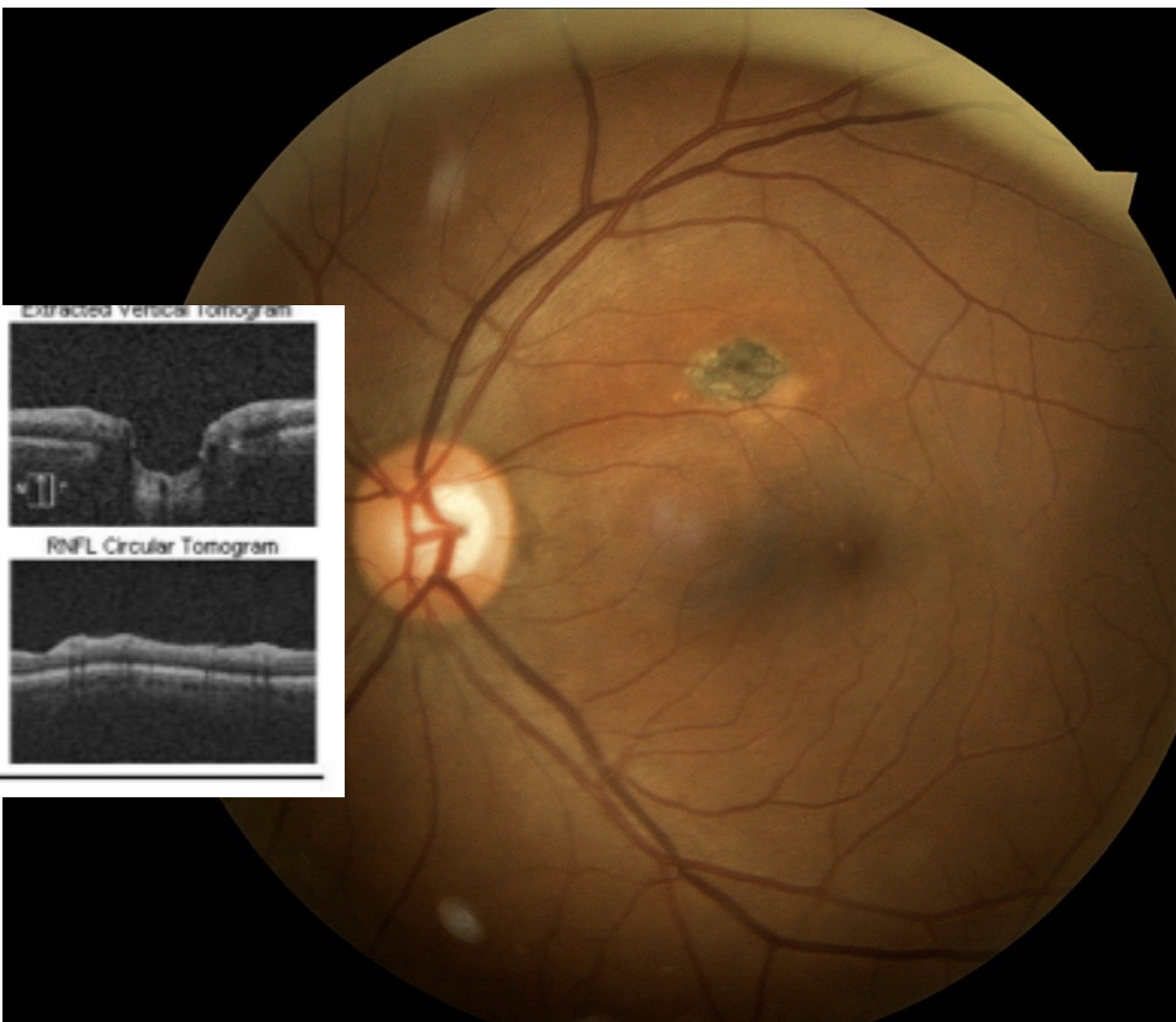
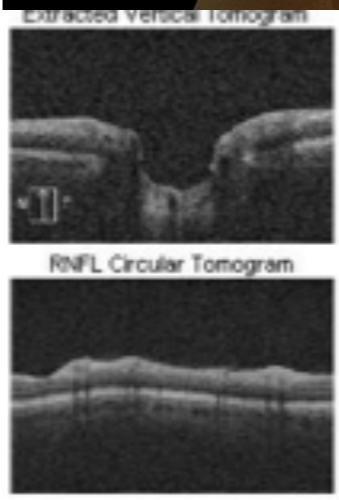
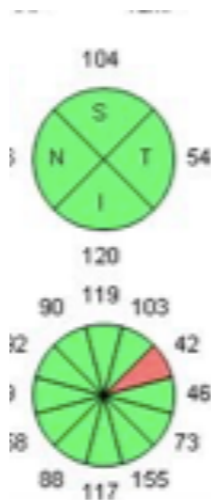


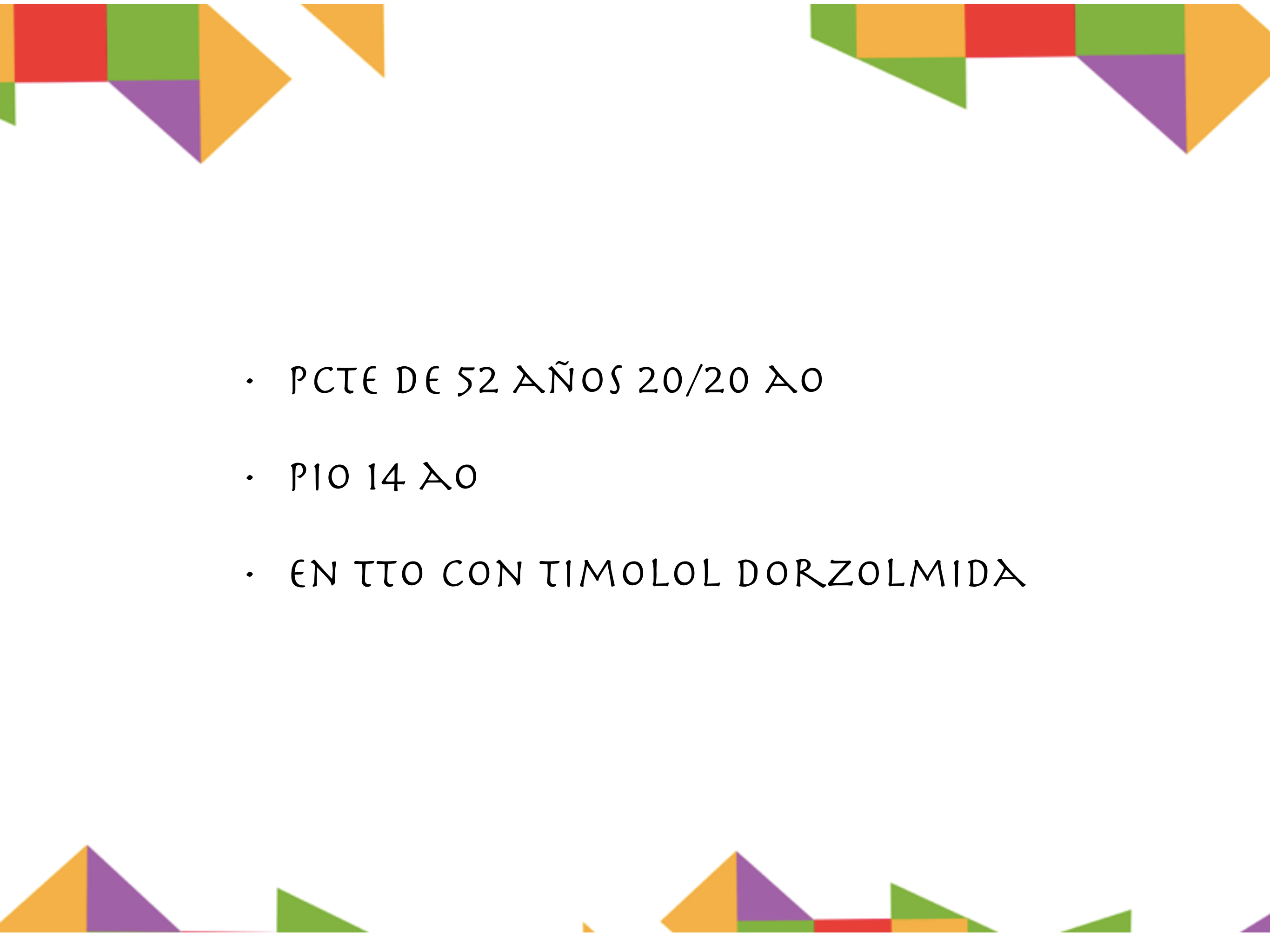
∴ < 5%
⊗ < 2%
⊗ < 1%
■ < 0.5%

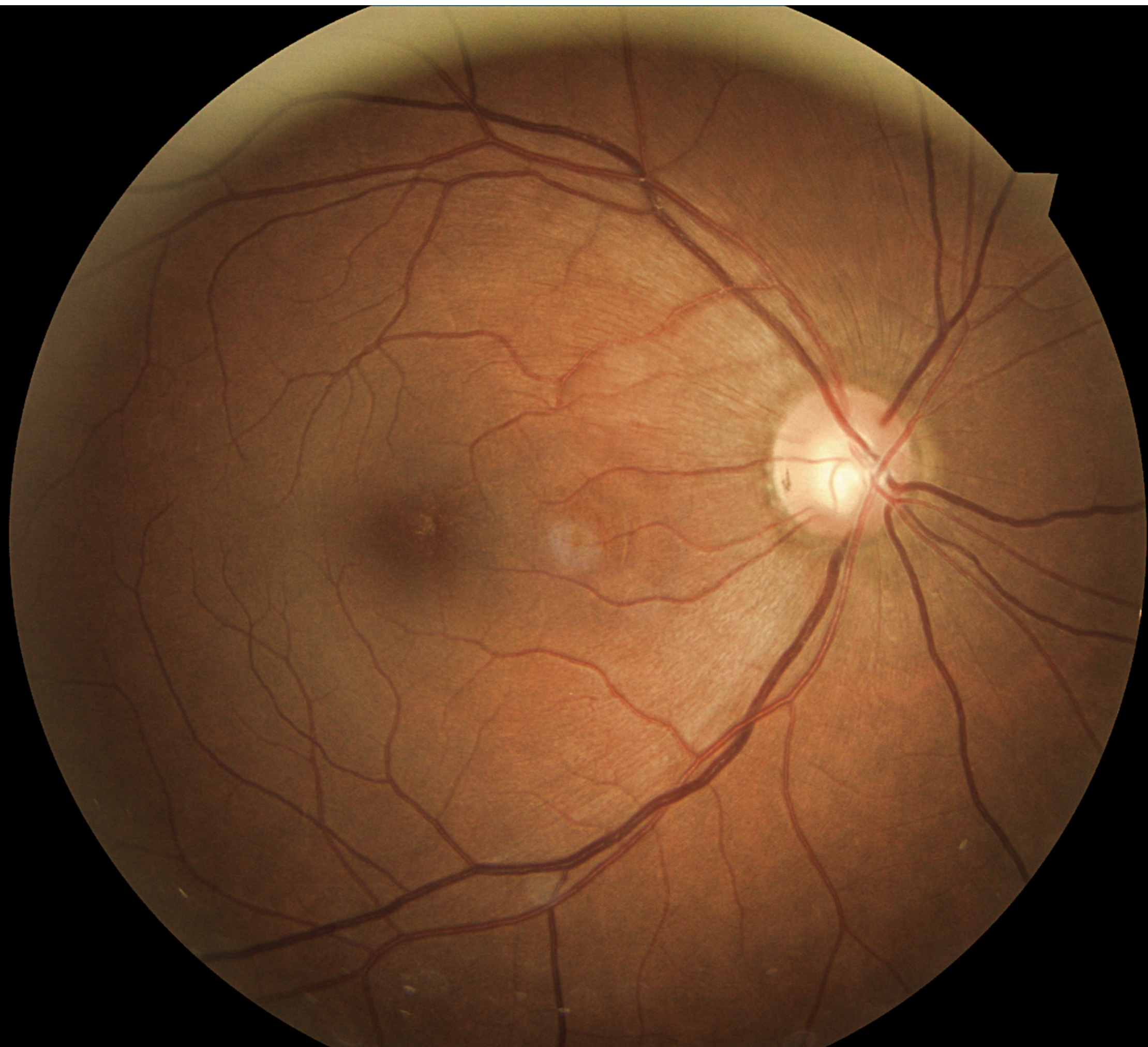
PHG
Fuera de límites normales

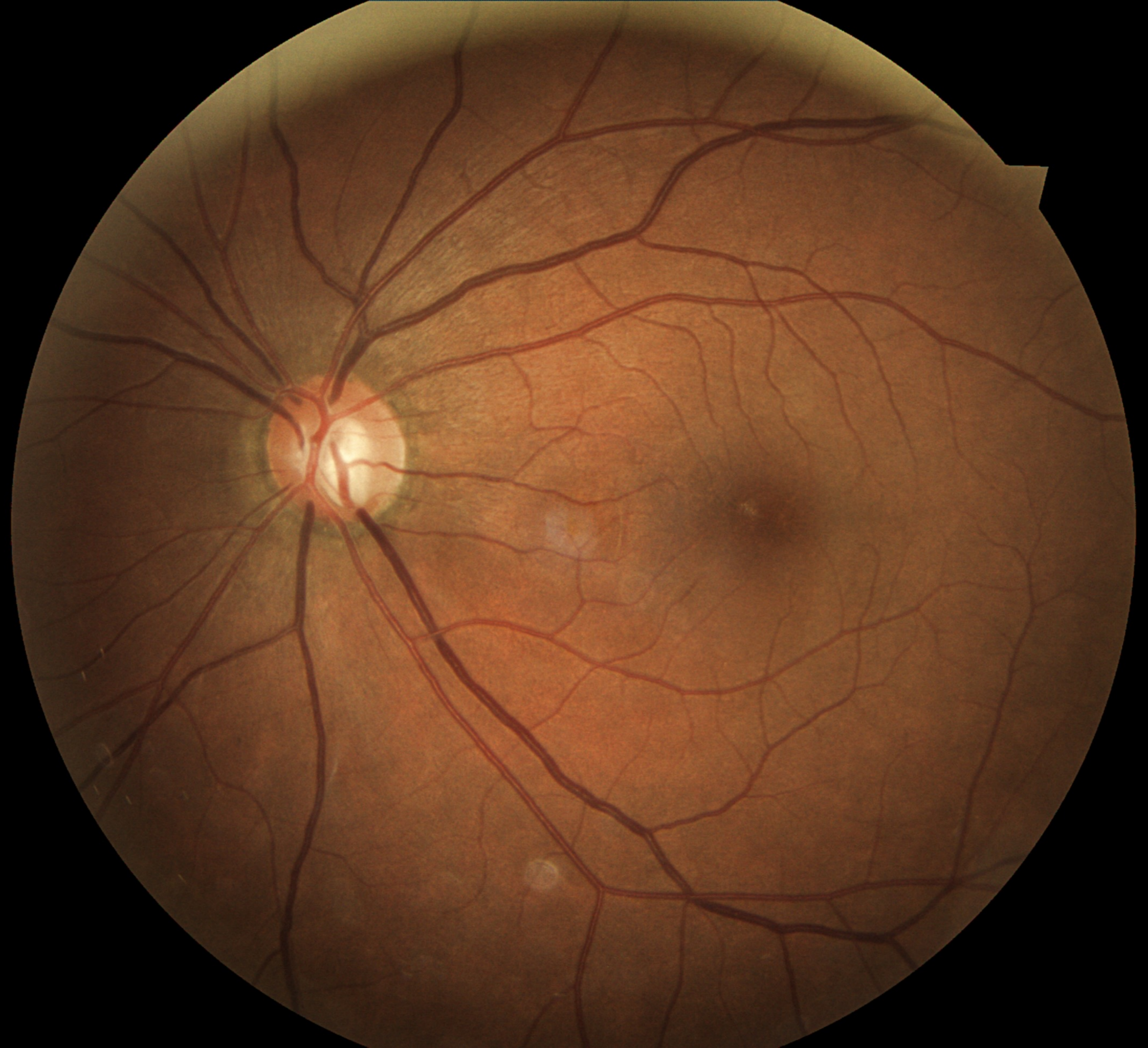
VFI 93%
DM -0.36 dB
DSM 6.31 dB P < 0.5%

CLINICA OPTALMOLOGICA DE MEDELLIN
CARRERA 30 No. 7A 30
TEL. 3118885
MEDELLIN



- 
- PCTE DE 52 AÑOS 20/20 AO
 - PIO 14 AO
 - EN TIO CON TIMOLOL DORZOLMIDA





Name: **cardona, ayda**

OD OS



ID: 43044242

Exam Date: 9/11/2011 9/11/2011 CZMI

DOB: 12/13/1962

Exam Time: 12:24 PM 12:25 PM

Gender: Female

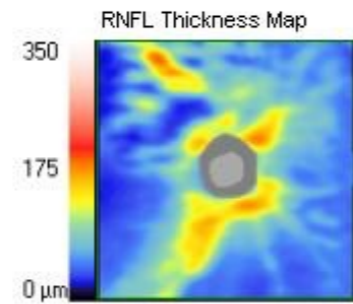
Technician: Operator, Cirrus

Doctor:

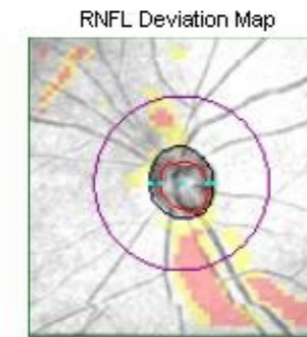
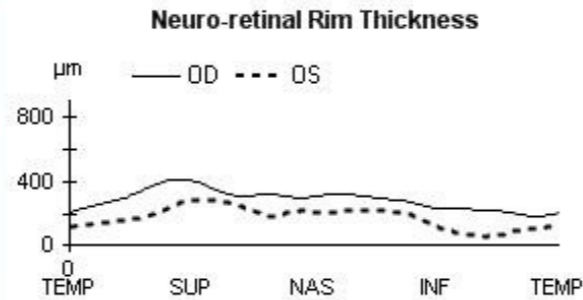
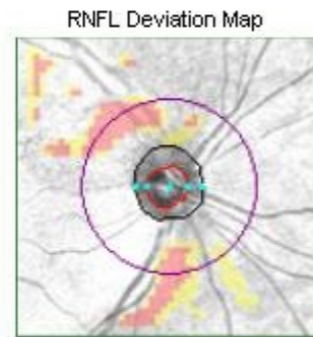
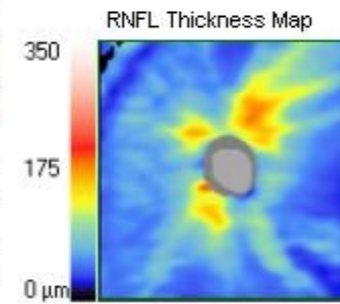
Signal Strength: 8/10 8/10

RNFL and ONH: Optic Disc Cube 200x200

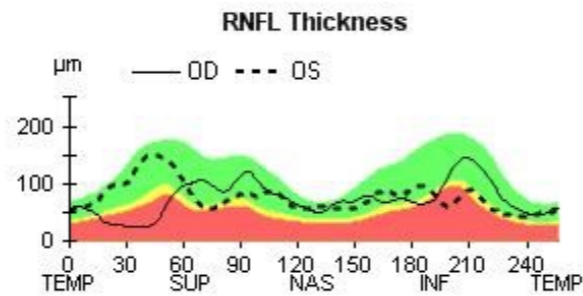
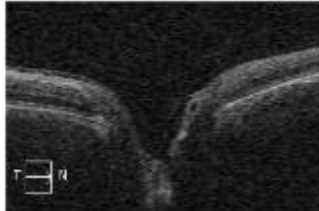
OD OS



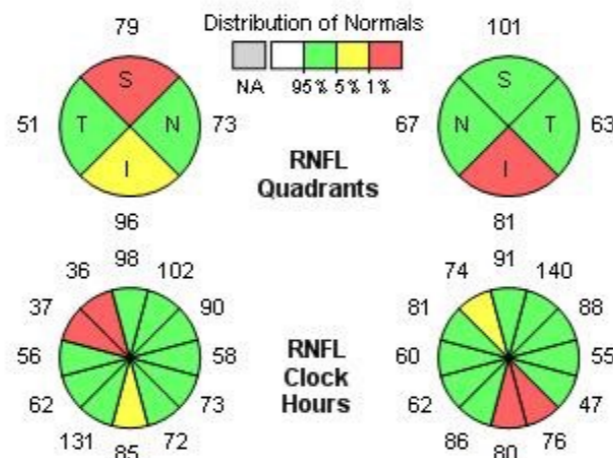
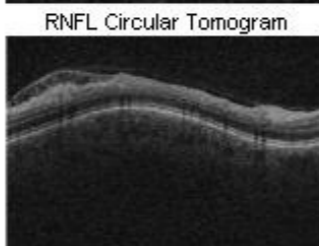
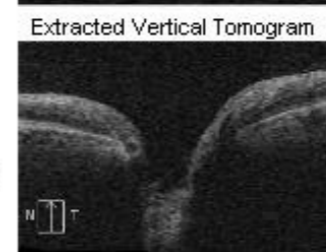
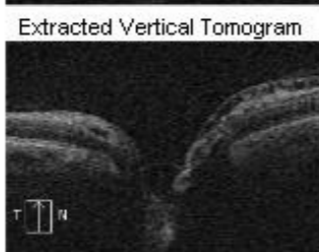
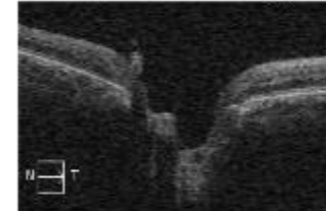
	OD	OS
Average RNFL Thickness	75 μm	78 μm
RNFL Symmetry	-18%	
Rim Area	1.04 mm ²	0.67 mm ²
Disc Area	1.60 mm ²	1.46 mm ²
Average C/D Ratio	0.58	0.73
Vertical C/D Ratio	0.54	0.69
Cup Volume	0.186 mm ³	0.349 mm ³



Disc Center (0.03,0.03) mm
Extracted Horizontal Tomogram



Disc Center (0.03,0.09) mm
Extracted Horizontal Tomogram



Comments

Doctor's Signature

Nombre: MARIA AYDA CARDONA GIRALDO

FDN: 12-13-1962

ID: 43044242

Central 24-2 Prueba de umbral

Monitor de fijación: Mirada/Punto ciego

Estímulo: III, Blanco

Diámetro de pupila: 4.5 mm

Fecha: 03-31-2014

Objetivo de fijación: Central

Fondo: 31.5 ASB

Agudeza visual:

Hora: 4:19 PM

Pérdidas de fijación: 0/14

Estrategia: SITA-Standard

RX: +1.00 DS DC X

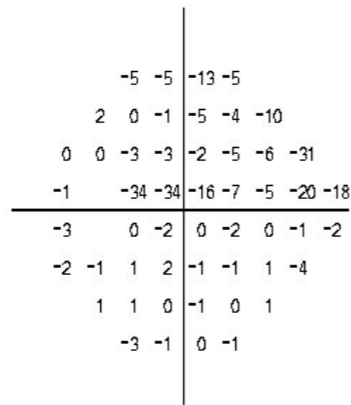
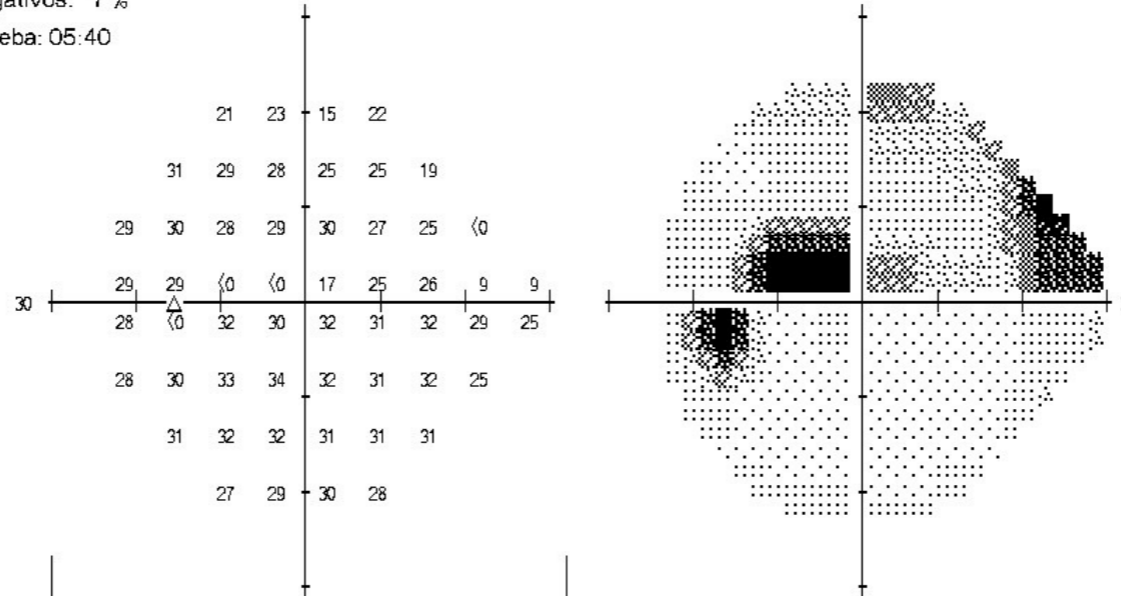
Edad: 51

Errores falsos positivos: 0 %

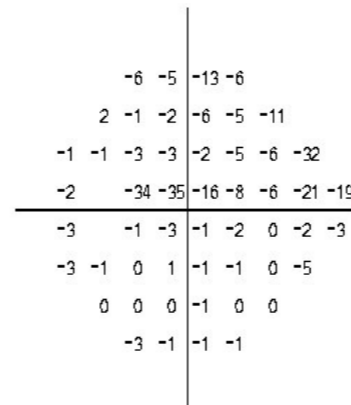
Errores falsos negativos: 7 %

Duración de la prueba: 05:40

Foveal: 34 dB



Desviación total



Desviación del modelo

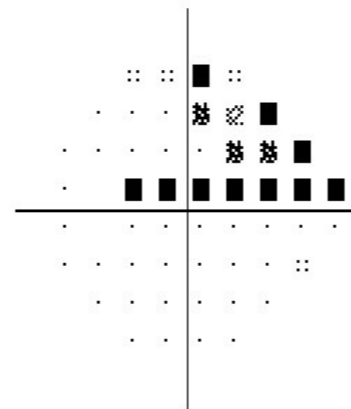
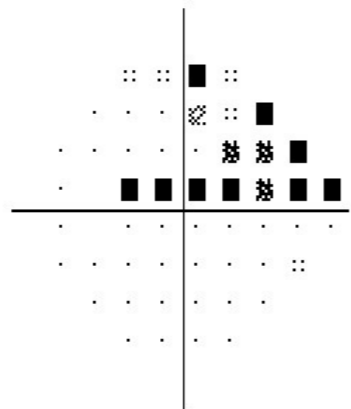
PHG

Fuera de límites normales

VFI 82%

DM -4.67 dB P < 0.5%

DSM 9.29 dB P < 0.5%



- ◻ < 5%
- ▨ < 2%
- ▩ < 1%
- < 0.5%

CLINICA OFTALMOLOGICA DE MEDELLIN
 CARRERA 30 No. 7A 30
 TEL. 3118885
 MEDELLIN

Name: **cardona, ayda**

OD

OS



ID: 43044242

Exam Date: 9/11/2011

9/11/2011

CZMI

DOB: 12/13/1962

Exam Time: 12:24 PM

12:25 PM

Gender: Female

Technician: Operator, Cirrus

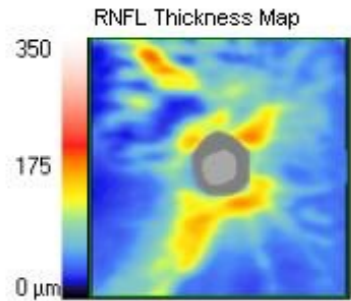
Doctor:

Signal Strength: 8/10

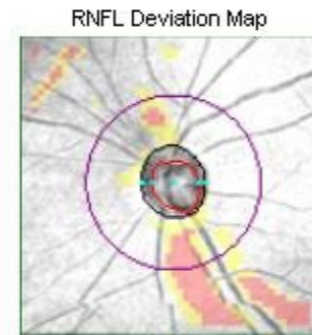
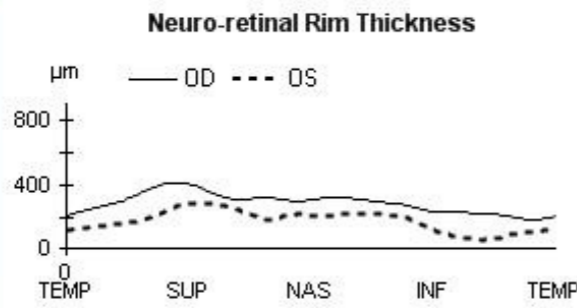
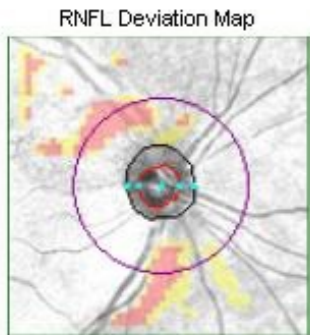
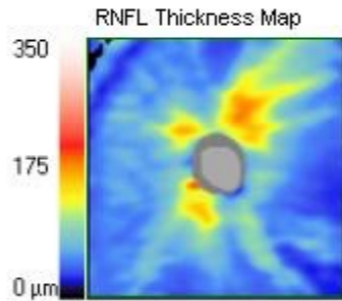
8/10

RNFL and ONH: Optic Disc Cube 200x200

OD ● ● **OS**

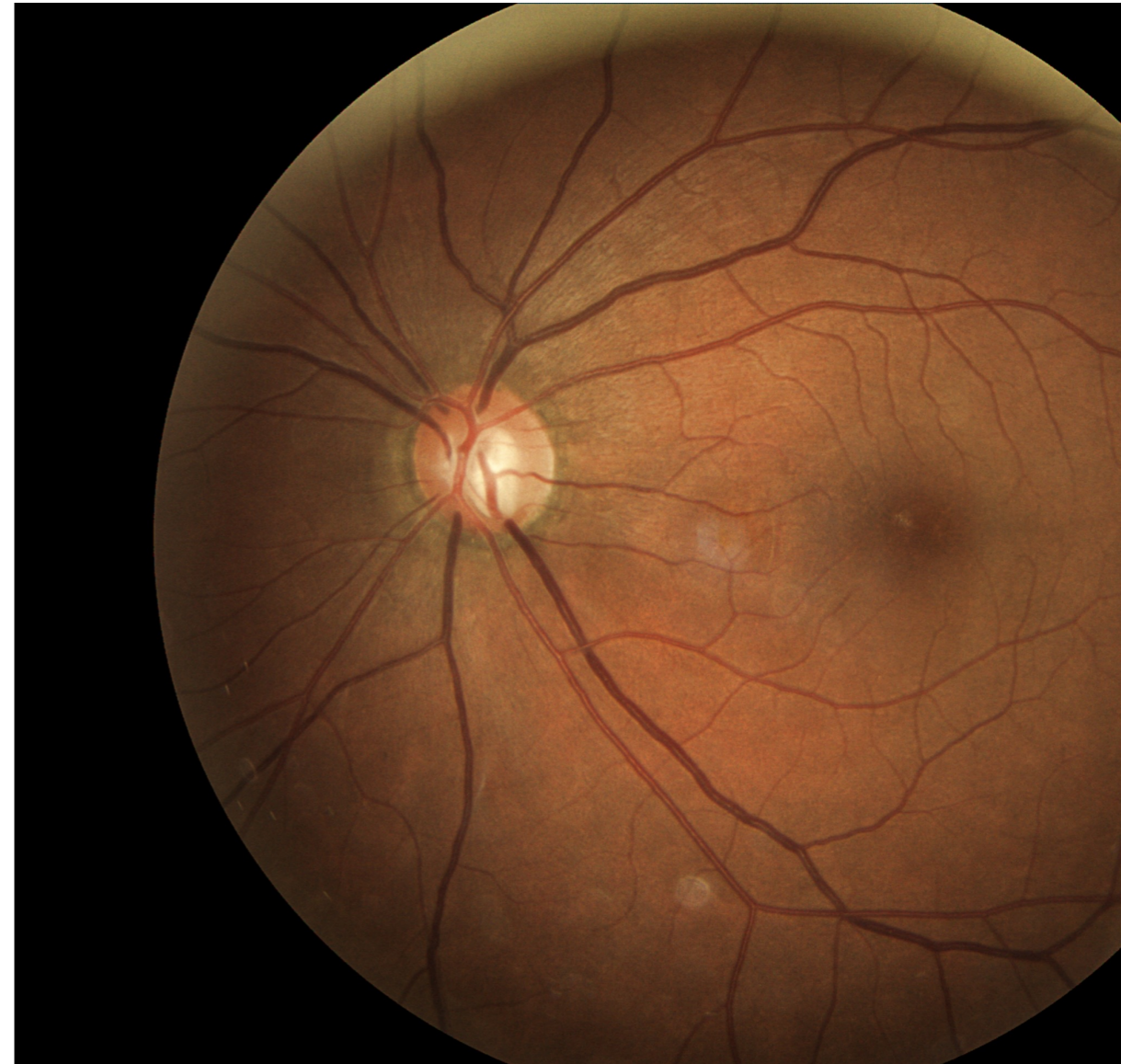
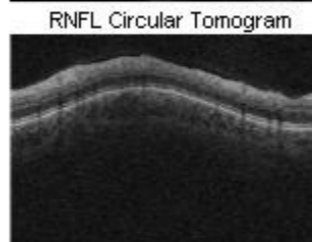
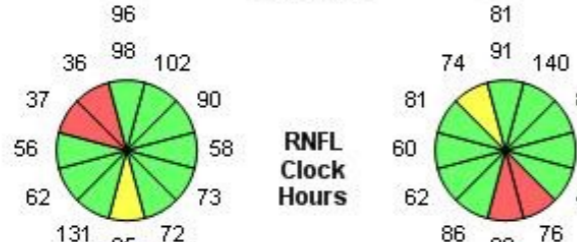
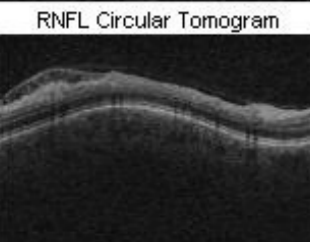
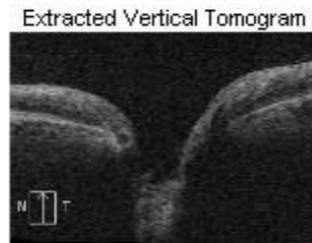
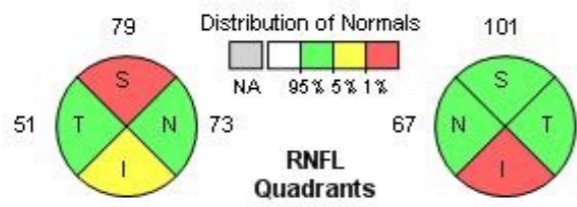
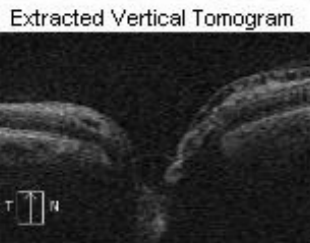
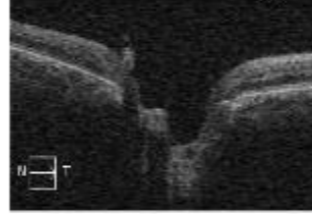
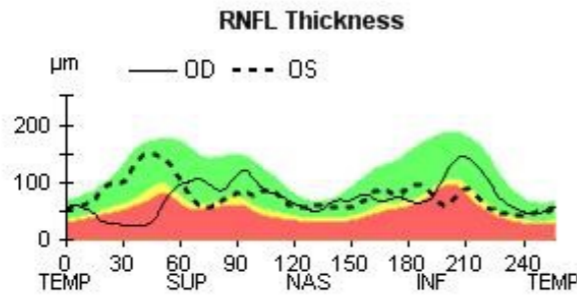
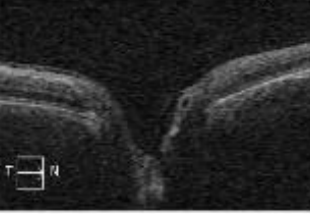


	OD	OS
Average RNFL Thickness	75 μm	78 μm
RNFL Symmetry	-18%	
Rim Area	1.04 mm ²	0.67 mm ²
Disc Area	1.60 mm ²	1.46 mm ²
Average C/D Ratio	0.58	0.73
Vertical C/D Ratio	0.54	0.69
Cup Volume	0.186 mm ³	0.349 mm ³



Disc Center (0.03,0.03) mm

Disc Center (0.03,0.09) mm

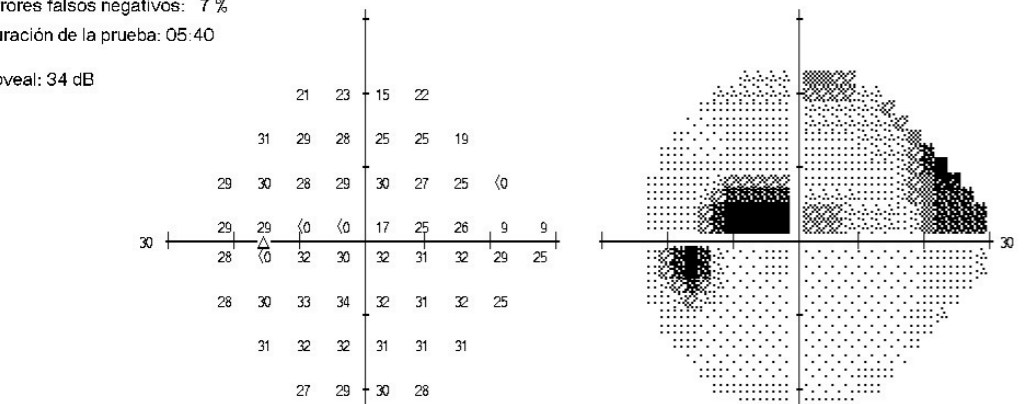


Comments

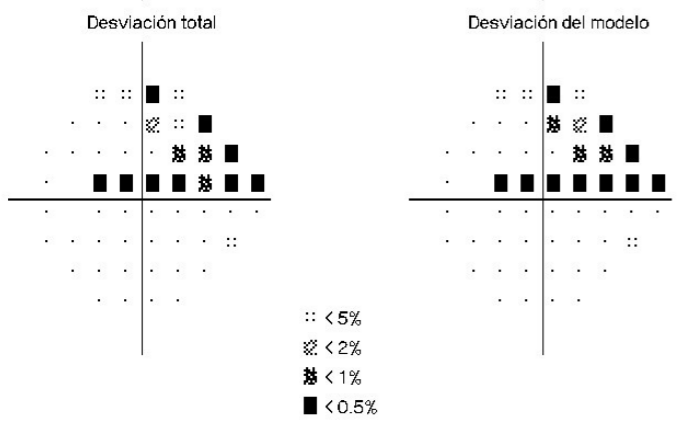
Doctor's Signature

Análisis de campo único Ojo: Izquierdo
 Nombre: MARIA AYDA CARDONA GIRALDO FDN: 12-13-1962
 ID: 43044242

Central 24-2 Prueba de umbral
 Monitor de fijación: Mirada/Punto ciego Estímulo: III, Blanco Diámetro de pupila: 4.5 mm Fecha: 03-31-2014
 Objetivo de fijación: Central Fondo: 31.5 ASB Agudeza visual: Hora: 4:19 PM
 Pérdidas de fijación: 0/14 Estrategia: SITA-Standard RX: +1.00 DS DC X Edad: 51
 Errores falsos positivos: 0%
 Errores falsos negativos: 7%
 Duración de la prueba: 05:40

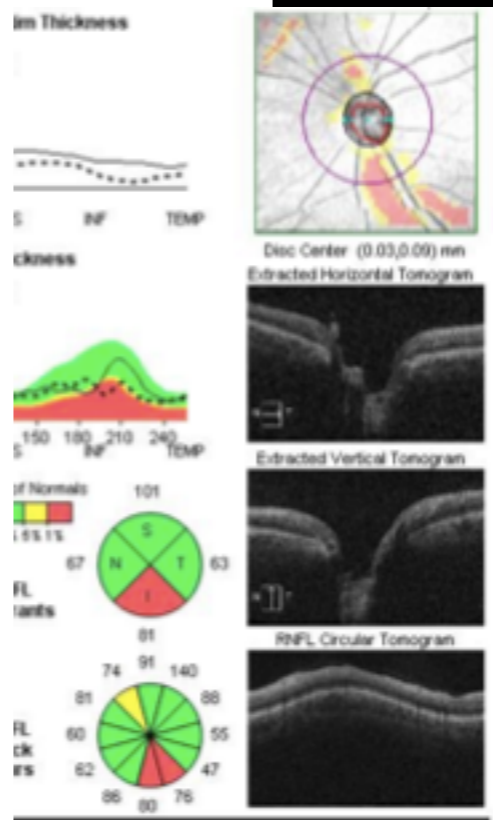


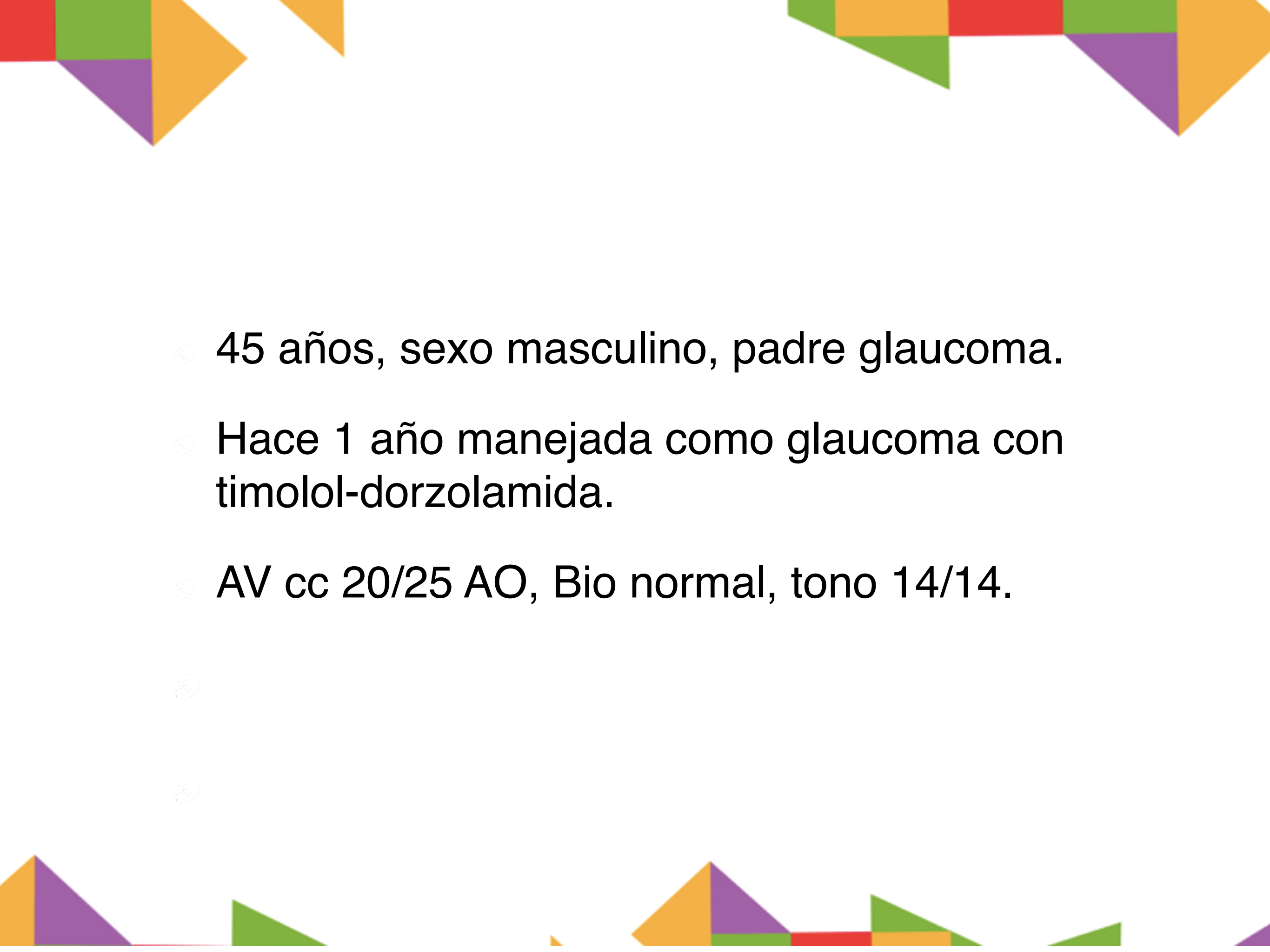
-5	-5	-13	-5	-6	-5	-13	-6								
2	0	-1	-5	-4	-10	2	-1	-2	-6	-5	-11				
0	0	-3	-3	-2	-5	-6	-31	-1	-1	-3	-3	-2	-5	-6	-32
-1	-34	-34	-16	-7	-5	-20	-18	-2	-34	-35	-16	-8	-6	-21	-19
-3	0	-2	0	-2	0	-1	-2	-3	-1	-3	-1	-2	0	-2	-3
-2	-1	1	2	-1	-1	1	-4	-3	-1	0	1	-1	-1	0	-5
1	1	0	-1	0	1	0	0	0	-1	0	0				
-3	-1	0	-1	-3	-1	-1	-1								



PHG
 Fuera de límites normales
 VFI 82%
 DM -4.67 dB P < 0.5%
 DSM 9.29 dB P < 0.5%

CLINICA OFTALMOLOGICA DE MEDELLIN
 CARRERA 30 No. 7A 30
 TEL. 3118885
 MEDELLIN

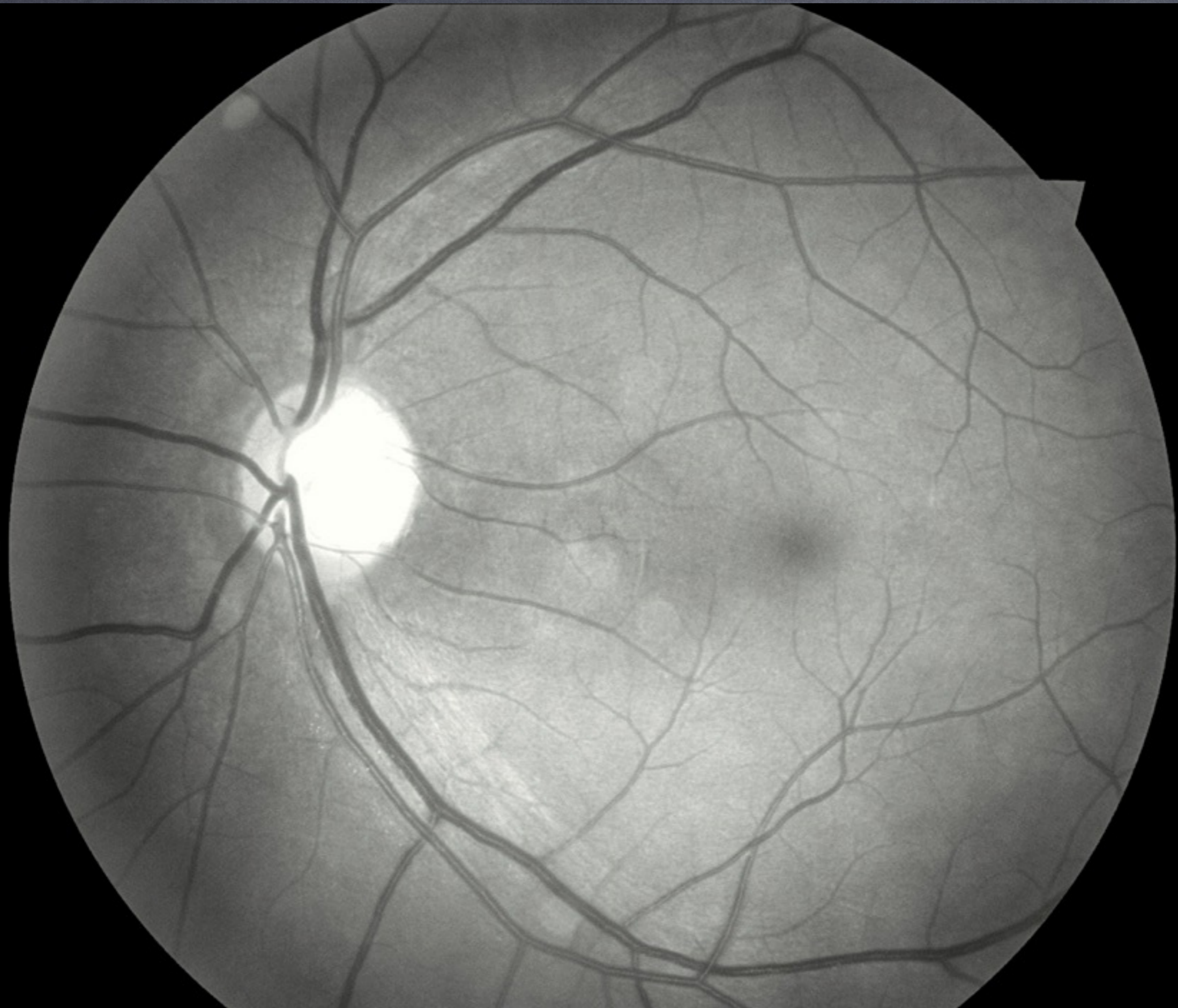


- 
- ④ 45 años, sexo masculino, padre glaucoma.
 - ④ Hace 1 año manejada como glaucoma con timolol-dorzolamida.
 - ④ AV cc 20/25 AO, Bio normal, tono 14/14.







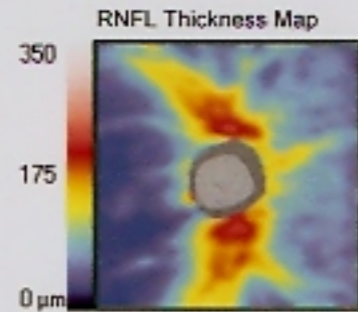


Name: **Gomescasseres Vergara, Carlos Arturo** OD OS
 ID: 92507278 Exam Date: 1/31/2011 1/31/2011 CLIN. DE OFT. SAN DIEGO
 DOB: 7/27/1968 Exam Time: 12:36 PM 12:38 PM
 Gender: Male Technician: Operator, Cirrus
 Doctor: Signal Strength: 9/10 9/10

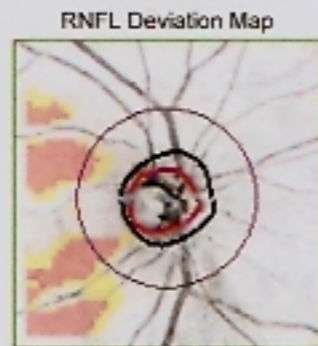
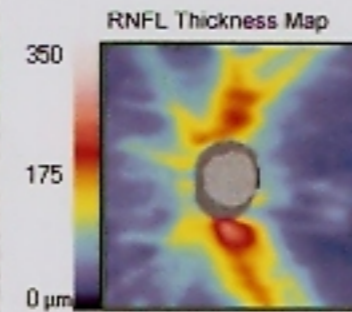


RNFL and ONH: Optic Disc Cube 200x200

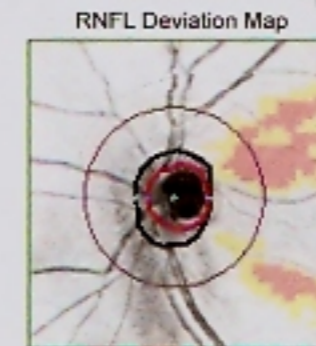
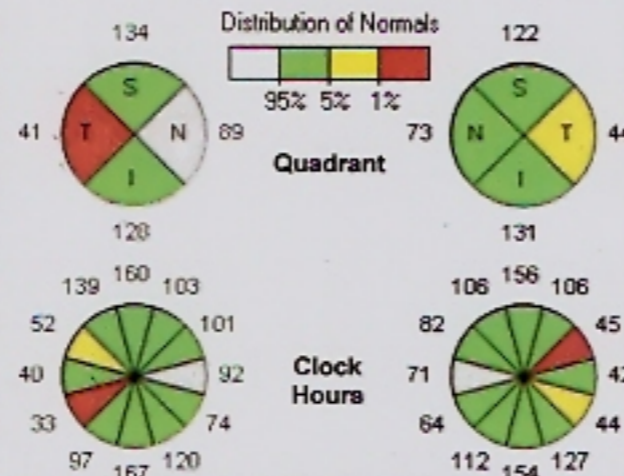
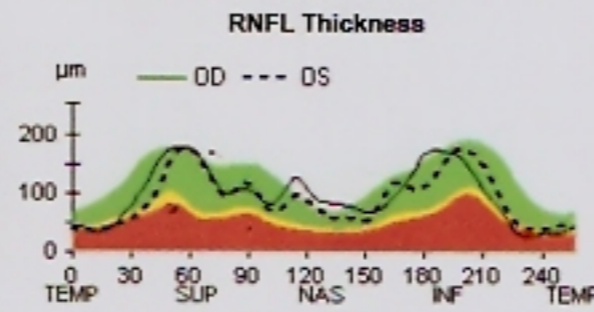
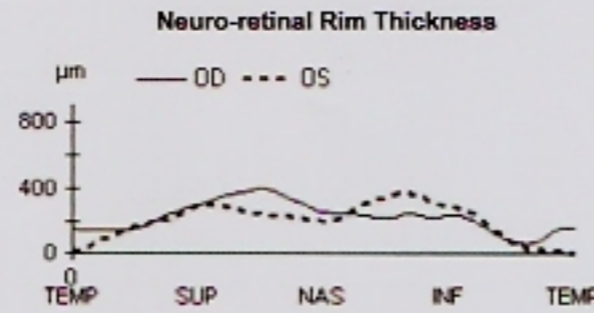
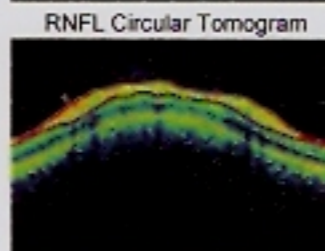
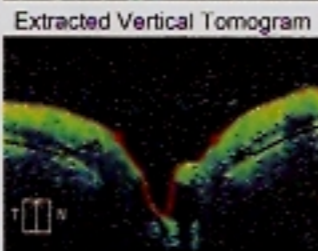
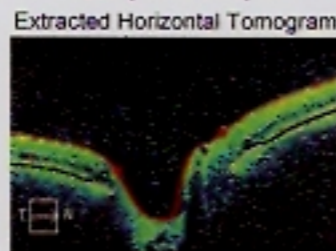
OD ● ● OS



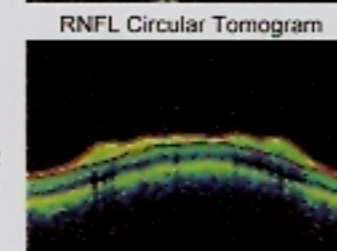
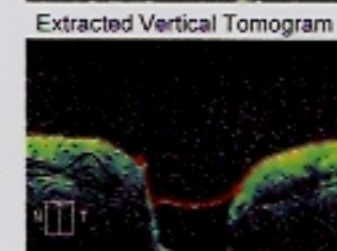
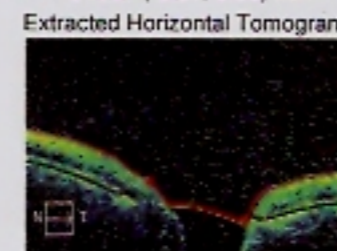
	OD	OS
Average RNFL Thickness	98 μm	92 μm
RNFL Symmetry	89%	
Rim Area	1.12 mm ²	0.99 mm ²
Disc Area	2.47 mm ²	2.21 mm ²
Average C/D Ratio	0.73	0.73
Vertical C/D Ratio	0.68	0.68
Cup Volume	0.422 mm ³	0.285 mm ³



Offset (-0.06,-0.06) mm



Offset (-0.21,-0.03) mm



Comments

Doctor's Signature

ANÁLISIS DE CAMPO ÚNICO - SITA-SWAP

OJO: DERECHO

NOMBRE: GOMESCASSARES VERGARA CARLOS
 ID: 92507278

FDN: 07-27-1966

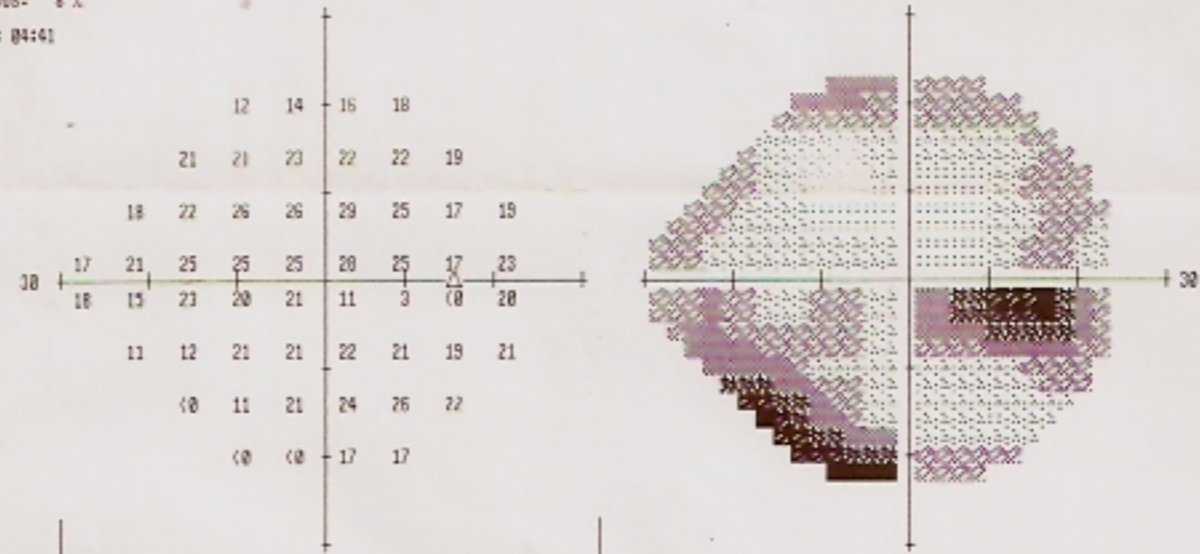
CENTRAL 24-2 PRUEBA DE UMERAL

MONITOR DE FIJACIÓN: MANCHA CIEGA
 OBJETIVO DE FIJACIÓN: CENTRAL
 PÉRDIDAS DE FIJACIÓN: 0/12
 ERRORES FALSOS POSITIVOS: 2 X
 ERRORES FALSOS NEGATIVOS: 8 X
 DURACIÓN DE LA PRUEBA: 04:41
 FOVEAL: 24 DB

ESTÍMULO: V. AZUL
 FONDO: AMARILLO
 ESTRATEGIA: SITA-SWAP

DIÁMETRO DE PUPILA:
 AGUDEZA VISUAL:
 RX: +1.50 OS -0.50 OC X 90

FECHA: 02-28-2011
 HORA: 11:29 AM
 EDAD: 44



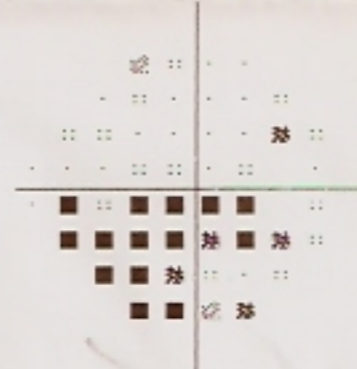
-12	-9	-7	-5				
-5	-6	-4	-5	-4	-7		
-9	-7	-4	-4	0	-4	-10	-8
-6	-6	-5	-7	-7	-3	-5	-4
-6	-13	-8	-12	-11	-20	-20	-7
-16	-18	-18	-11	-10	-9	-10	-7
-18	-18	-9	-6	-3	-6		
-29	-29	-10	-11				

-8	-5	-3	-1				
-1	-3	0	-1	0	-4		
-5	-3	0	0	4	0	-6	-4
-2	-2	-2	-3	-3	1	-2	0
-2	-9	-4	-8	-7	-17	-24	-3
-12	-14	-7	-7	-6	-5	-6	-3
-26	-14	-5	-2	1	-2		
-25	-25	-6	-7				

PHG
 FUERA DE LÍMITES NORMALES

DESVIACIÓN TOTAL

DESVIACIÓN DEL MODELO



○ < 5%
 ◐ < 2%
 ◑ < 1%
 ◒ < 0.5%

SITA-SWAP	
DM	-0.70 DB P < 0.5%
DMH	7.37 DB P < 0.5%

CLINICA DE OFTALMOLOGIA
 SAN DIEGO
 TEL: 2628363
 CRA 43 NO.30 - 28
 MEDELLIN

CENTRAL 24-2 PRUEBA DE UMBRAL

MONITOR DE FIJACIÓN: MANCHA CIEGA

ESTÍMULO: V. AZUL

DIÁMETRO DE PUPILA:

FECHA: 02-20-2011

OBJETIVO DE FIJACIÓN: CENTRAL

FONDO: AMARILLO

AGUDEZA VISUAL:

HORA: 11:35 AM

PÉRDIDAS DE FIJACIÓN: 0/12

ESTRATEGIA: SITA-SWAP

RA: +1.50 DS -0.25 DC X 90

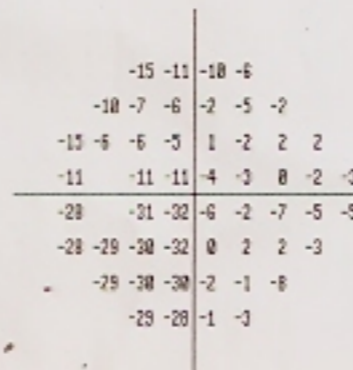
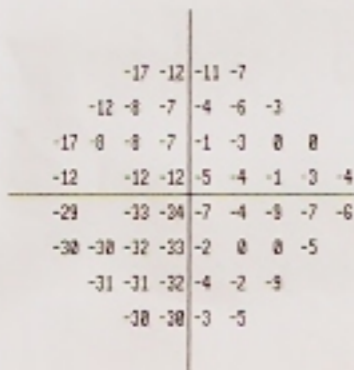
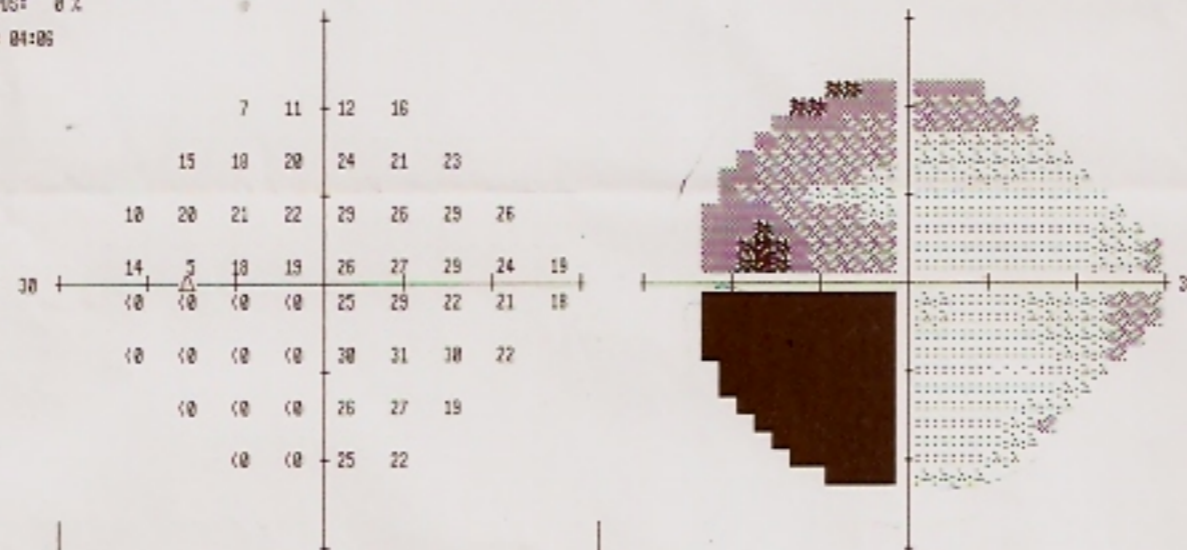
EDAD: 44

ERRORES FALSOS POSITIVOS: 6 %

ERRORES FALSOS NEGATIVOS: 0 %

DURACIÓN DE LA PRUEBA: 04:05

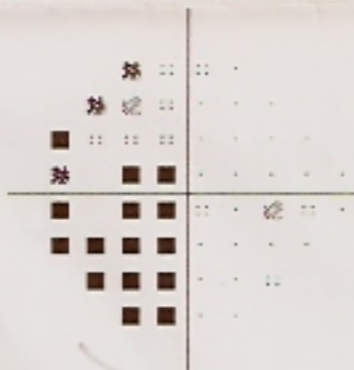
FOVEAL: 21 DB



PHC
FUERA DE LÍMITES NORMALES

DESVIACIÓN TOTAL

DESVIACIÓN DEL MODELO



● (5%
○ (2%
■ (1%
■ (0.5%

SITA-SWAP	
DM	-11.95 DB P (0.5%
DSM	12.49 DB P (0.5%

CLINICA DE OFTALMOLOGIA
SAN DIEGO
TEL: 2026363
CRA 43 NO.30 - 20
MEDELLIN

CEMEDI 2 A
GOMES CASSERES VERGARA ... HRA
4109071-A
STUDY 1
12/09/2011
8:14:16 AM



CONTRASTADA
W 1434
410.512 I
Fov 200.200 BW 140.0
SL 2.80 52 TE 15.0
TR 407.0

CEMEDI 2 A
GOMES CASSERES VERGARA ... HRA
4109071-A
STUDY 1
12/09/2011
8:14:16 AM

CEMEDI 2 A
GOMES CASSERES VERGARA ... HRA
4109071-A
STUDY 1
12/09/2011
8:14:16 AM



CONTRASTADA
W 1434
410.512 I
Fov 200.200 BW 140.0
SL 2.80 52 TE 15.0
TR 407.0

CEMEDI 2 A
GOMES CASSERES VERGARA ... HRA
4109071-A
STUDY 1
12/09/2011
8:14:16 AM

PACIENTE: CARLOS ARTURO GOMESCASESERES VERGARA
IDENTIFICACIÓN: CC.92.507.278
EXAMEN: RESONANCIA CEREBRAL CONTRASTADA
REMITENTE: SURAMERICANA
FECHA ESTUDIO: 15 de septiembre de 2011
FECHA LECTURA: 16 de septiembre de 2011

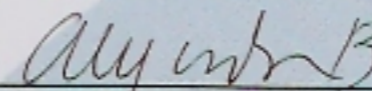
TÉCNICA:

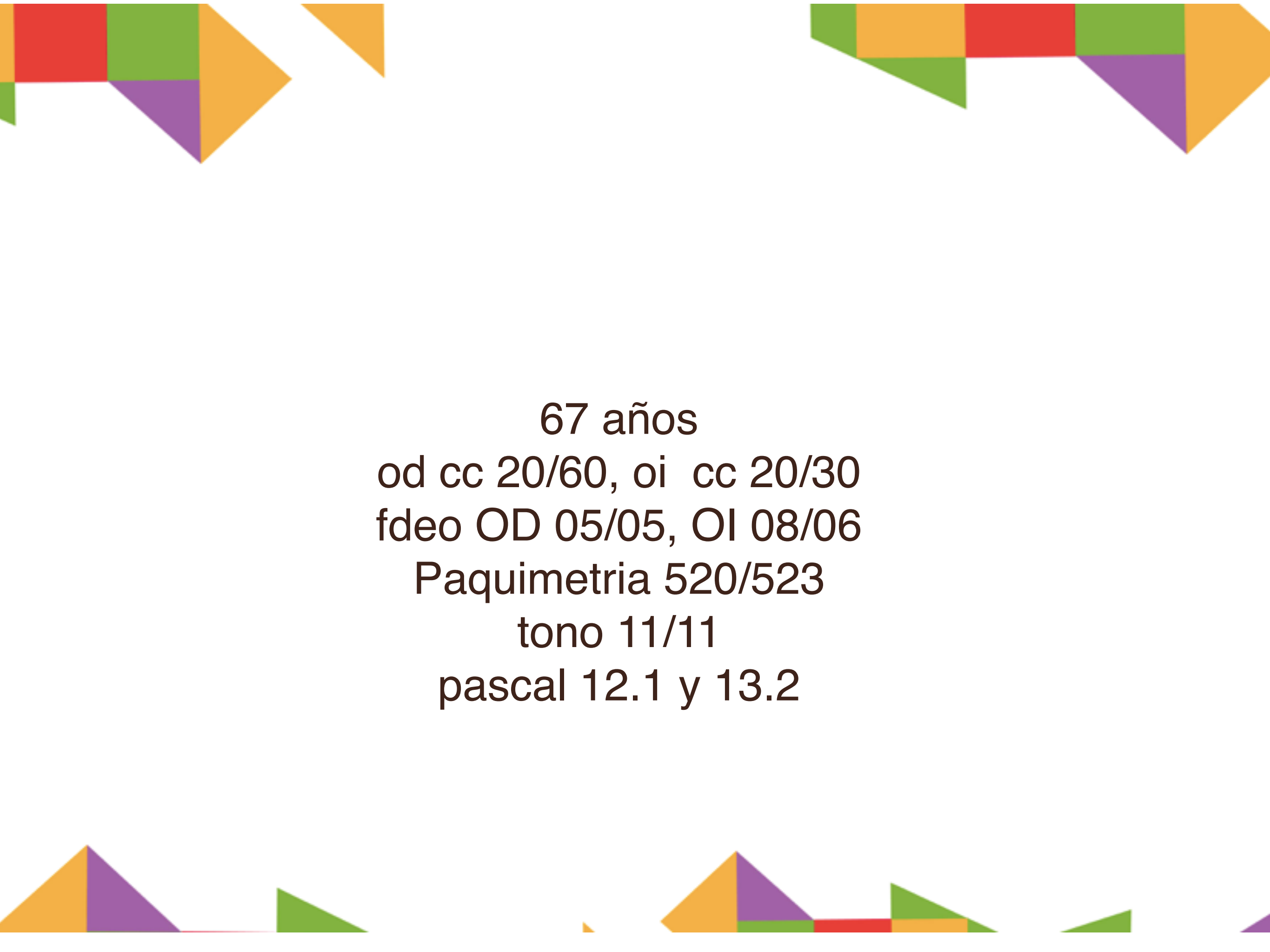
Con resonador de 1.5 Tesla se obtienen imágenes multiplanares del encéfalo en secuencias de T1 antes y después de la administración de gadolinio (Gadopentetato de Dimeglumina), T2 y FLAIR. Se agregó técnica de difusión.

HALLAZGOS:

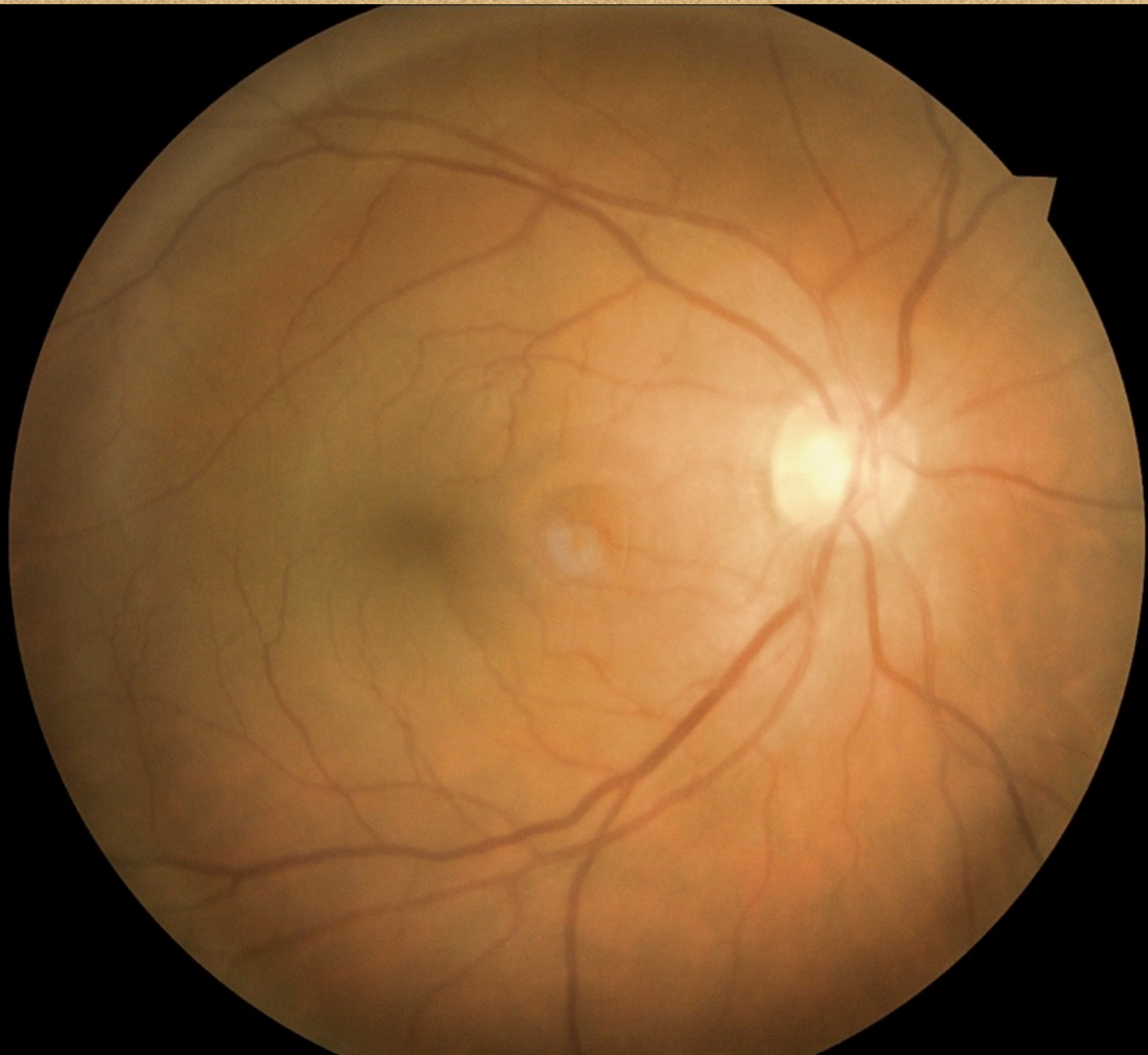
Existe ensanchamiento de la silla turca con extensión al seno esfenoidal, erosión del piso de la silla y extensión supraselar de la lesión la cual desplaza marcadamente el quiasma óptico, la lesión mide aproximadamente en el diámetro cefalocaudal 30mm, capta con el gadolinio ávidamente y sugiere un macroadenoma hipofisario y muy probablemente este explicando los síntomas visuales.

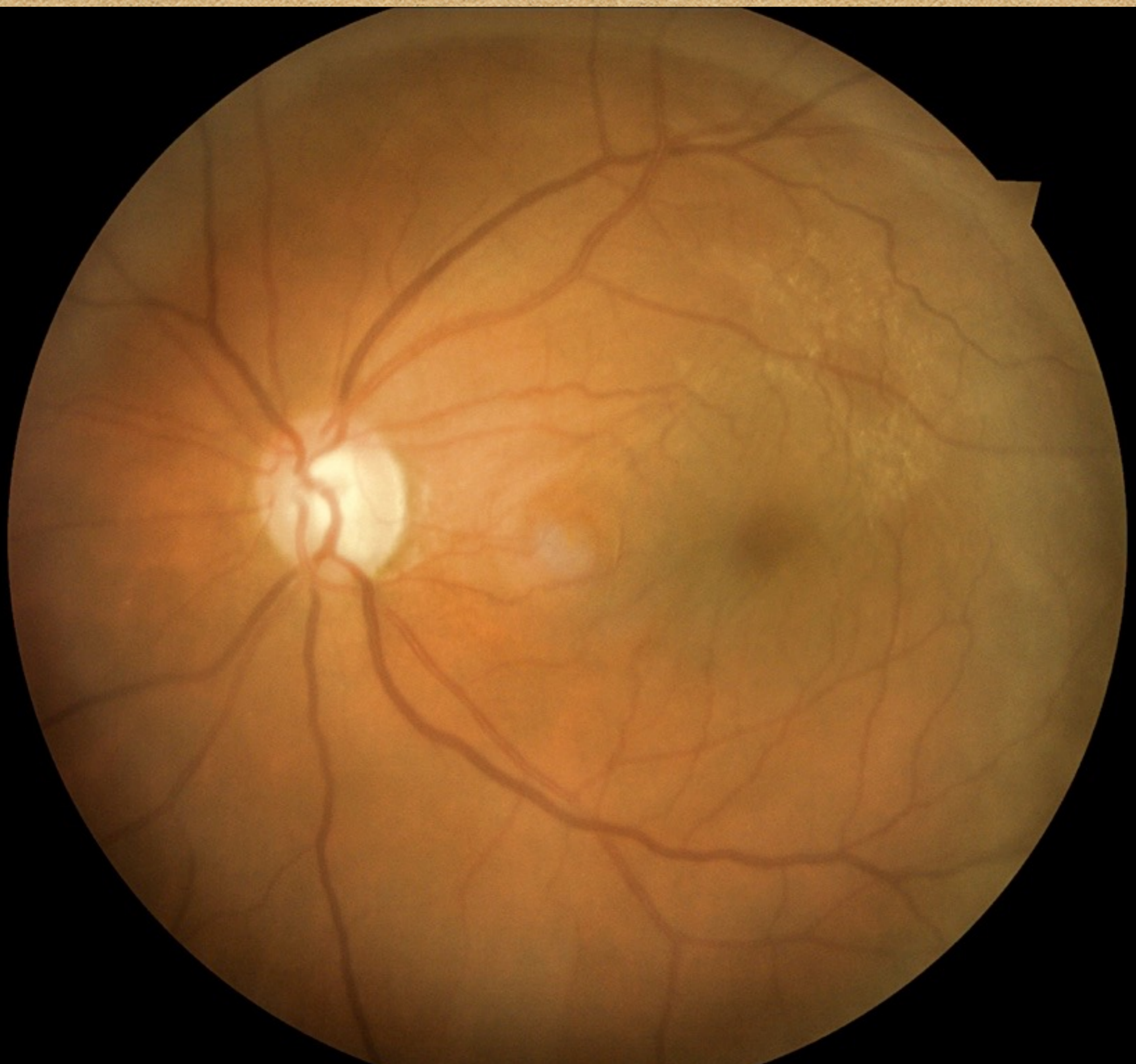
DR. SERGIO ALBERTO VARGAS VÉLEZ
Neurorradiólogo
Reg. 0553/89
MMCR.


VºBº. Radiólogo



67 años
od cc 20/60, oi cc 20/30
fdeo OD 05/05, OI 08/06
Paquimetria 520/523
tono 11/11
pascal 12.1 y 13.2

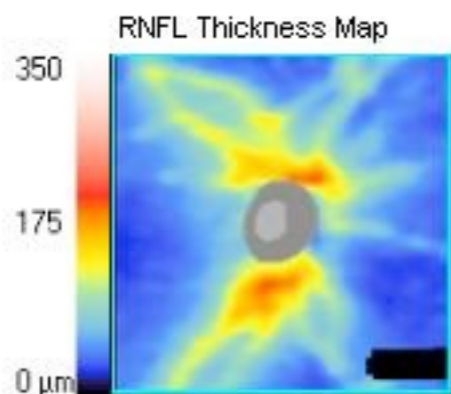




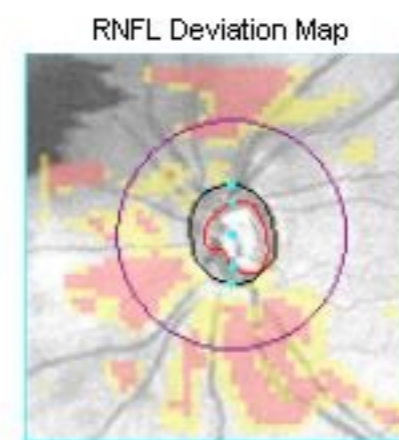
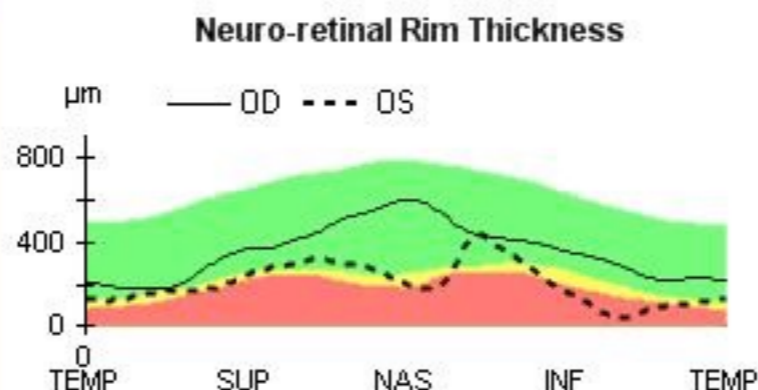
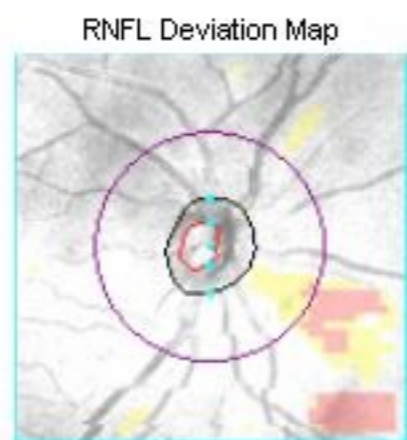
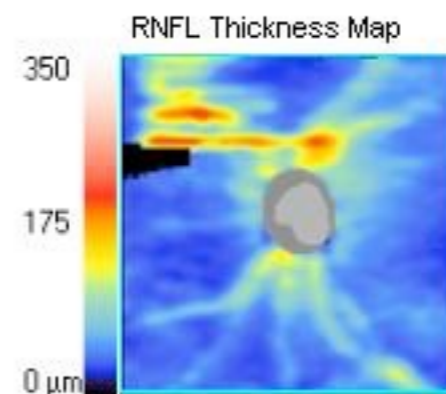
ID: 32328795
 DOB: 2/10/1947
 Gender: Female
 Doctor:

Exam Date: 2/16/2015
 Exam Time: 3:18 PM 3:20 PM
 Serial Number: 4000-5235 4000-5235
 Signal Strength: 5/10 3/10

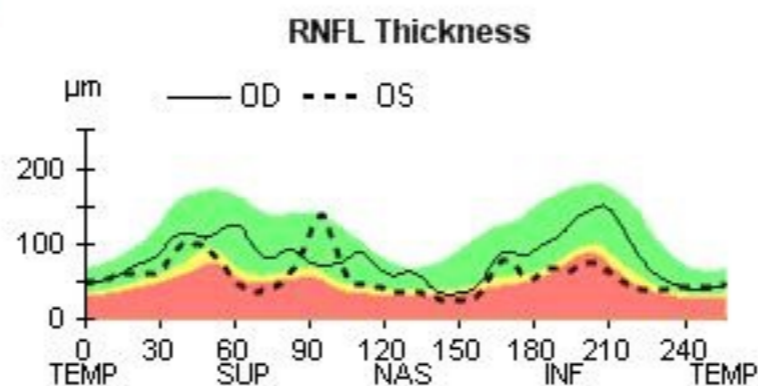
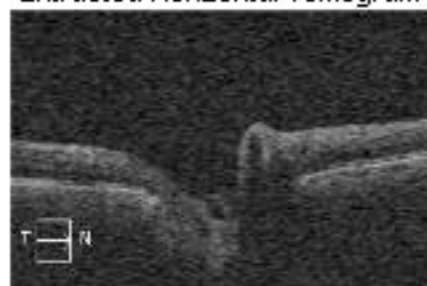
ONH and RNFL OU Analysis: Optic Disc Cube 200x200 **OD** **OS**



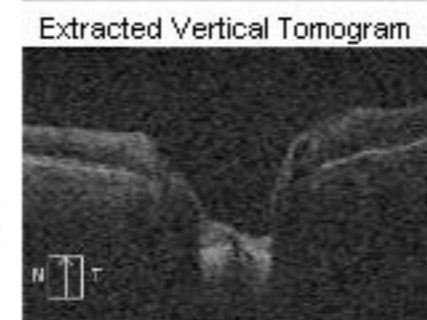
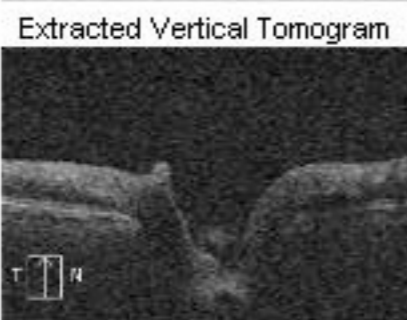
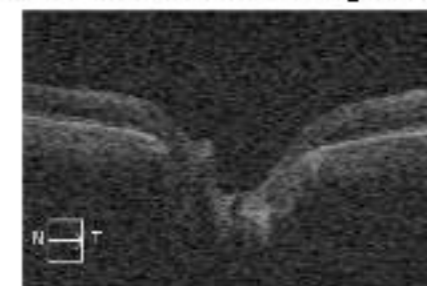
	OD	OS
Average RNFL Thickness	82 μm	59 μm
RNFL Symmetry	46%	
Rim Area	1.18 mm^2	0.78 mm^2
Disc Area	1.52 mm^2	1.56 mm^2
Average C/D Ratio	0.47	0.70
Vertical C/D Ratio	0.49	0.73
Cup Volume	0.089 mm^3	0.279 mm^3



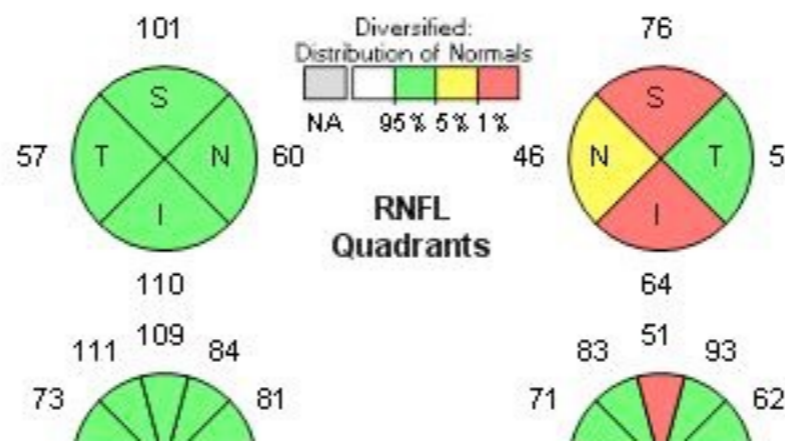
Disc Center(-0.06,0.06)mm
 Extracted Horizontal Tomogram



Disc Center(0.12,0.24)mm
 Extracted Horizontal Tomogram



RNFL Circular Tomogram



RNFL Circular Tomogram



Name: **GARCES BOTERO, MARTHA LUCIA** **OD** **OS**

ID: 32328795 Exam Date: 2/16/2015 2/16/2015 CZMI

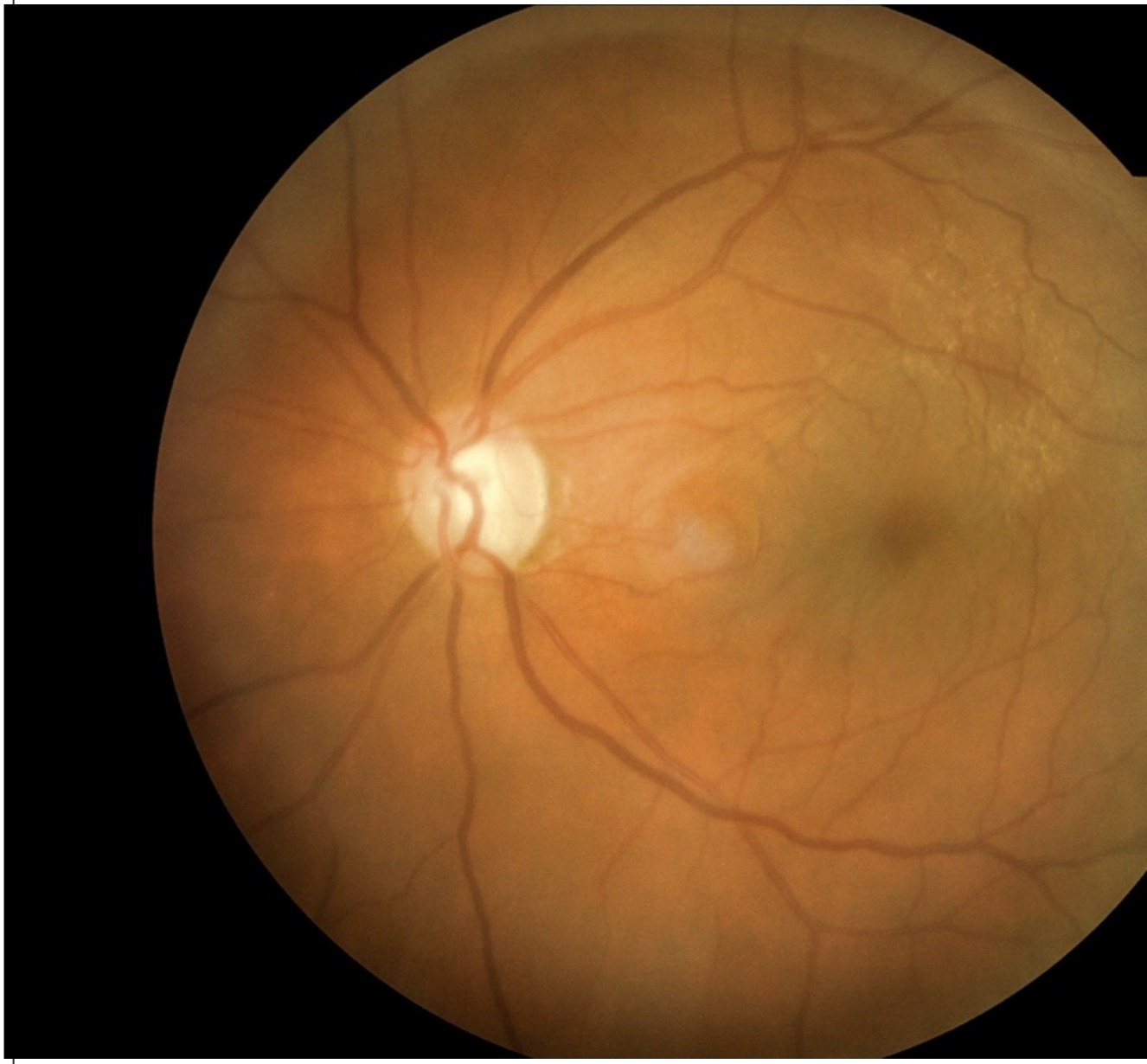
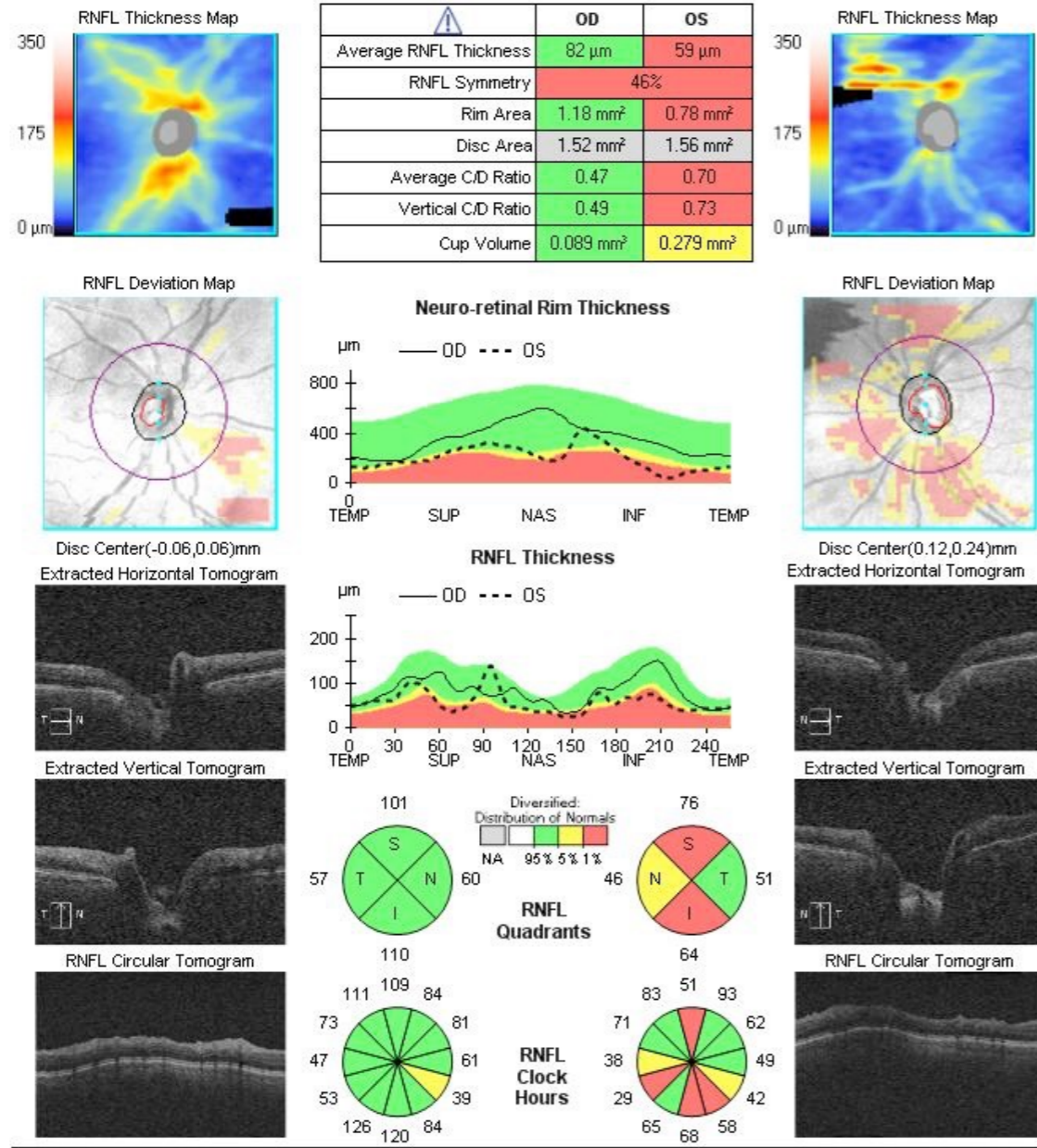
DOB: 2/10/1947 Exam Time: 3:18 PM 3:20 PM

Gender: Female Serial Number: 4000-5235 4000-5235

Doctor: Signal Strength: 5/10 3/10



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



Comments

Doctor's Signature

CENTRAL 24-2 PRUEBA DE UMBRAL

MONITOR DE FIJACIÓN: APAGADO

ESTÍMULO: III, BLANCO

DIÁMETRO DE PUPILA:

FECHA: 11-22-2010

OBJETIVO DE FIJACIÓN: CENTRAL

FONDO: 31.5 ASB

AGUDEZA VISUAL:

HORA: 10:50 AM

PÉRDIDAS DE FIJACIÓN: 0/0

ESTRATEGIA: SITA-STANDARD

RX: +0.00 DS DC X

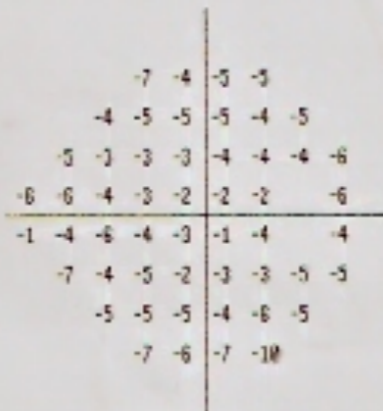
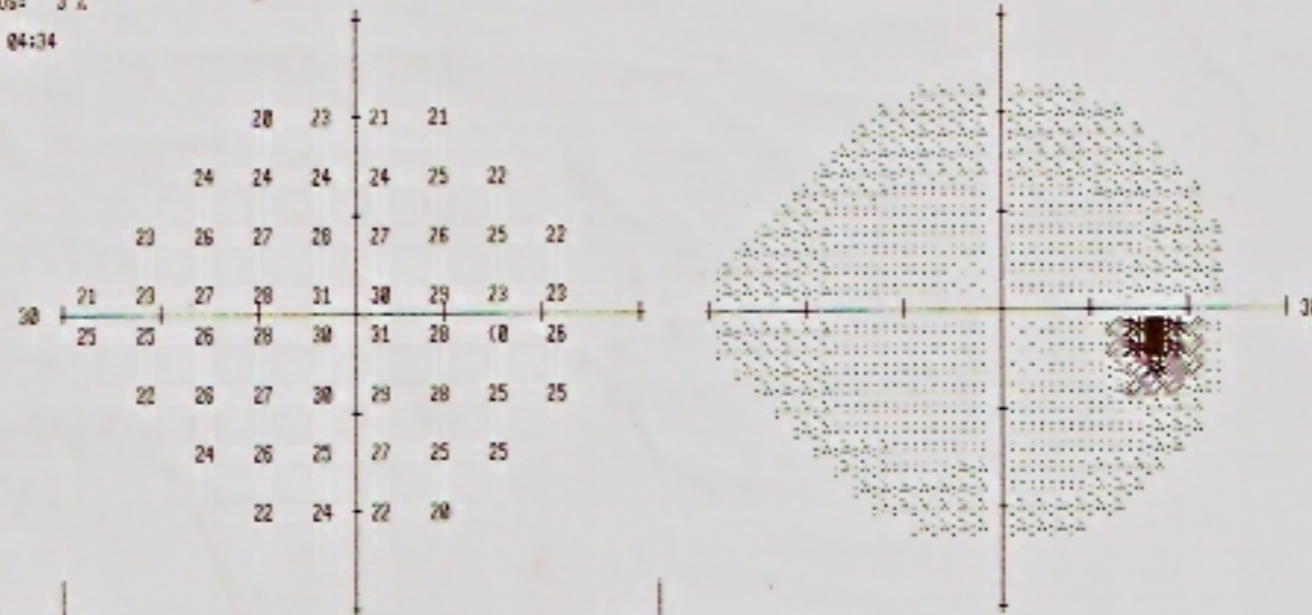
EDAD: 63

ERRORES FALSOS POSITIVOS: 1 %

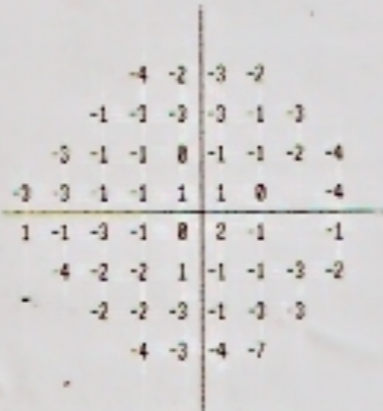
ERRORES FALSOS NEGATIVOS: 0 %

DURACIÓN DE LA PRUEBA: 04:34

FOVEAL: 31.00 dB



DESVIACIÓN TOTAL



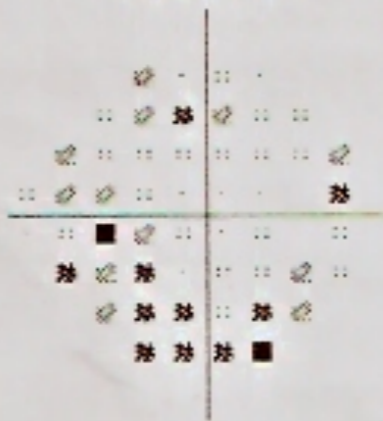
DESVIACIÓN DEL MODELO

PAC
 CASO DUDOSO/REDUCCION GENERAL

VFI 95%

DM -4.18 DB P < 0.5%

DSM 1.77 DB



○ < 5%

◐ < 2%

◑ < 1%

■ < 0.5%

CLINICA OFTALMOLOGICA DE MEDELLIN
 CARRERA 38 NO. 79 30
 TEL. 3118805
 MEDELLIN

ANÁLISIS DE CAMPO ÚNICO

OJO: IZQUIERDO

NOMBRE: MARTHA GARCÉS BOTERO
 ID: 32328795

FDN: 02-10-1947

CENTRAL 24-2 PRUEBA DE UMRAL

MONITOR DE FIJACIÓN: APAGADO

ESTÍMULO: III- BLANCO

DIÁMETRO DE PUPILA:

FECHA: 11-22-2018

OBJETIVO DE FIJACIÓN: CENTRAL

FONDO: 31.5 ASB

AGUDEZA VISUAL:

HORA: 10:36 AM

PROVIDAS DE FIJACIÓN: 0/0

ESTRATEGIA: SITA-STANDARD

RA: +0.00 DS BC X

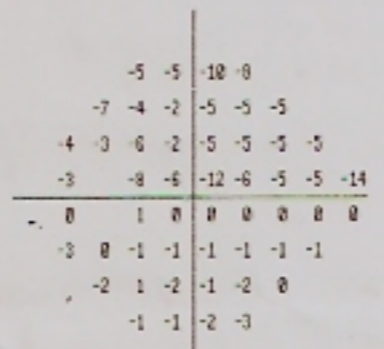
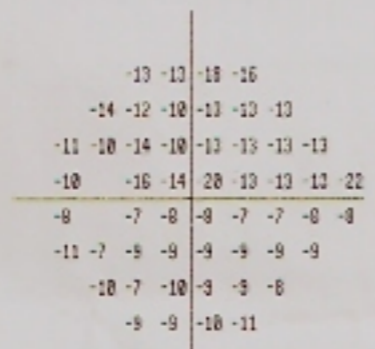
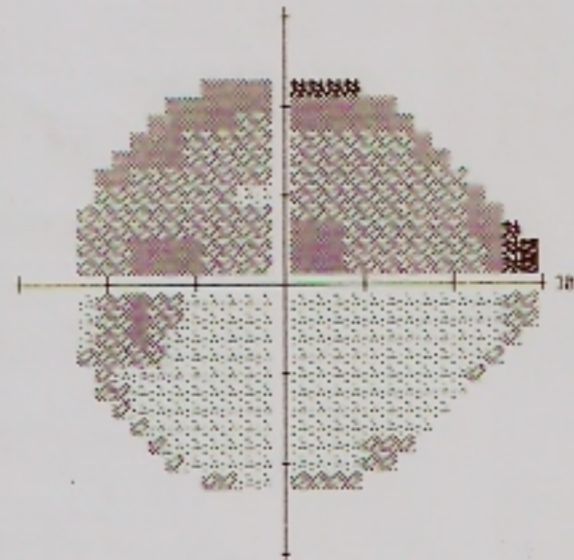
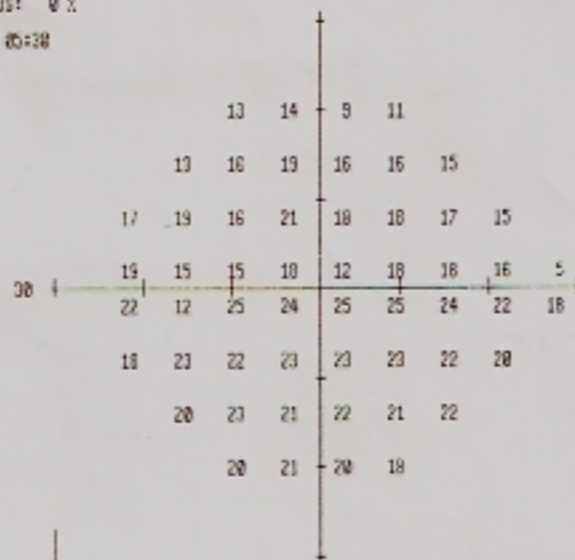
EDAD: 63

ERRORES FALSOS POSITIVOS: 0 X

ERRORES FALSOS NEGATIVOS: 0 X

DURACIÓN DE LA PRUEBA: 05:38

FOVEAL: 25 DB ■



PHD
 FUERA DE LÍMITES NORMALES

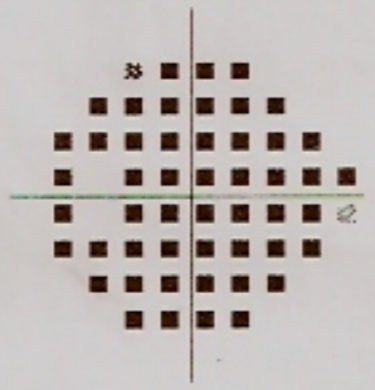
MTI 00%

DM -10.04 DB P < 0.5%

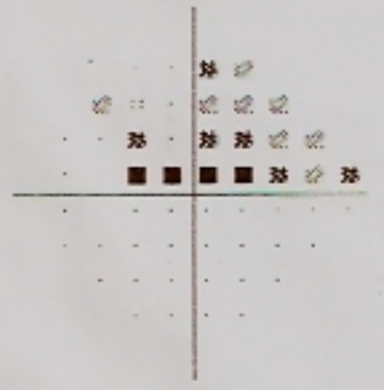
DSM 3.38 DB P < 1%

DESVIACIÓN TOTAL

DESVIACIÓN DEL MODELO





○ < 5%
 ◐ < 2%
 ◑ < 1%
 ■ < 0.5%



CLINICA OFTALMOLOGICA DE MEDELLIN
 CARRERA 38 NO. 79 30
 TEL. 3118885
 MEDELLIN



- 
- The top corners of the slide feature decorative geometric patterns. The top-left corner has a cluster of overlapping triangles in red, green, orange, and purple. The top-right corner has a similar cluster with green, orange, red, purple, and orange triangles.
- ◆ 51 años
 - ◆ pío 14 y 16
 - ◆ f de ojo ver
 - ◆ le dijeron que tenía glaucoma
- 
- The bottom corners of the slide also feature decorative geometric patterns. The bottom-left corner has overlapping triangles in orange, purple, and green. The bottom-right corner has a similar pattern with orange, purple, green, red, and orange triangles.





Name: **VELASQUEZ GONZALEZ, RAMIRO** **OD** **OS**

ID: 71626214 Exam Date: 4/9/2014 4/9/2014 CZMI

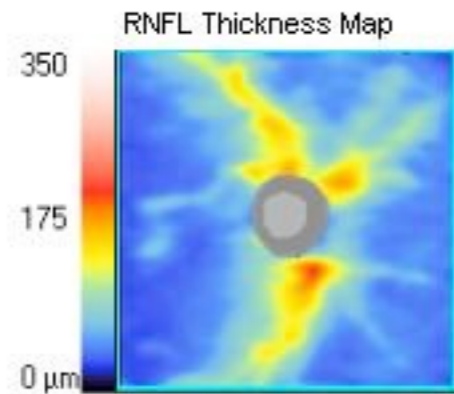
DOB: 1/7/1963 Exam Time: 10:00 AM 10:00 AM

Gender: Male Serial Number: 4000-5235 4000-5235

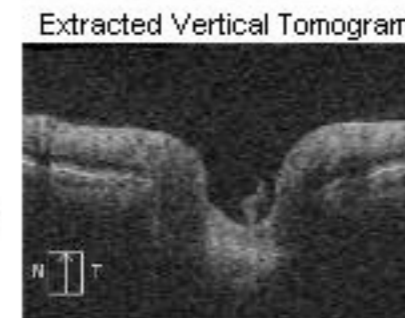
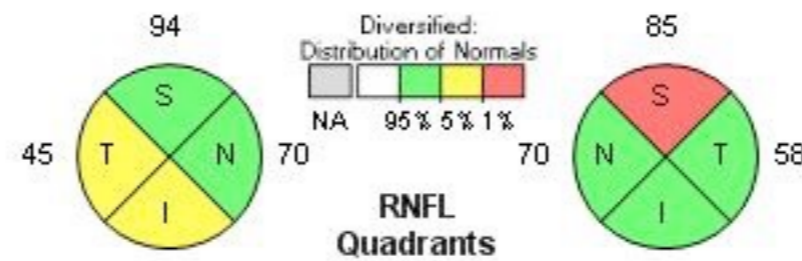
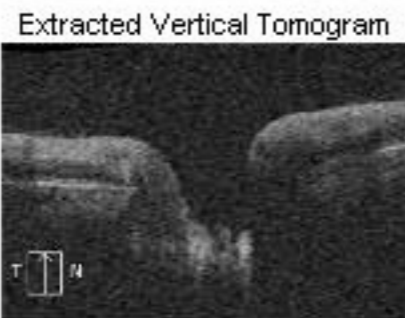
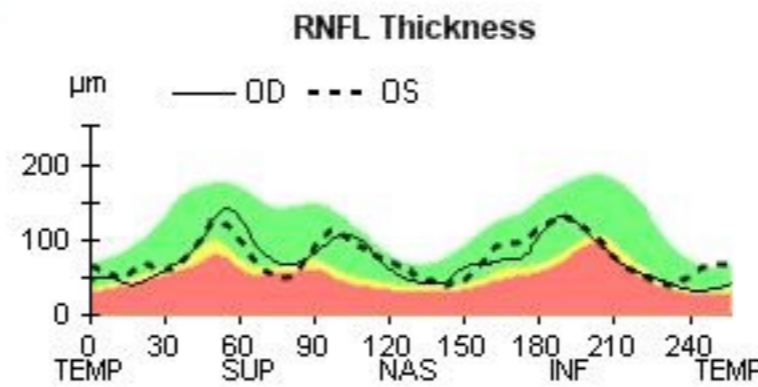
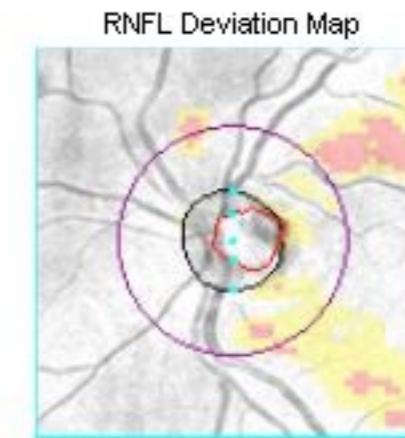
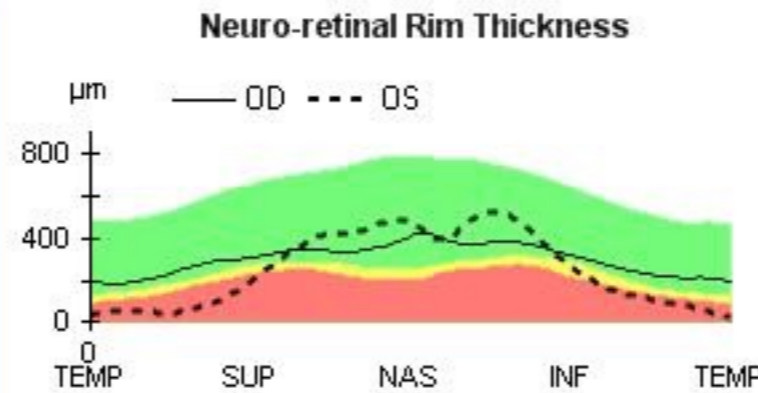
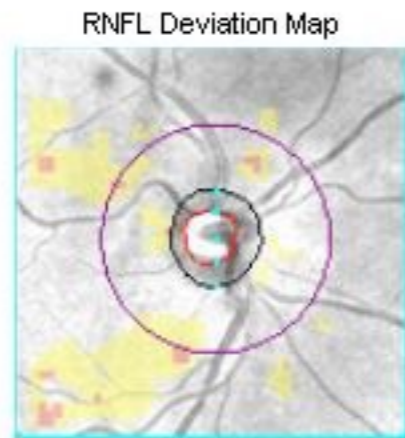
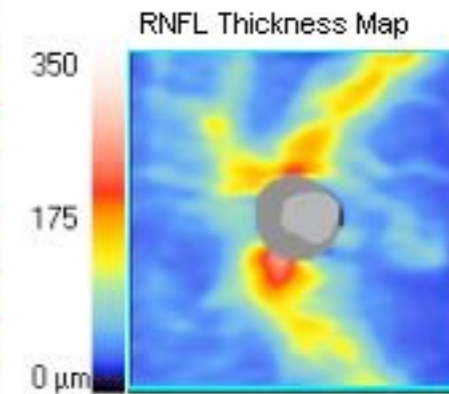
Doctor: Signal Strength: 7/10 8/10



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



	OD	OS
Average RNFL Thickness	75 μm	78 μm
RNFL Symmetry	88%	
Rim Area	1.07 mm ²	1.10 mm ²
Disc Area	1.57 mm ²	1.81 mm ²
Average C/D Ratio	0.58	0.63
Vertical C/D Ratio	0.57	0.63
Cup Volume	0.228 mm ³	0.253 mm ³

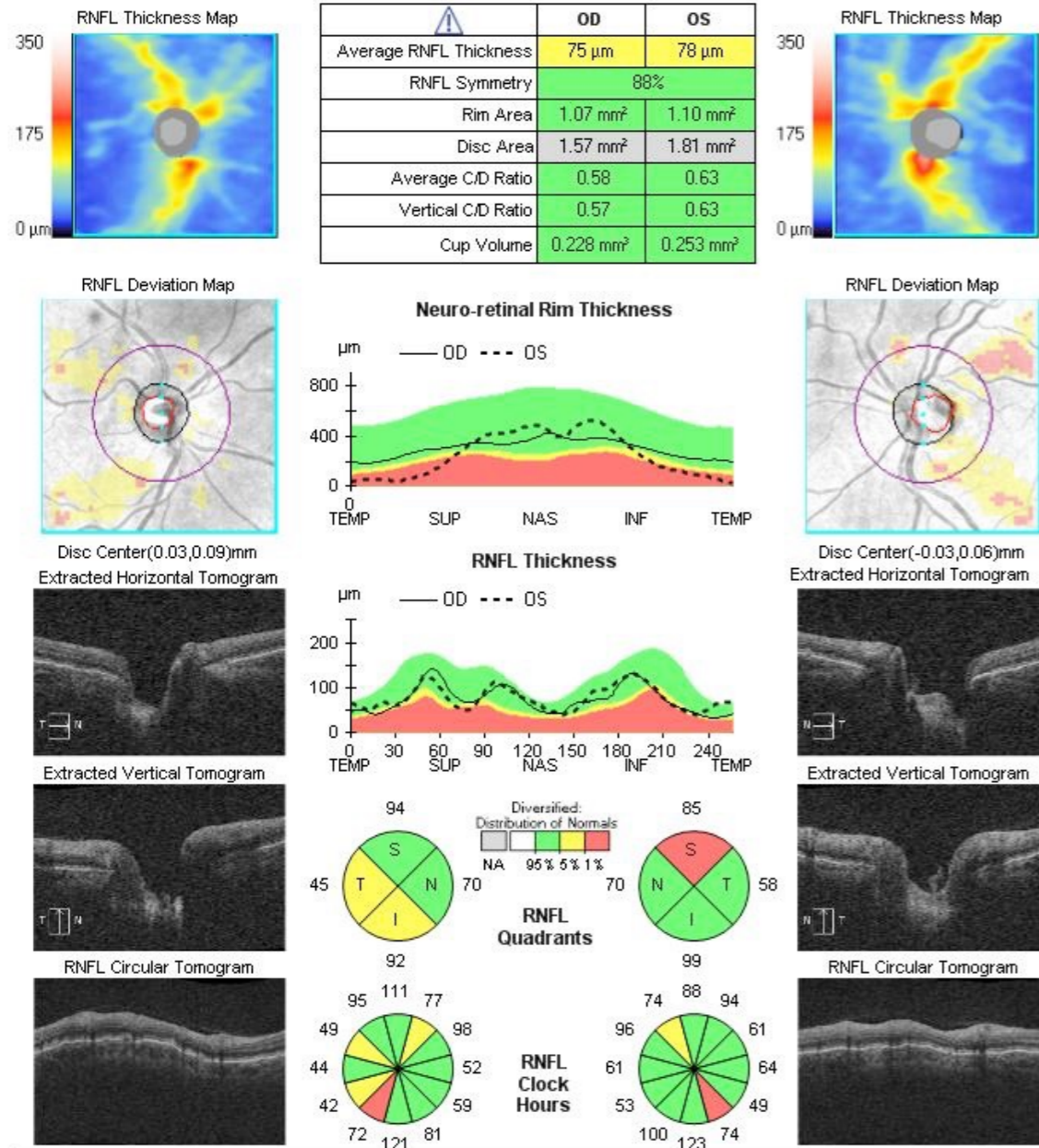


RNFL Circular Tomogram

Name: **VELASQUEZ GONZALEZ, RAMIRO** **OD** **OS**
 ID: 71626214 Exam Date: 4/9/2014 4/9/2014 CZMI
 DOB: 1/7/1963 Exam Time: 10:00 AM 10:00 AM
 Gender: Male Serial Number: 4000-5235 4000-5235
 Doctor: Signal Strength: 7/10 8/10



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



Comments

Doctor's Signature



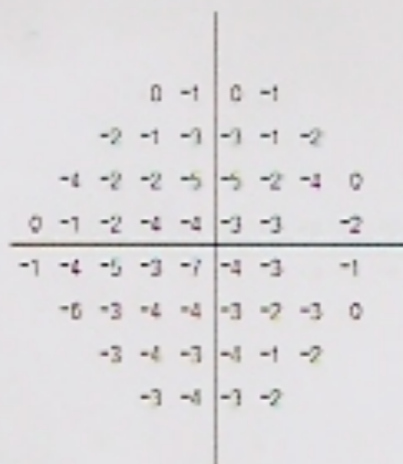
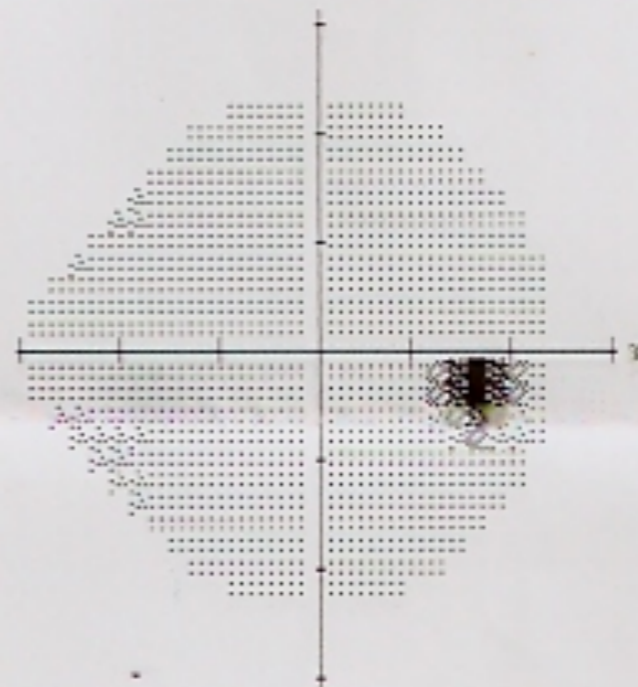
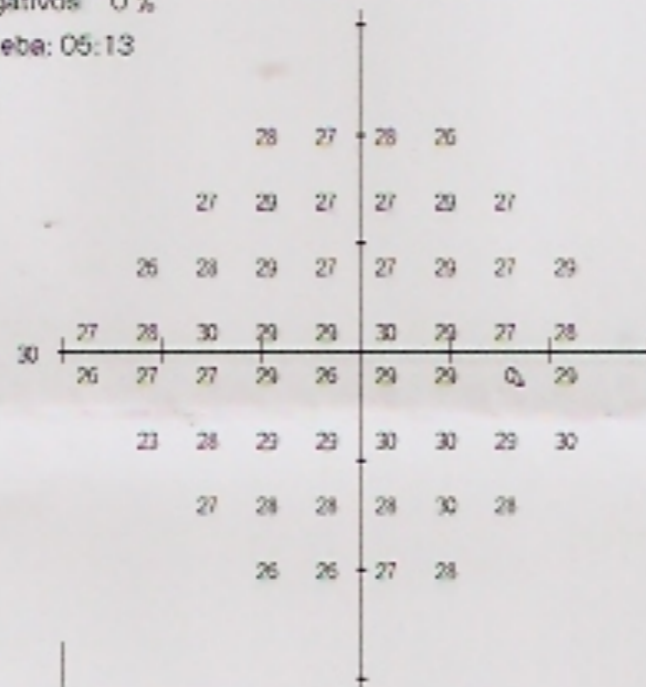
Monitor de fijación: Mirada/Punto ciego
Objetivo de fijación: Central
Pérdidas de fijación: 2/14
Errores falsos positivos: 3 %
Errores falsos negativos: 0 %
Duración de la prueba: 05:13

Estímulo: III, Blanco
Fondo: 31.5 ASB
Estrategia: SITA-Standard

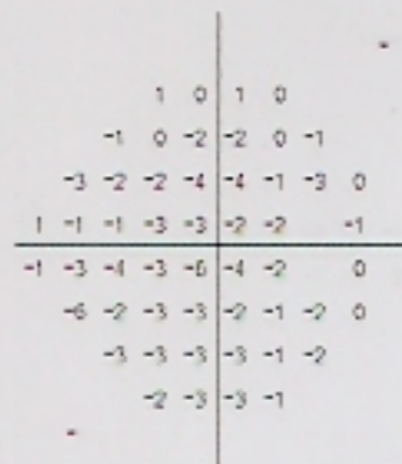
Diámetro de pupila: 6.7 mm
Agudeza visual:
RX DS -2.00 DC X 110

Fecha: 03-04-2011
Hora: 4:29 PM
Edad: 48

Foveal: 33 dB ::



Desviación total



Desviación del modelo

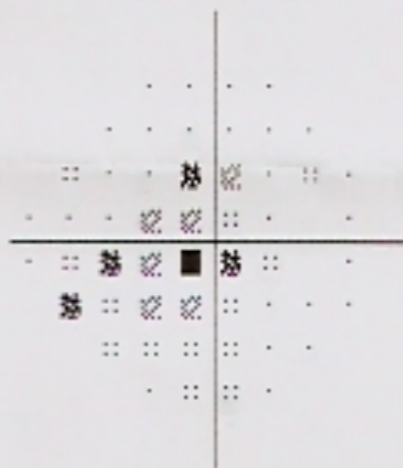
PHG

Caso dudoso

VFI 96%

DM -2.96 dB P < 2%

DSM 1.55 dB



:: < 5%
⊗ < 2%
⊗ < 1%
■ < 0.5%

CLINICA CLOFAN
CARRERA 48 19 A 40 AVENIDA LAS VEGAS
444 00 90
FAX 513 23 55

Central 24-2 Prueba de umbral

Monitor de fijación: Mirada/Punto ciego

Estimulo: III, Blanco

Diámetro de pupila: 5.5 mm

Fecha: 03-04-2011

Objetivo de fijación: Central

Fondo: 31.5 ASB

Agudeza visual:

Hora: 4:40 PM

Pérdidas de fijación: 0/15

Estrategia: SITA-Standard

RX: DS -1.25 DC X 60

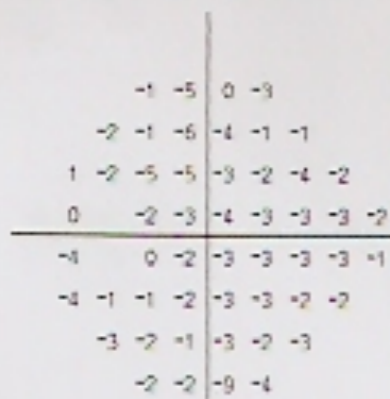
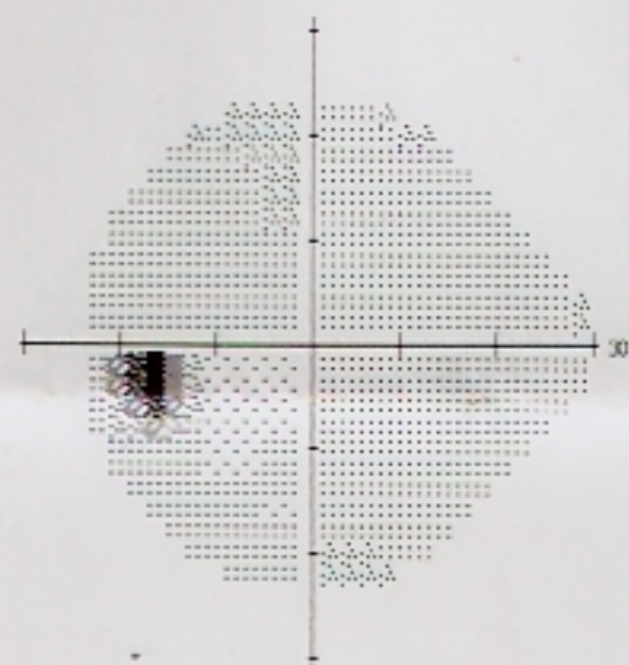
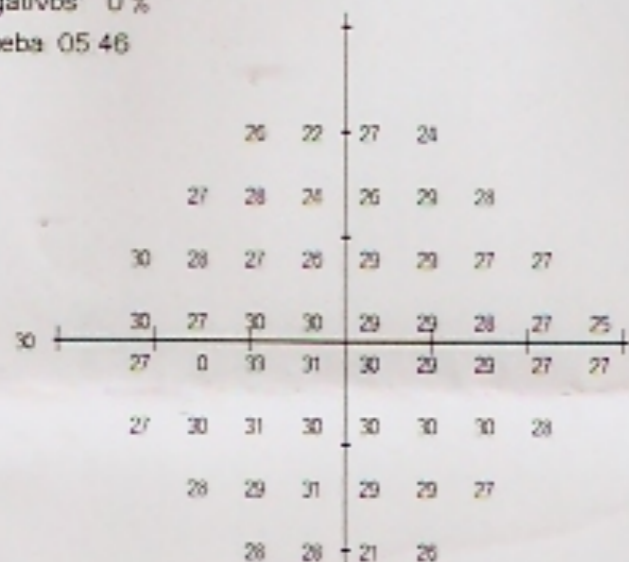
Edad: 48

Errores falsos positivos: 2 %

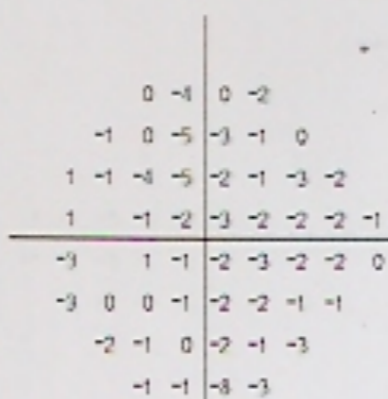
Errores falsos negativos: 0 %

Duración de la prueba: 05:46

Foveal: 35 dB



Desviación total



Desviación del modelo

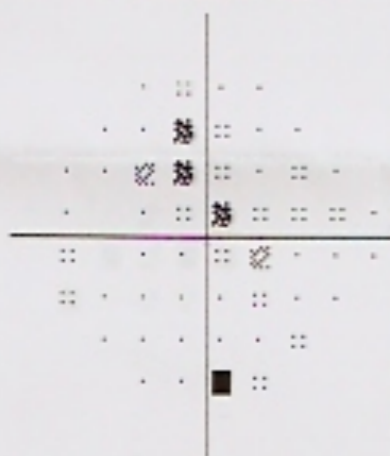
PHG

Dentro de límites normales

VFI 99%

DM -2.68 dB P < 2%

DSM 1.63 dB



:: < 5%



⊗ < 2%

⊗ < 1%

CLINICA CLOFAN

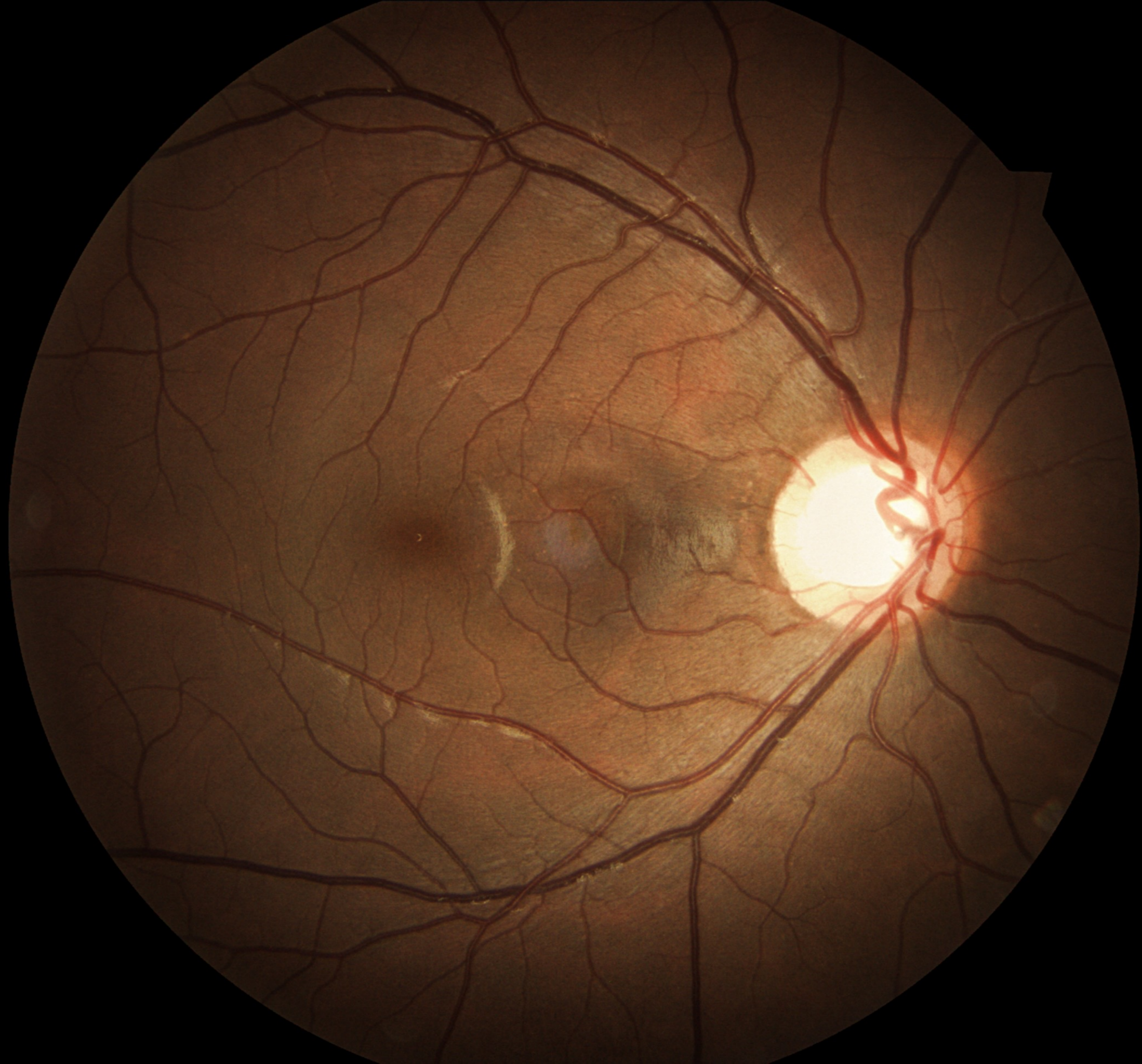
CARRERA 4B 19 A 40 AVENIDA LAS VEGAS

444 00 90

- 
- pcte de 27 años, masculino,asintomático excava grandes
- 

PACIENTE: 13339-SERGIO-NO APLICA-VELASQUEZ-ARISTIZABL-1128407238

FECHA	AV CS		AV CC		AV SC		PlmmHg		Tipo
	OD	OI	OD	OI	OD	OI	OD	OI	Registro
2008-02-06	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	11	10	HISTORIA
2009-02-26	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	18	18	HISTORIA
2011-04-12	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	16	16	HISTORIA
2011-05-27	NO APLICA	NO APLICA	NO APLICA	NO APLICA	0	0	14	14	SEGUIMIENTO
2012-01-26	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	17	17	HISTORIA
2013-01-14	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	14	14	HISTORIA
2014-02-10	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	14	14	HISTORIA
2015-02-06	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	16	16	HISTORIA





Name: **VELASQUEZ, SERGIO**

OD

OS



ID: 1128407238

Exam Date: 2/4/2015

2/4/2015

CZMI

DOB: 8/25/1987

Exam Time: 3:30 PM

3:31 PM

Gender: Male

Serial Number: 4000-5235

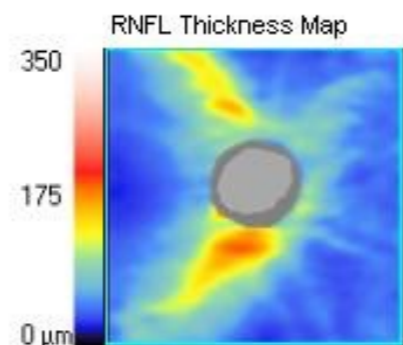
4000-5235

Doctor:

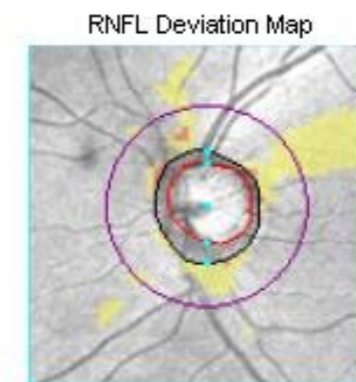
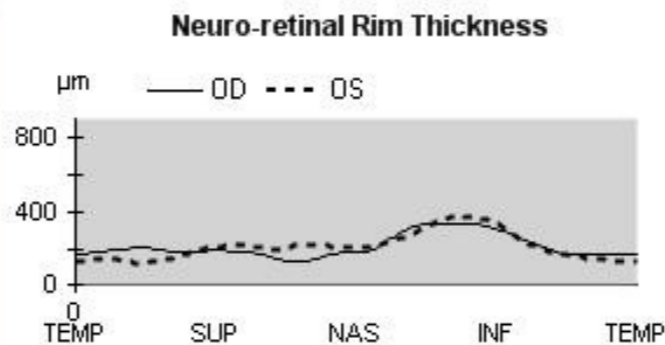
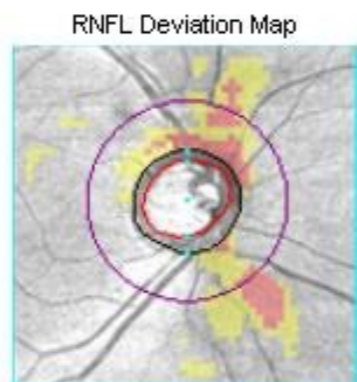
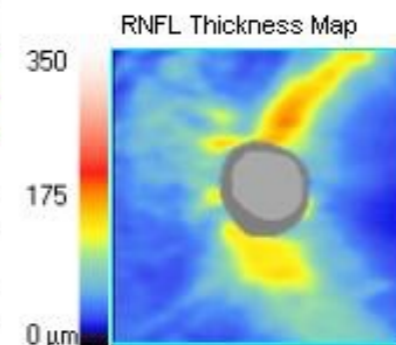
Signal Strength: 6/10

7/10

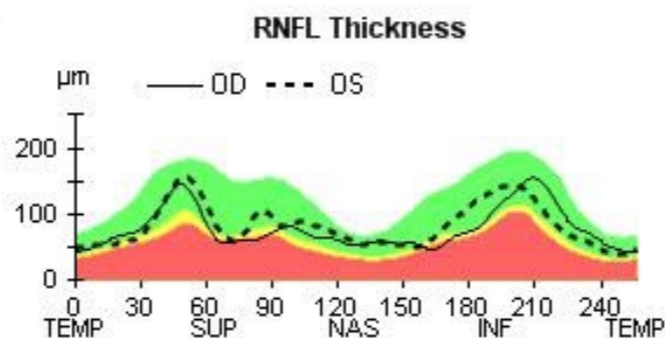
ONH and RNFL OU Analysis: Optic Disc Cube 200x200 **OD** **OS**



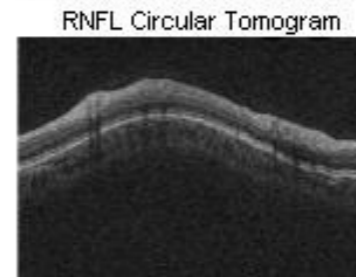
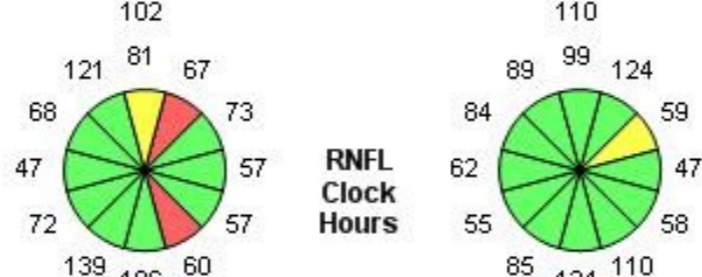
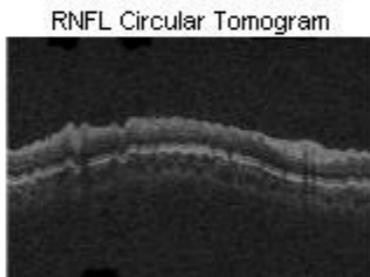
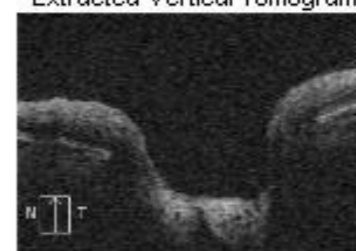
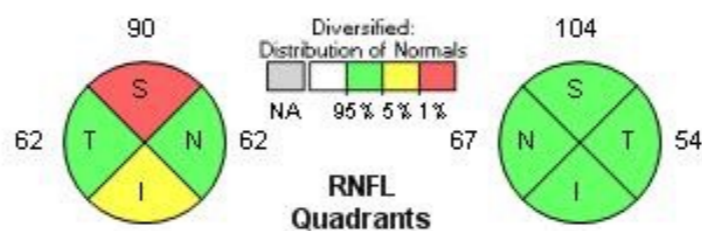
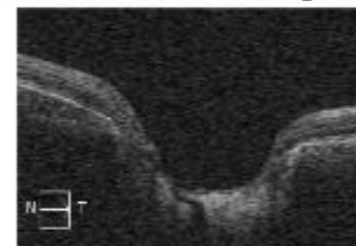
	OD	OS
Average RNFL Thickness	79 μm	84 μm
RNFL Symmetry	83%	
Rim Area	1.06 mm ²	1.14 mm ²
Disc Area	2.59 mm ²	2.79 mm ²
Average C/D Ratio	0.77	0.77
Vertical C/D Ratio	0.73	0.71
Cup Volume	0.740 mm ³	0.803 mm ³



Disc Center(0.00,0.30)mm
Extracted Horizontal Tomogram



Disc Center(0.06,0.21)mm
Extracted Horizontal Tomogram

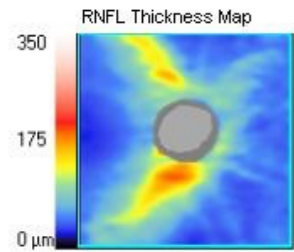


Name: **VELASQUEZ, SERGIO**
 ID: 1128407238
 DOB: 8/25/1987
 Gender: Male
 Doctor:

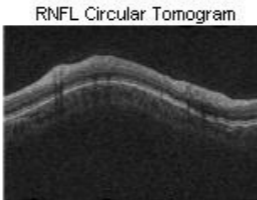
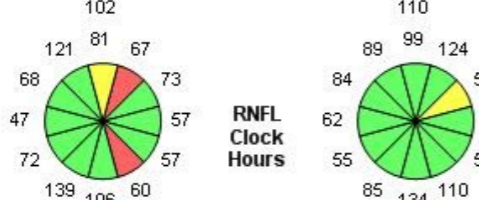
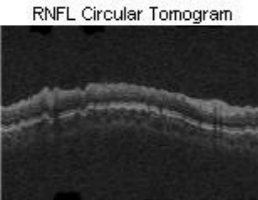
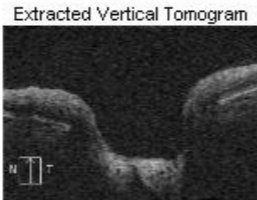
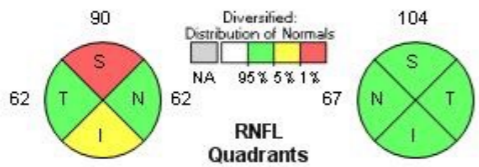
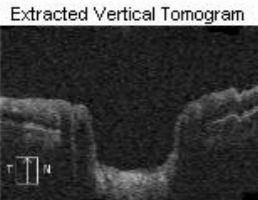
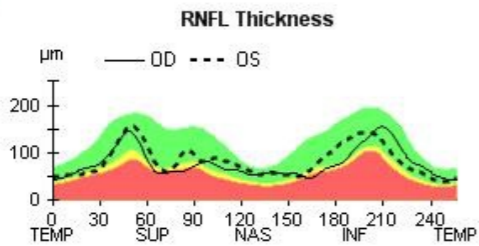
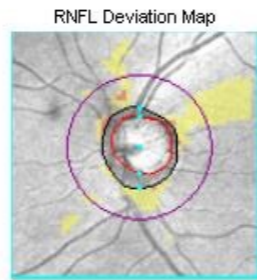
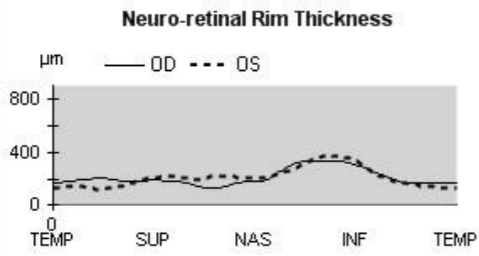
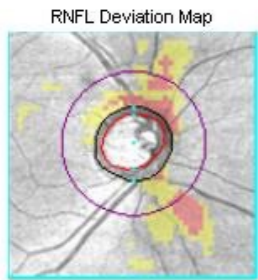
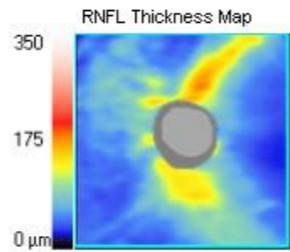
OD OS
 Exam Date: 2/4/2015 2/4/2015 CZMI
 Exam Time: 3:30 PM 3:31 PM
 Serial Number: 4000-5235 4000-5235
 Signal Strength: 6/10 7/10



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



	OD	OS
Average RNFL Thickness	79 μm	84 μm
RNFL Symmetry	83%	
Rim Area	1.06 mm^2	1.14 mm^2
Disc Area	2.59 mm^2	2.79 mm^2
Average C/D Ratio	0.77	0.77
Vertical C/D Ratio	0.73	0.71
Cup Volume	0.740 mm^3	0.803 mm^3



Comments

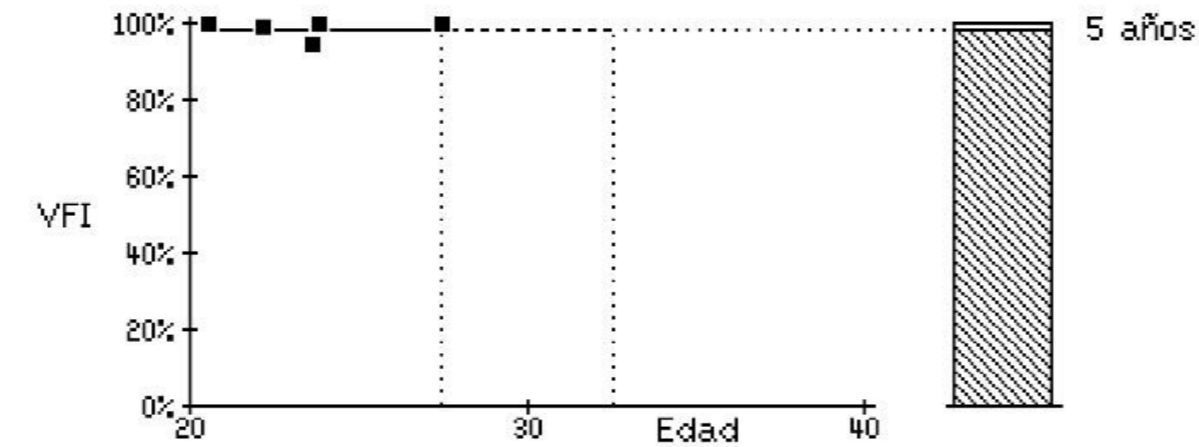
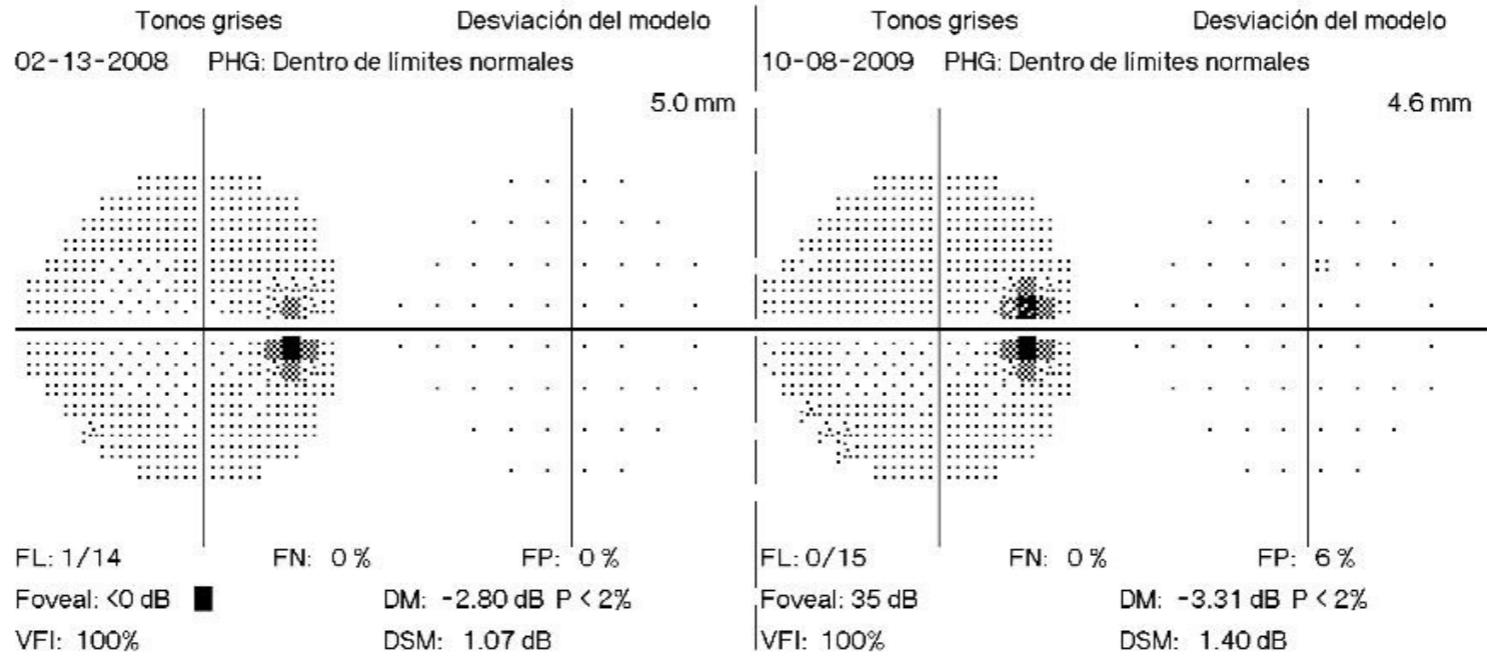
Doctor's Signature



Nombre: SERGIO VELASQUEZ ARISTIZABAL FDN: 08-15-1987
 ID: 1128407238

Valores iniciales: SITA-Standard

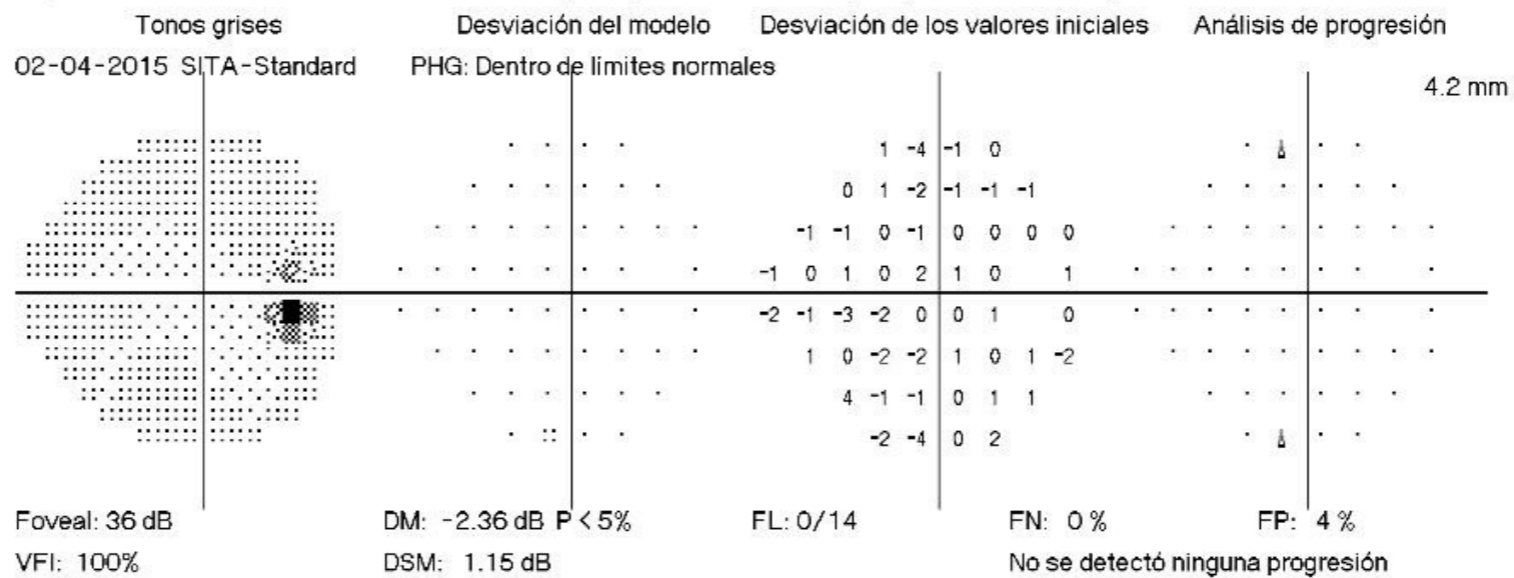
Central 24-2 Prueba de umbral

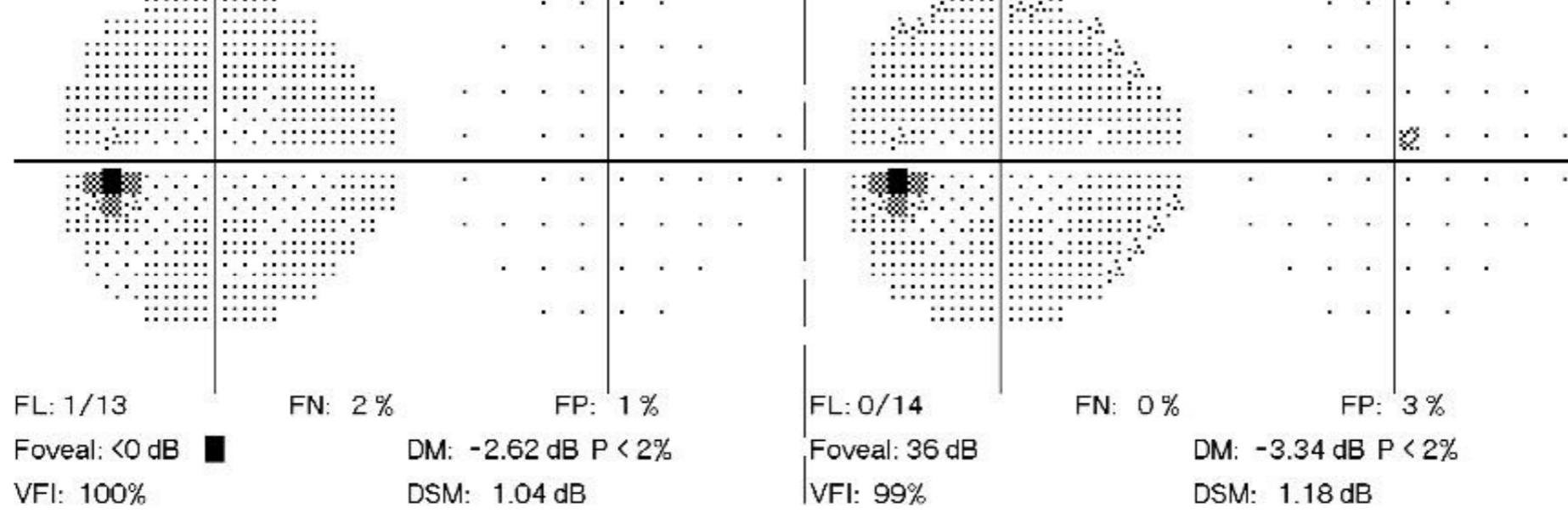


Tasa de progresión: +0.0 ± 1.8 %/año (95% confidencial)

Desviación no significativa

Seguimiento Ver copia impresa de GPA completa para análisis completo



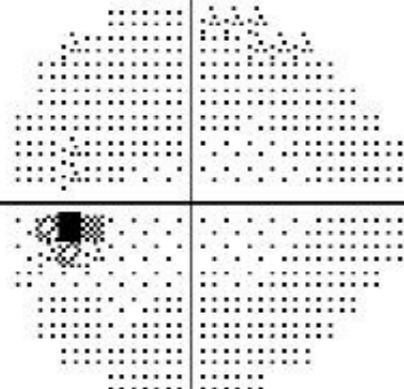
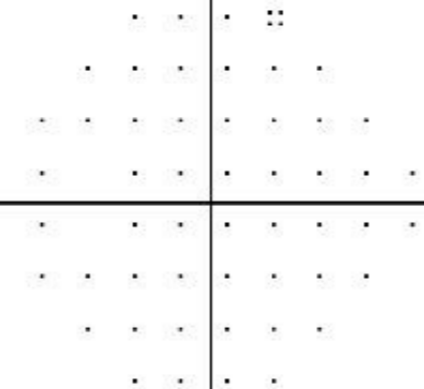
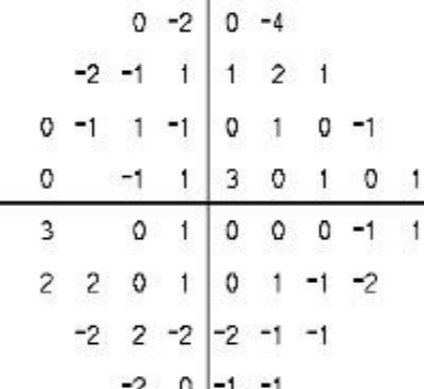
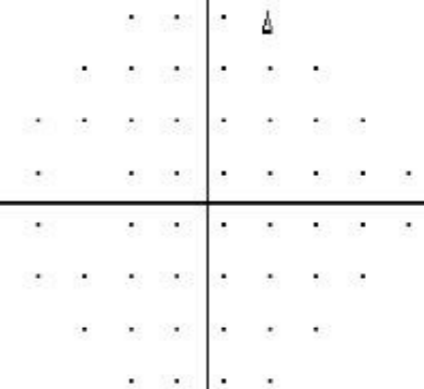


Tasa de progresión: +0.0 ± 1.7 %/año (95% confidencial)

Desviación no significativa

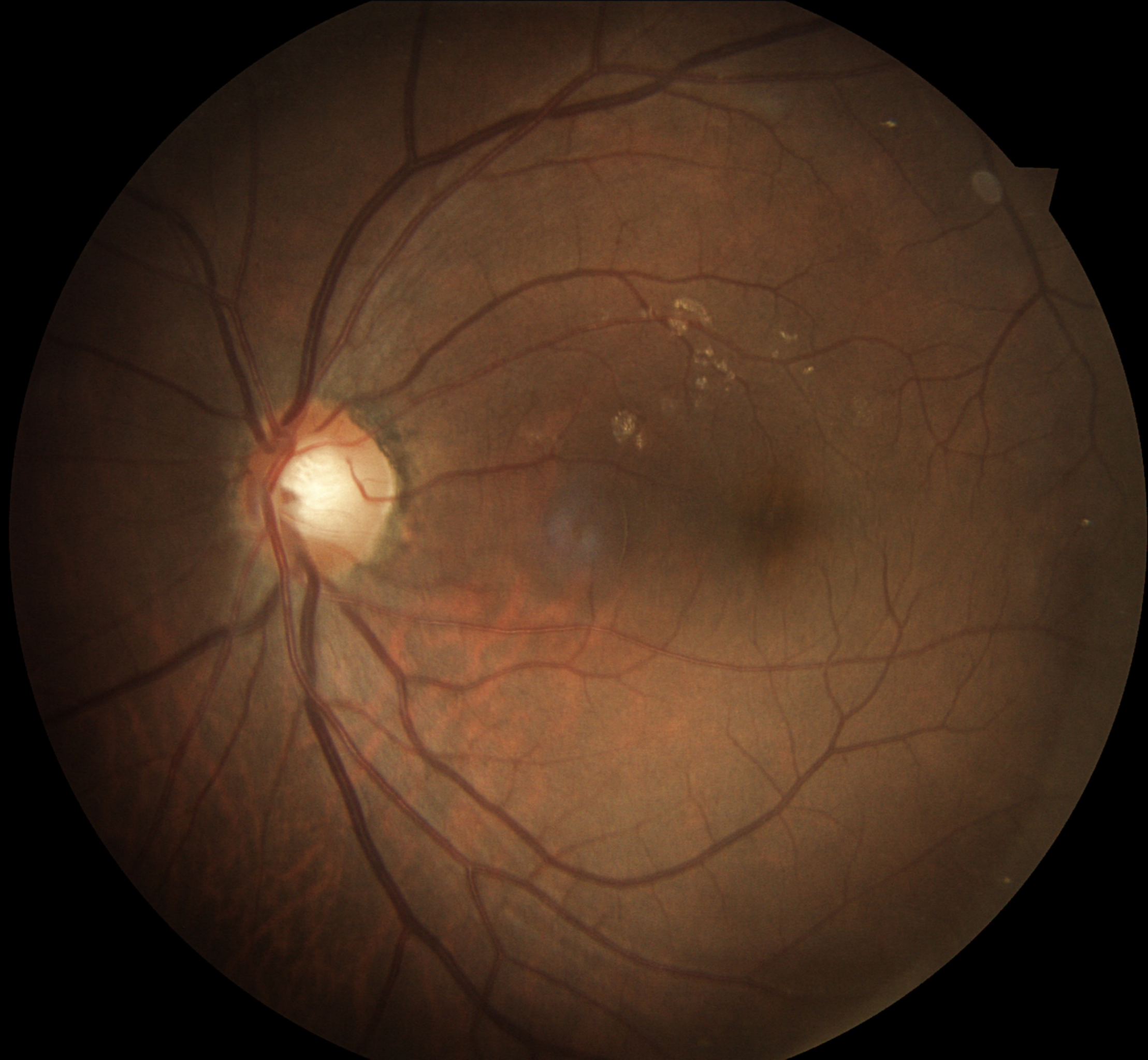
Seguimiento

Ver copia impresa de GPA completa para análisis completo

Tonos grises	Desviación del modelo	Desviación de los valores iniciales	Análisis de progresión
02-04-2015 SITA-Standard	PHG: Dentro de límites normales		3.9 mm
			
Foveal: 38 dB VFI: 100%	DM: -2.87 dB P < 2% DSM: 1.24 dB	FL: 0/14	FN: 5% FP: 7% No se detectó ninguna progresión

- 8286859
- 61 años masculino
- madre glaucoma
- pio 25 y 24





Monitor de fijación: APAGADO

Objetivo de fijación: Central

Pérdidas de fijación: 0/0

Errores falsos positivos: 7 %

Errores falsos negativos: 0 %

Duración de la prueba: 08:47

Foveal: 30 dB ■

Estímulo: III, Blanco

Fondo: 31.5 ASB

Estrategia: SITA-Standard

Diámetro de pupila: 3.7 mm

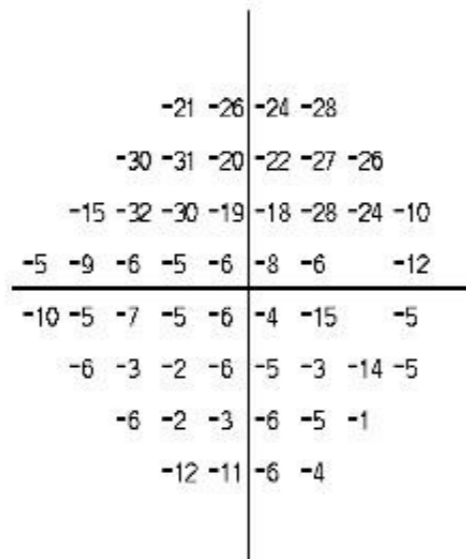
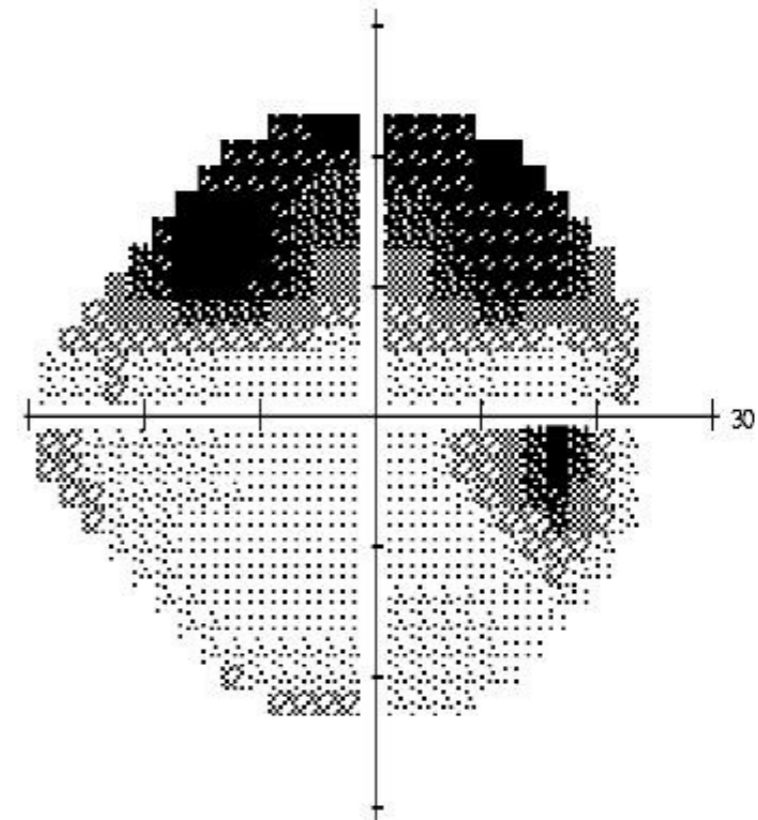
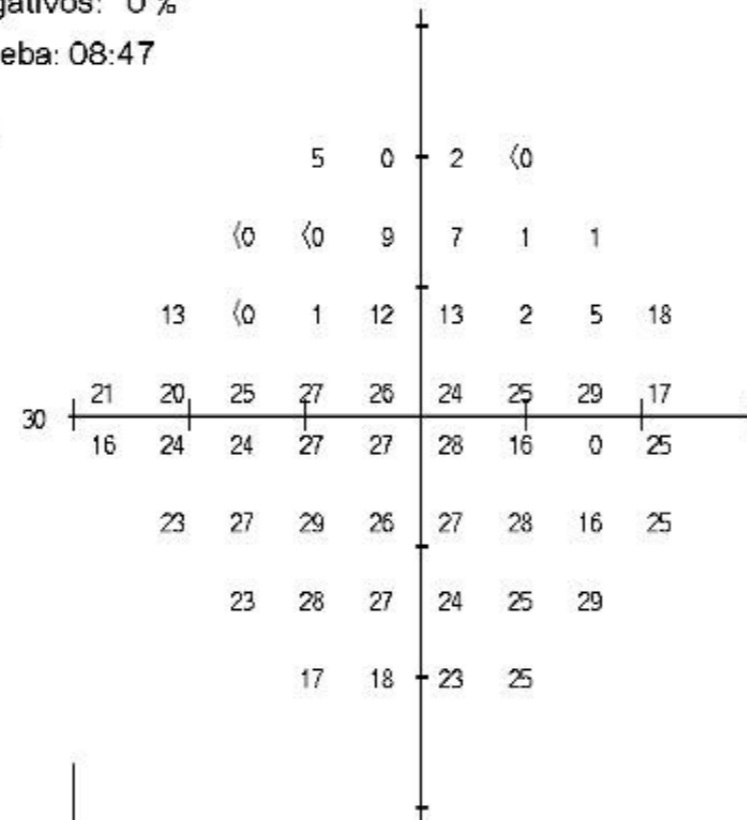
Agudeza visual:

RX: +2.50 DS -1.75 DC X 100

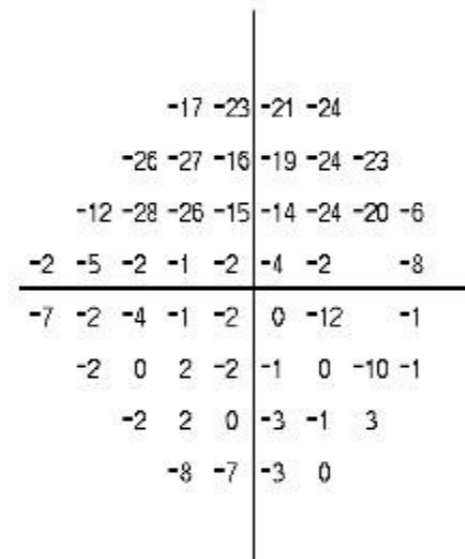
Fecha: 06-09-2015

Hora: 2:32 PM

Edad: 67



Desviación total



Desviación del modelo

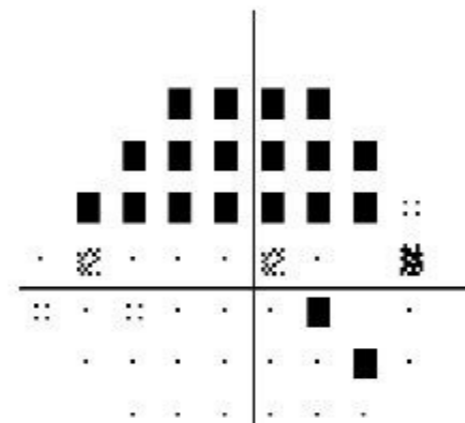
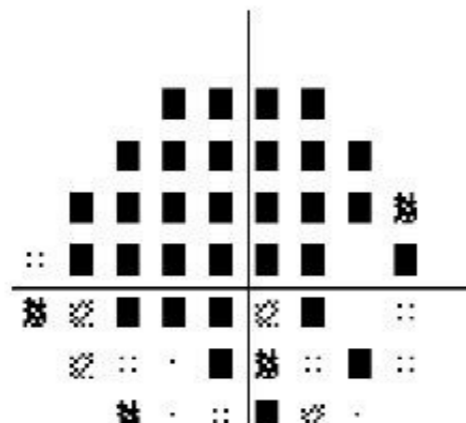
PHG

Fuera de límites normales

VFI 72%

DM -10.95 dB P < 0.5%

DSM 9.80 dB P < 0.5%



Central 24-2 Prueba de umbral

Monitor de fijación: Mirada/Punto ciego

Estímulo: III, Blanco

Diámetro de pupila: 3.5 mm

Fecha: 06-09-2015

Objetivo de fijación: Central

Fondo: 31.5 ASB

Agudeza visual:

Hora: 2:42 PM

Pérdidas de fijación: 0/1

Estrategia: SITA-Standard

RX: +3.75 DS -1.75 DC X 90

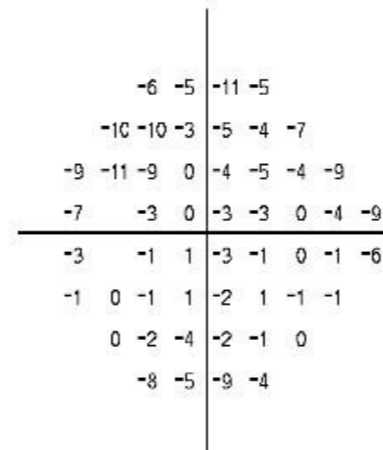
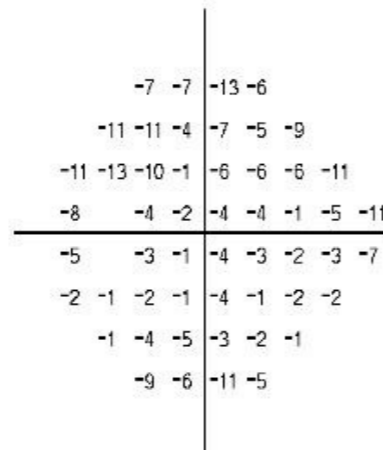
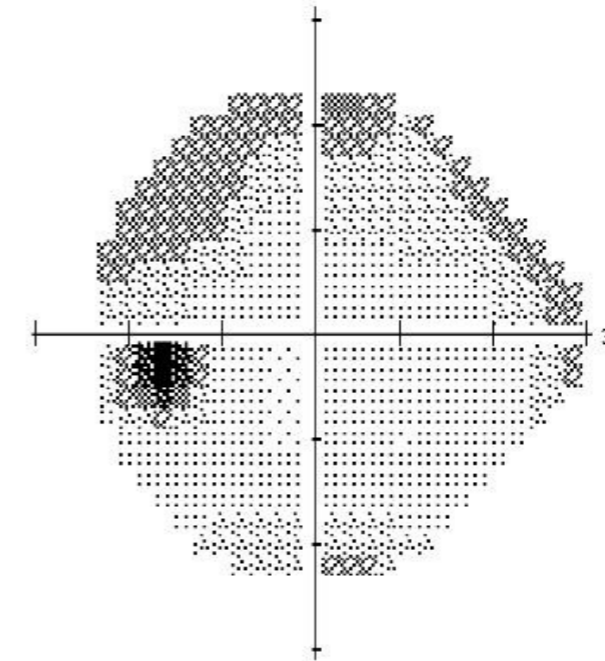
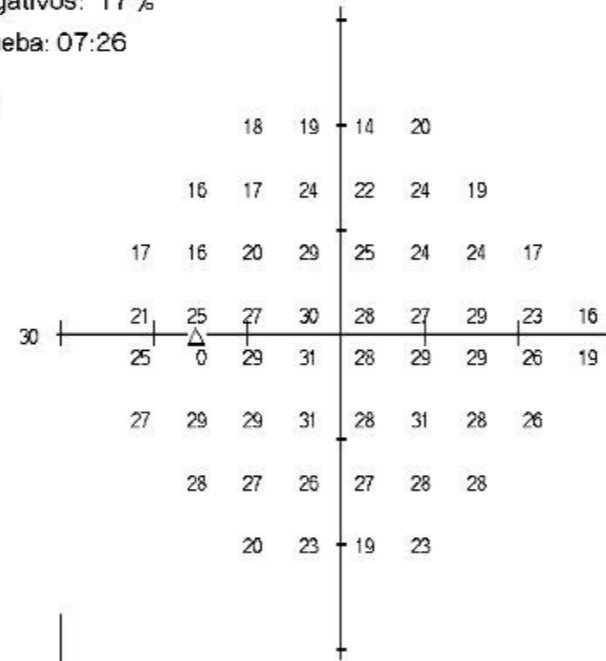
Edad: 67

Errores falsos positivos: 15 % xx

Errores falsos negativos: 17 %

Duración de la prueba: 07:26

Foveal: 31 dB



*** Excesiva cant. falsos positivos altos

PHG

Fuera de limites normales

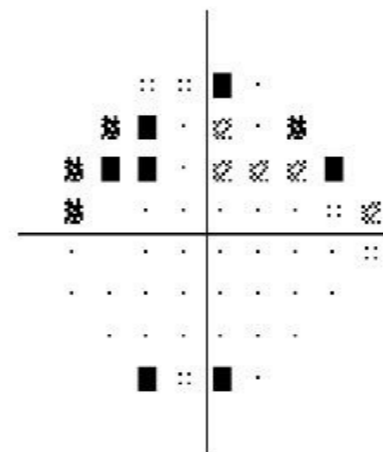
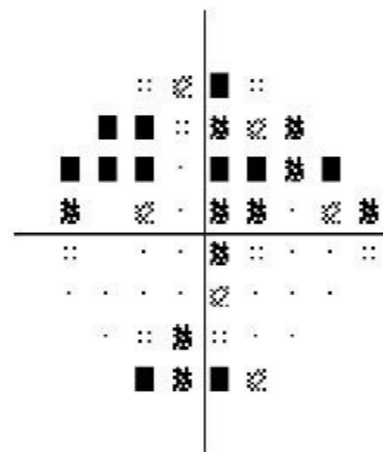
VFI 91%

DM -4.64 dB P < 0.5%

DSM 3.44 dB P < 1%

Desviación total

Desviación del modelo



∴ < 5%

∴ < 2%

∴ < 1%

Name: **BOTERO, EDWIN**

OD OS



ID: 8286859

Exam Date: 9/18/2013 9/18/2013 CZMI

DOB: 7/3/1948

Exam Time: 9:48 AM 9:49 AM

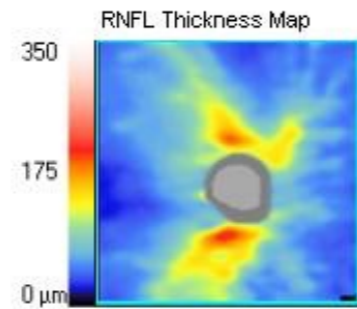
Gender: Male

Serial Number: 4000-5235 4000-5235

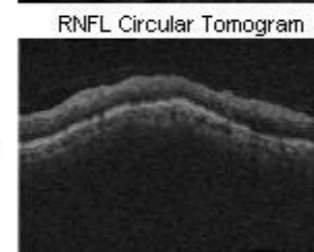
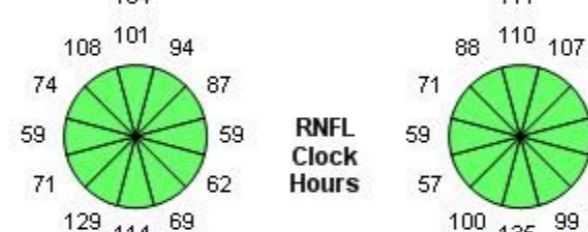
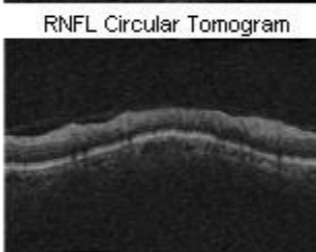
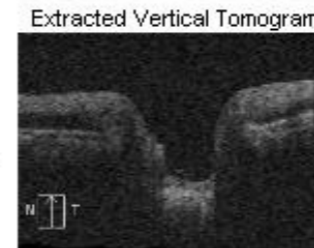
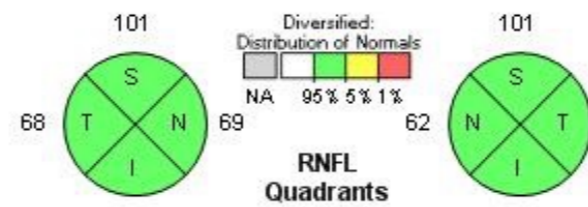
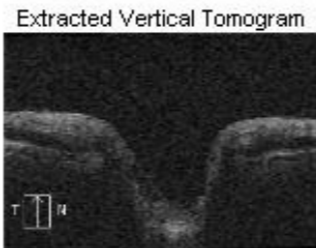
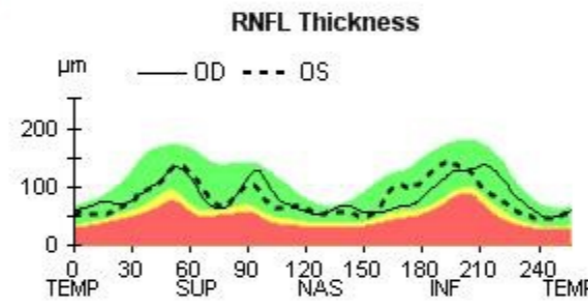
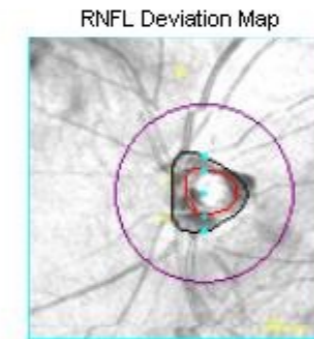
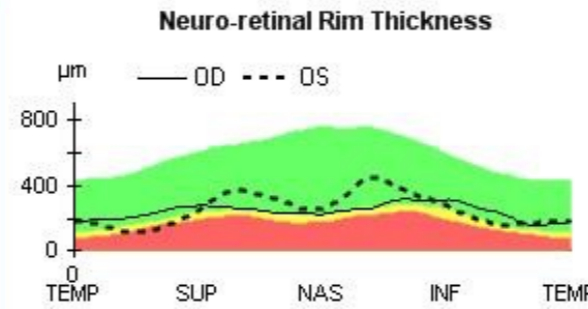
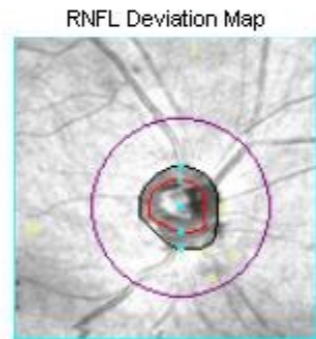
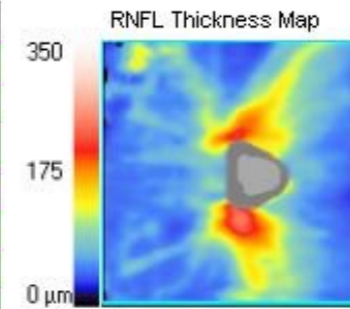
Doctor:

Signal Strength: 6/10 6/10

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



	OD	OS
Average RNFL Thickness	86 μm	83 μm
RNFL Symmetry	78%	
Rim Area	1.02 mm ²	1.02 mm ²
Disc Area	1.94 mm ²	1.75 mm ²
Average C/D Ratio	0.69	0.64
Vertical C/D Ratio	0.62	0.62
Cup Volume	0.409 mm ³	0.288 mm ³



Comments

Doctor's Signature

Name: **BOTERO, EDWIN**

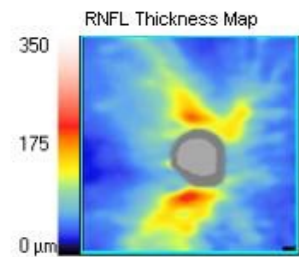
OD OS



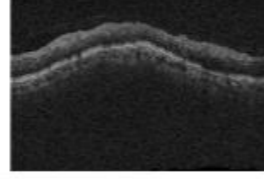
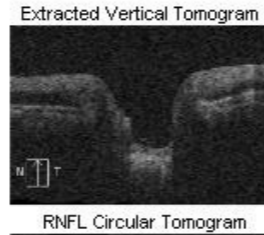
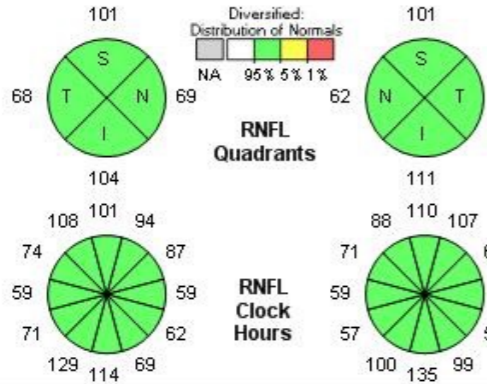
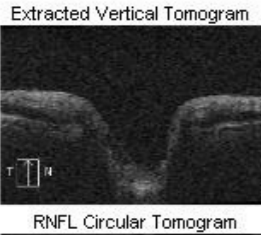
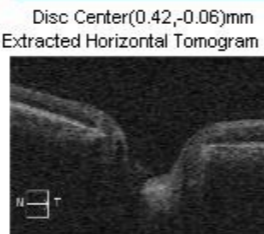
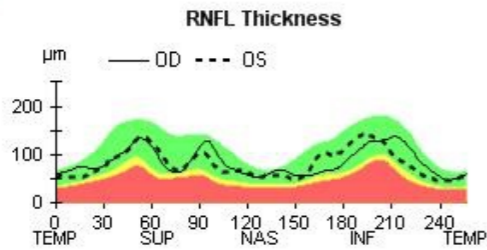
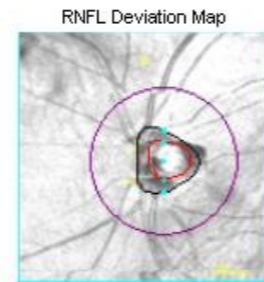
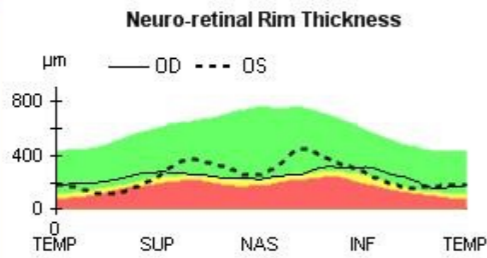
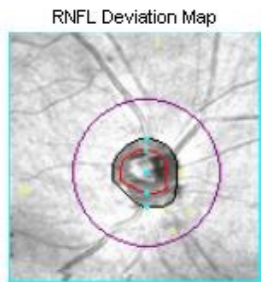
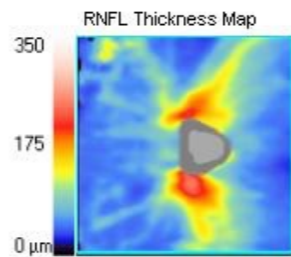
ID: 8286859
DOB: 7/3/1948
Gender: Male
Doctor:

Exam Date: 9/18/2013 9/18/2013 CZMI
Exam Time: 9:48 AM 9:49 AM
Serial Number: 4000-5235 4000-5235
Signal Strength: 6/10 6/10

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



	OD	OS
Average RNFL Thickness	86 μm	83 μm
RNFL Symmetry	78%	
Rim Area	1.02 mm ²	1.02 mm ²
Disc Area	1.94 mm ²	1.75 mm ²
Average C/D Ratio	0.69	0.64
Vertical C/D Ratio	0.62	0.62
Cup Volume	0.409 mm ³	0.288 mm ³



Comments

Doctor's Signature



Paciente de 50 años
Excavacion asimétrica
prios normales
No antecedentes de Glaucoma

MATRIX	2-25	NO APLICA	NO APLICA	20/20	20/20	NO APLICA	NO APLICA	17	18	HISTORIA
2008-04-23	NO APLICA	NO APLICA	NO APLICA	NO APLICA	NO APLICA	0	0	0	0	SEGUIMIENTO
2008-08-21	NO APLICA	NO APLICA	20/20-	20/0-	NO APLICA	NO APLICA	19	19	HISTORIA	
2009-03-03	NO APLICA	NO APLICA	20/20	20/20	NO APLICA	NO APLICA	14	16	HISTORIA	
2009-11-17	NO APLICA	NO APLICA	20/20	20/20	NO APLICA	NO APLICA	16	16	HISTORIA	
2010-12-01	NO APLICA	NO APLICA	20/20	20/20	NO APLICA	NO APLICA	14	14	HISTORIA	
2010-12-20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	0	0	0	0	SEGUIMIENTO	
2011-09-15	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	16	16	HISTORIA	
2012-02-20	20/25	20/30	NO APLICA	NO APLICA	NO APLICA	NO APLICA	20	19	HISTORIA	
2012-09-07	20/20	20/30	NO APLICA	NO APLICA	NO APLICA	NO APLICA	17	18	HISTORIA	
2013-01-09	20/20	20/20	NO APLICA	NO APLICA	NO APLICA	NO APLICA	20	20	HISTORIA	
2013-06-05	20/40	20/40	20/20	20/20	NO APLICA	NO APLICA	20	18	HISTORIA	
2013-12-16	20/30+	20/30	20/20	20/20	NO APLICA	NO APLICA	15	17	HISTORIA	
2014-08-12	20/40	20/30	NO APLICA	NO APLICA	NO APLICA	NO APLICA	16	16	HISTORIA	
2015-02-19	NO APLICA	NO APLICA	20/20	20/20	NO APLICA	NO APLICA	16	16	HISTORIA	
2015-04-09	NO APLICA	NO APLICA	20/20	20/20	0	0	15	15	SEGUIMIENTO	

GRAFICAR

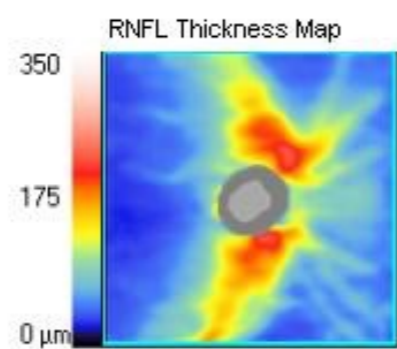




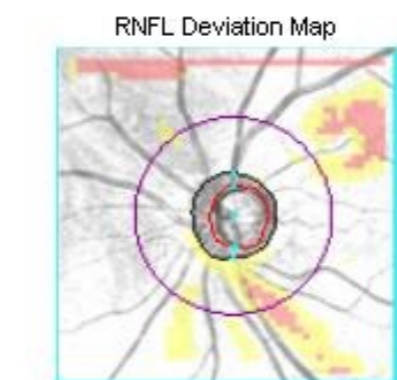
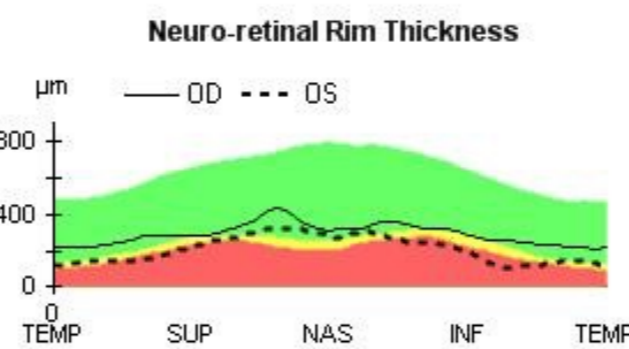
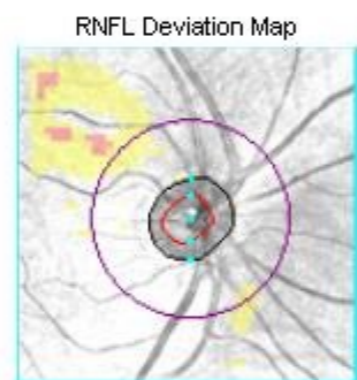
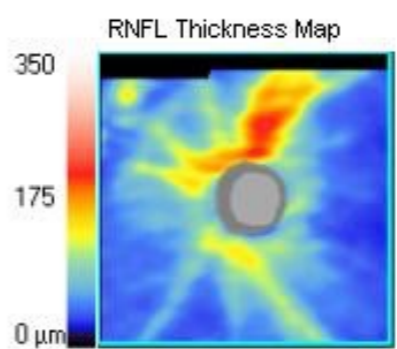
Name: **espinosa piedra hita, omar de jesus** **OD** **OS**
 ID: 15456995 Exam Date: 8/28/2014 8/28/2014 CZMI
 DOB: 2/1/1965 Exam Time: 8:32 AM 8:32 AM
 Gender: Male Serial Number: 4000-5235 4000-5235
 Doctor: Signal Strength: 7/10 7/10



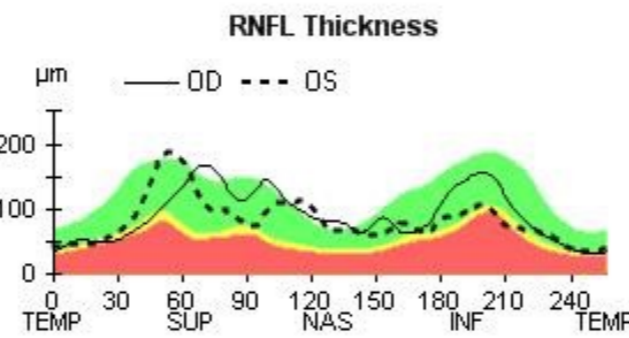
ONH and RNFL Analysis: Optic Disc Cube 200x200 **OD** ● ● **OS**



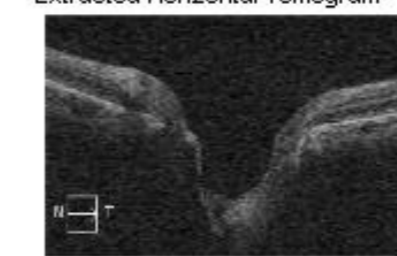
	OD	OS
Average RNFL Thickness	93 μm	84 μm
RNFL Symmetry	65%	
Rim Area	1.06 mm ²	0.86 mm ²
Disc Area	1.62 mm ²	1.78 mm ²
Average C/D Ratio	0.58	0.72
Vertical C/D Ratio	0.58	0.72
Cup Volume	0.148 mm ³	0.499 mm ³



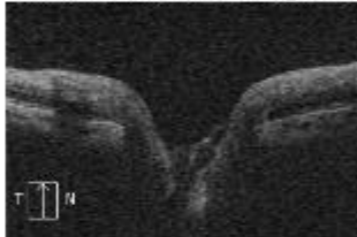
Disc Center(0.03,-0.03)mm
 Extracted Horizontal Tomogram



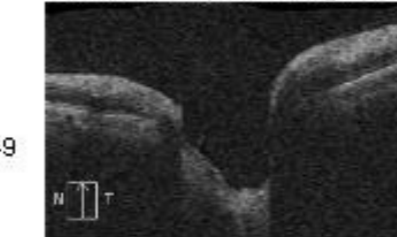
Disc Center(0.09,0.03)mm
 Extracted Horizontal Tomogram



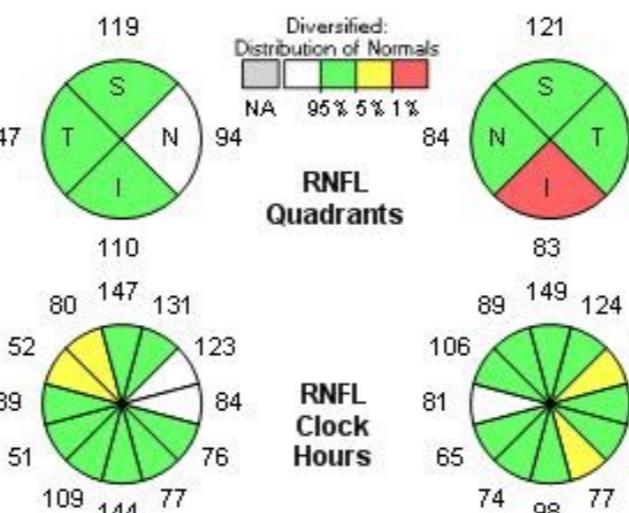
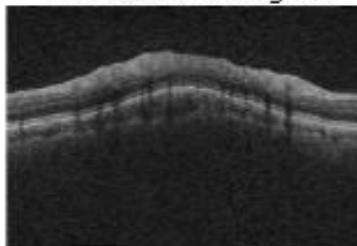
Extracted Vertical Tomogram



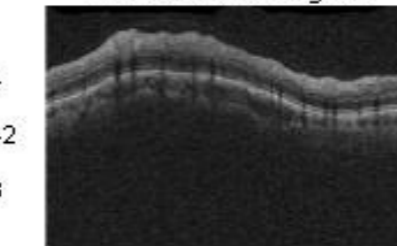
Extracted Vertical Tomogram



RNFL Circular Tomogram



RNFL Circular Tomogram



Comments

Doctor's Signature

Nombre: omar espinosa
ID: 15456995

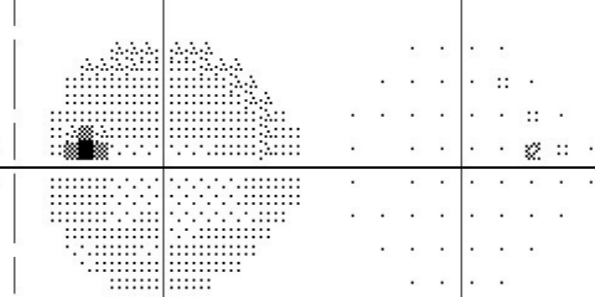
FDN: 02-01-1965

Valores iniciales: SITA-Standard

Central 24-2 Prueba de umbral

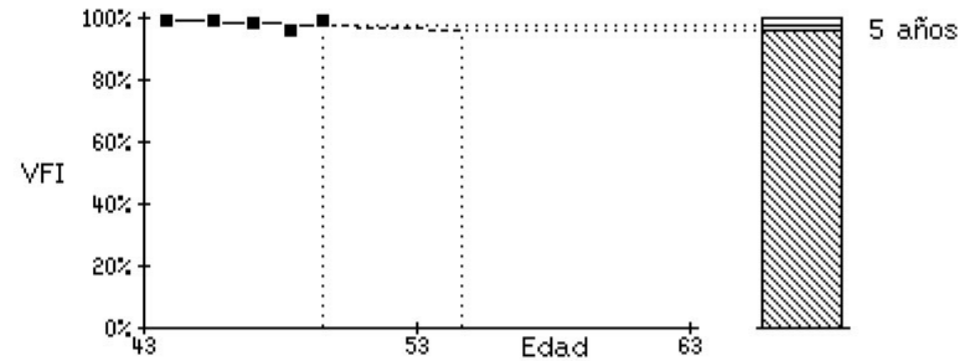
Tonos grises Desviación del modelo
12-12-2008 PHG: Dentro de límites normales
*** Confiabilidad de prueba baja ***

Tonos grises Desviación del modelo
09-01-2010 PHG: Dentro de límites normales
*** Confiabilidad de prueba baja ***



FL: 4/14 xx FN: 0% FP: 2%
Foveal: 37 dB DM: -1.65 dB
VFI: 99% DSM: 1.54 dB

FL: 3/15 xx FN: 0% FP: 2%
Foveal: 39 dB DM: -2.09 dB P < 5%
VFI: 99% DSM: 1.40 dB



Tasa de progresión: -0.3 ± 1.1 %/año (95% confidencial)

Desviación no significativa

Seguimiento

Ver copia impresa de GPA completa para análisis completo

Tonos grises	Desviación del modelo	Desviación de los valores iniciales	Análisis de progresión
08-28-2014 SITA-Standard	PHG: Dentro de límites normales		5.6 mm
		2 -2 -1 1 1 -2 0 1 1 0 1 0 -2 1 1 1 1 2 2 2 1 1 0 3 -1 -5	1 0 1 2 1 1 -2 -1 -1 2 0 1 0 0 -2 1 1 -1 -5 -2 2 0 -1 -2 -2 -2
Foveal: 38 dB	DM: -0.98 dB	FL: 0/14	FN: 4% FP: 1%
VFI: 99%	DSM: 1.63 dB	No se detectó ninguna progresión	

Exámenes de seguimiento anteriores:

02-10-2012 05-30-2013

- :: < 5% ▲ P < 5% deterioro
- ⊗ < 2% ▲ P < 5% (2 consecutivos)
- ⊗ < 1% ▲ P < 5% (3+ consecutivos)
- < 0.5% X Fuera de rango

Notas:

CLINICA OFTALMOLOGICA DE MEDELLIN
CARRERA 30 No. 7A 30
TEL. 3118885
MEDELLIN

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HFA II 750-11420-4.2.2

GRACIAS

