

# SEGUIMIENTO DE GLAUCOMA

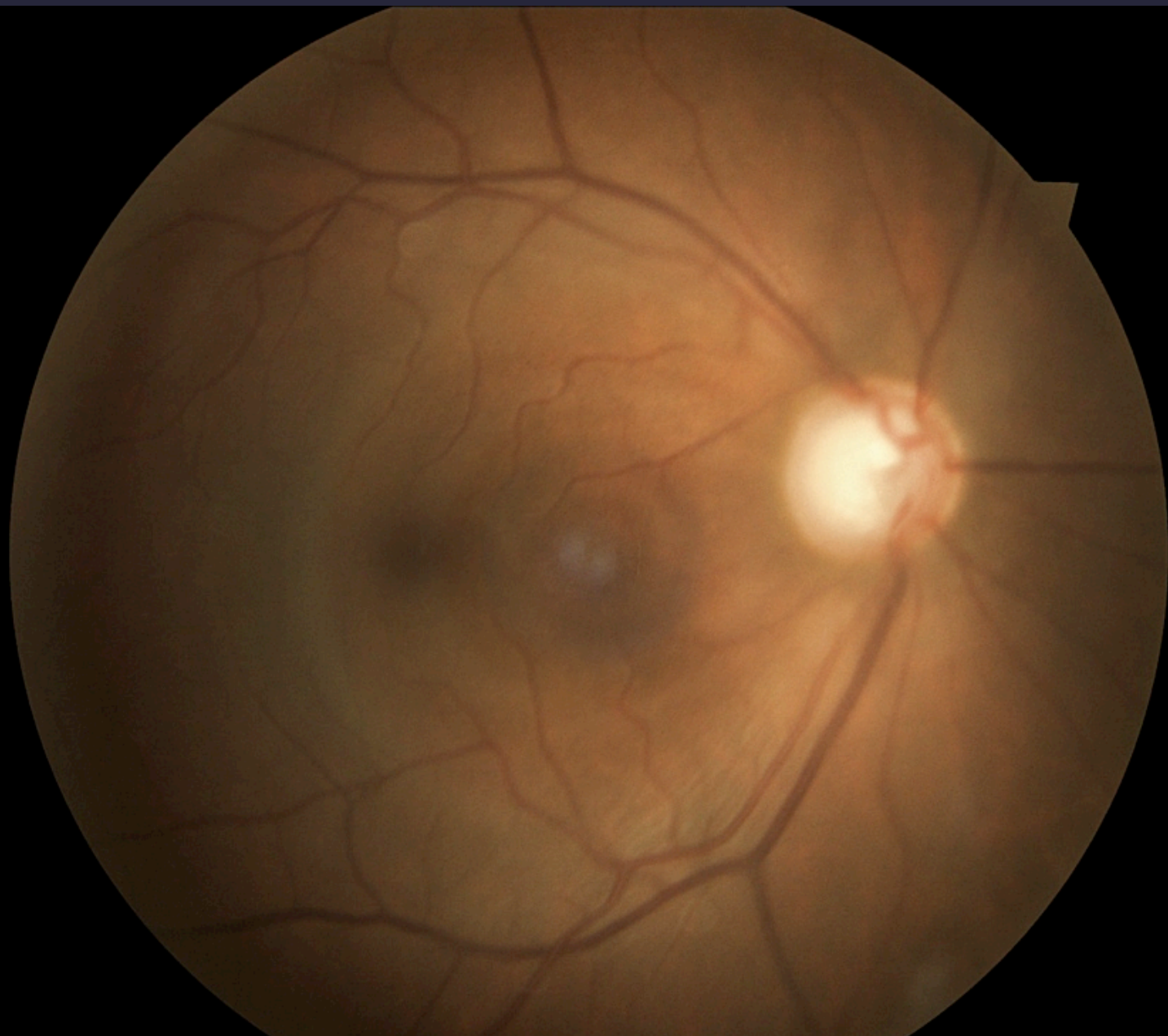
# Sospecha de Glaucoma

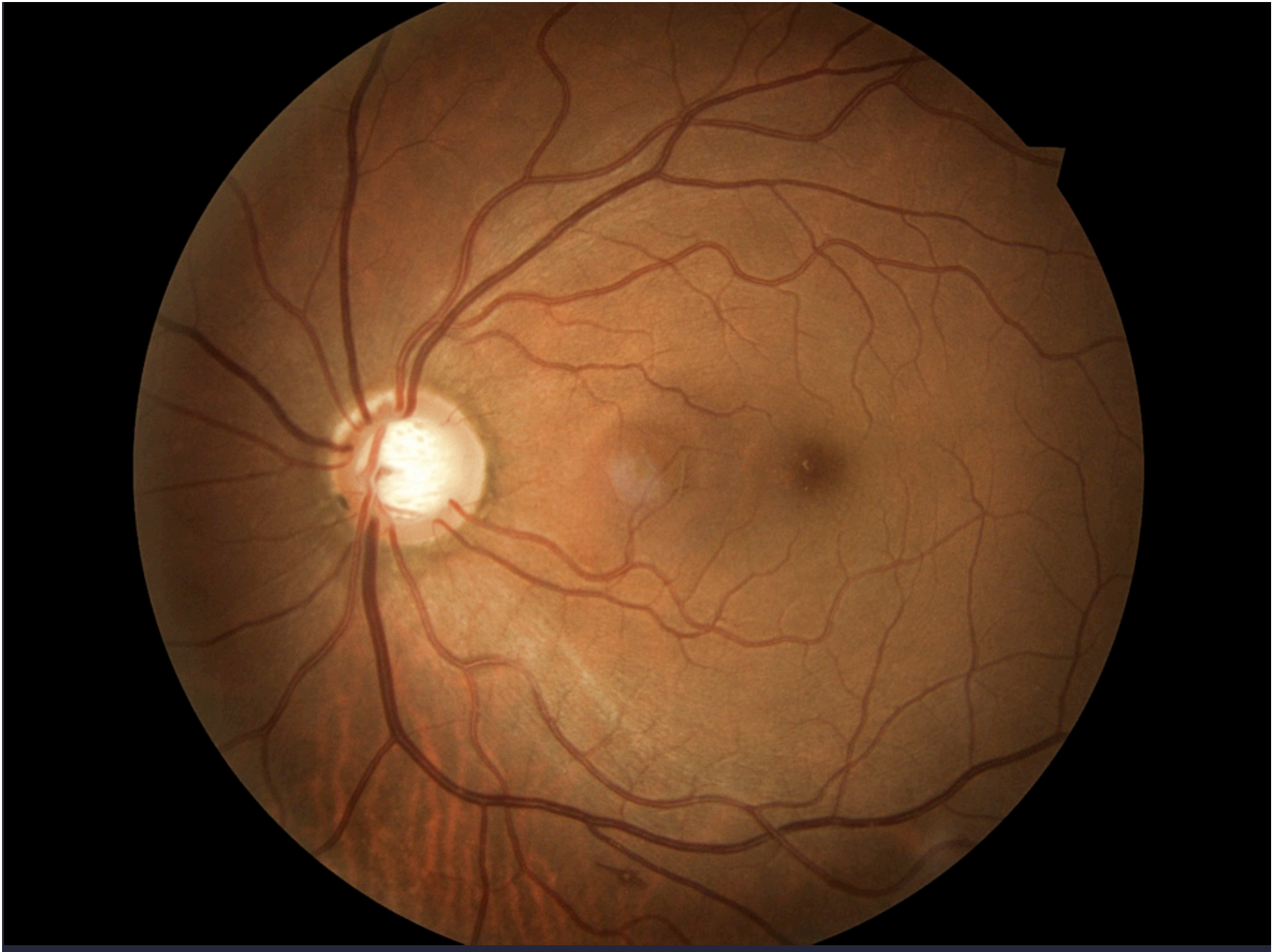
- Foto digital Fondo de Ojo
- Paquimetría
- O.C.T
- Campo visual: 24-2, si es alterado, alteraciones inespecíficas, poca confiabilidad, repetir en 3 meses.
- Campo alterado con patrón de

# Sospecha de Glaucoma

- CSVs: En 3 meses normal o alterado
- Normal: Control cada año
- Alterado: Reproducible?, comparar con fotos y O.C.T

- "El Glaucoma de tensión normal da tiempo, no es de progresión rápida"





Análisis de campo único

Ojo: Derecho

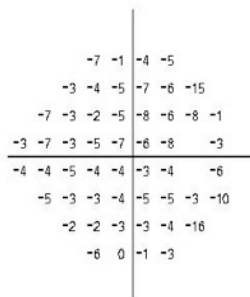
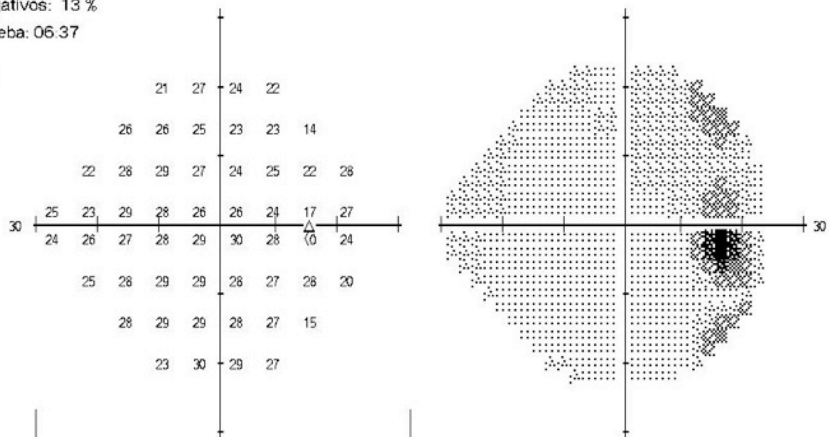
Nombre: angela maria gallego correa  
ID: 21462645

FDN: 06-08-1961

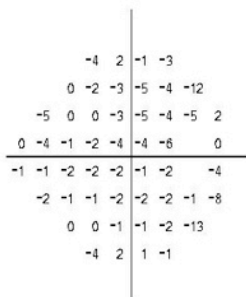
Central 24-2 Prueba de umbral

Monitor de fijación: Mirada/Punto ciego      Estímulo: III, Blanco      Diámetro de pupila: 5.4 mm      Fecha: 12-12-2011  
Objetivo de fijación: Central      Fondo: 31.5 ASB      Agudeza visual:      Hora: 8:22 AM  
Pérdidas de fijación: 0/16      Estrategia: SITA-Standard      RX: +2.00 DS      DC X      Edad: 50  
Errores falsos positivos: 6 %  
Errores falsos negativos: 13 %  
Duración de la prueba: 06.37

Foveal: 32 dB



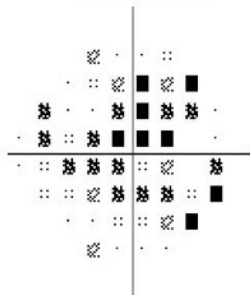
Desviación total



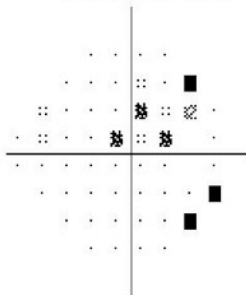
Desviación del modelo

PHG  
Reducción general de sensibilidad

VFI 93%  
DM -4.73 dB P < 0.5%  
DSM 2.89 dB P < 2%



:: < 5%  
⊗ < 2%  
⊗ < 1%



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

Análisis de campo único

Ojo: Izquierdo

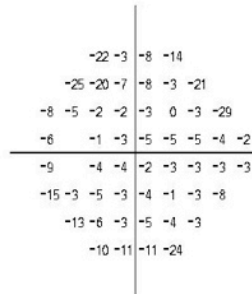
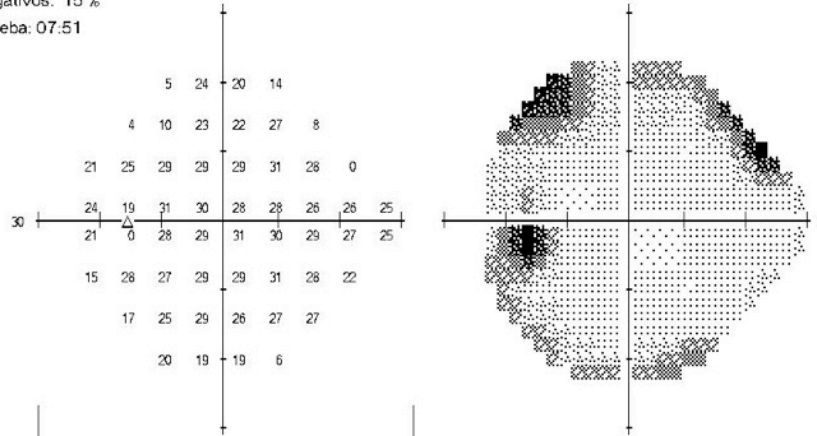
Nombre: angela maria gallego correa  
ID: 21462645

FDN: 06-08-1961

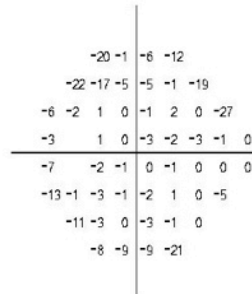
Central 24-2 Prueba de umbral

Monitor de fijación: Mirada/Punto ciego      Estimulo: III, Blanco      Diámetro de pupila: 4.5 mm      Fecha: 12-12-2011  
Objetivo de fijación: Central      Fondo: 31.5 ASB      Agudeza visual:      Hora: 8:33 AM  
Pérdidas de fijación: 0/16      Estrategia: SITA-Standard      RX: +2.00 DS      DC: X      Edad: 50  
Errores falsos positivos: 0 %  
Errores falsos negativos: 15 %  
Duración de la prueba: 07:51

Foveal: 34 dB



Desviación total



Desviación del modelo

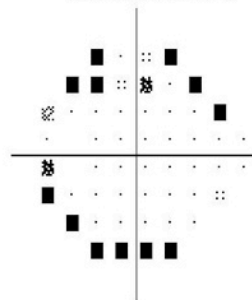
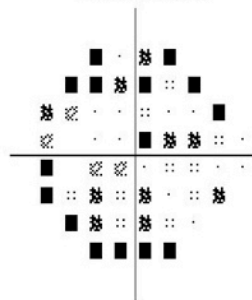
PHG

Fuera de límites normales

VFI 89%

DM -6.22 dB P < 0.5%

DSM 6.44 dB P < 0.5%



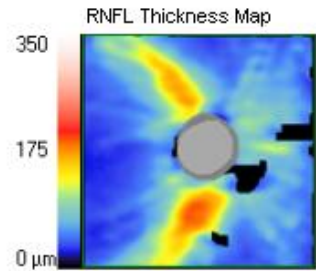
□ □ < 5%  
▧ < 2%  
▨ < 1%

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

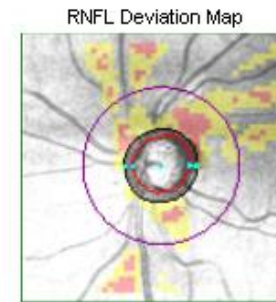
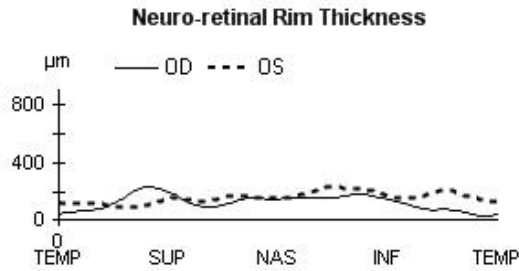
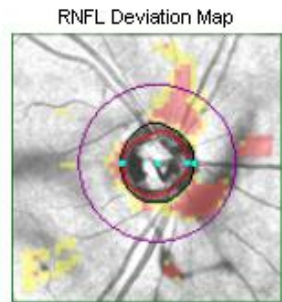
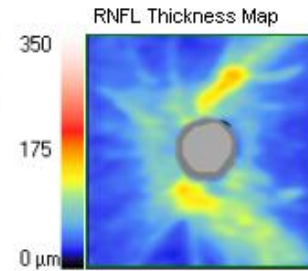


# RNFL and ONH: Optic Disc Cube 200x200

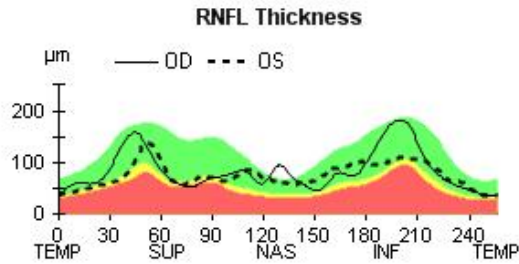
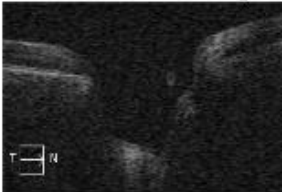
OD ● OS ●



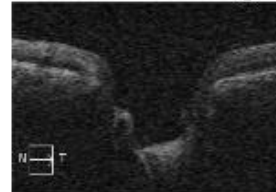
	OD	OS
Average RNFL Thickness	85 $\mu\text{m}$	77 $\mu\text{m}$
RNFL Symmetry	74%	
Rim Area	0.62 $\text{mm}^2$	0.74 $\text{mm}^2$
Disc Area	2.20 $\text{mm}^2$	2.05 $\text{mm}^2$
Average C/D Ratio	0.84	0.79
Vertical C/D Ratio	0.80	0.80
Cup Volume	1.003 $\text{mm}^3$	0.768 $\text{mm}^3$



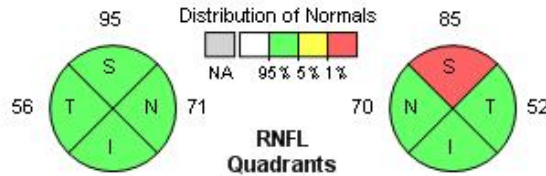
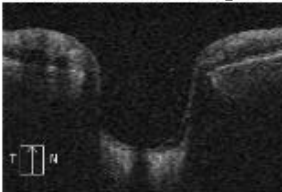
Disc Center (0.21,0.12) mm  
Extracted Horizontal Tomogram



Disc Center (0.09,0.06) mm  
Extracted Horizontal Tomogram



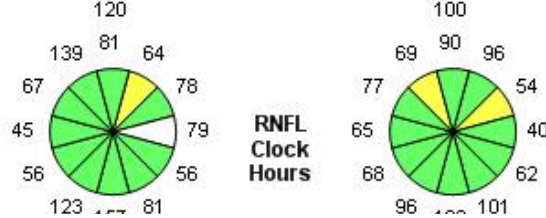
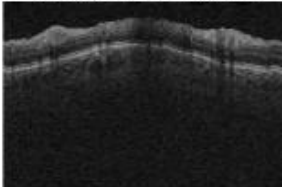
Extracted Vertical Tomogram



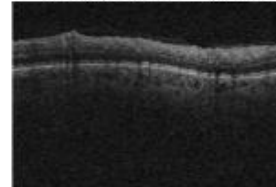
Extracted Vertical Tomogram

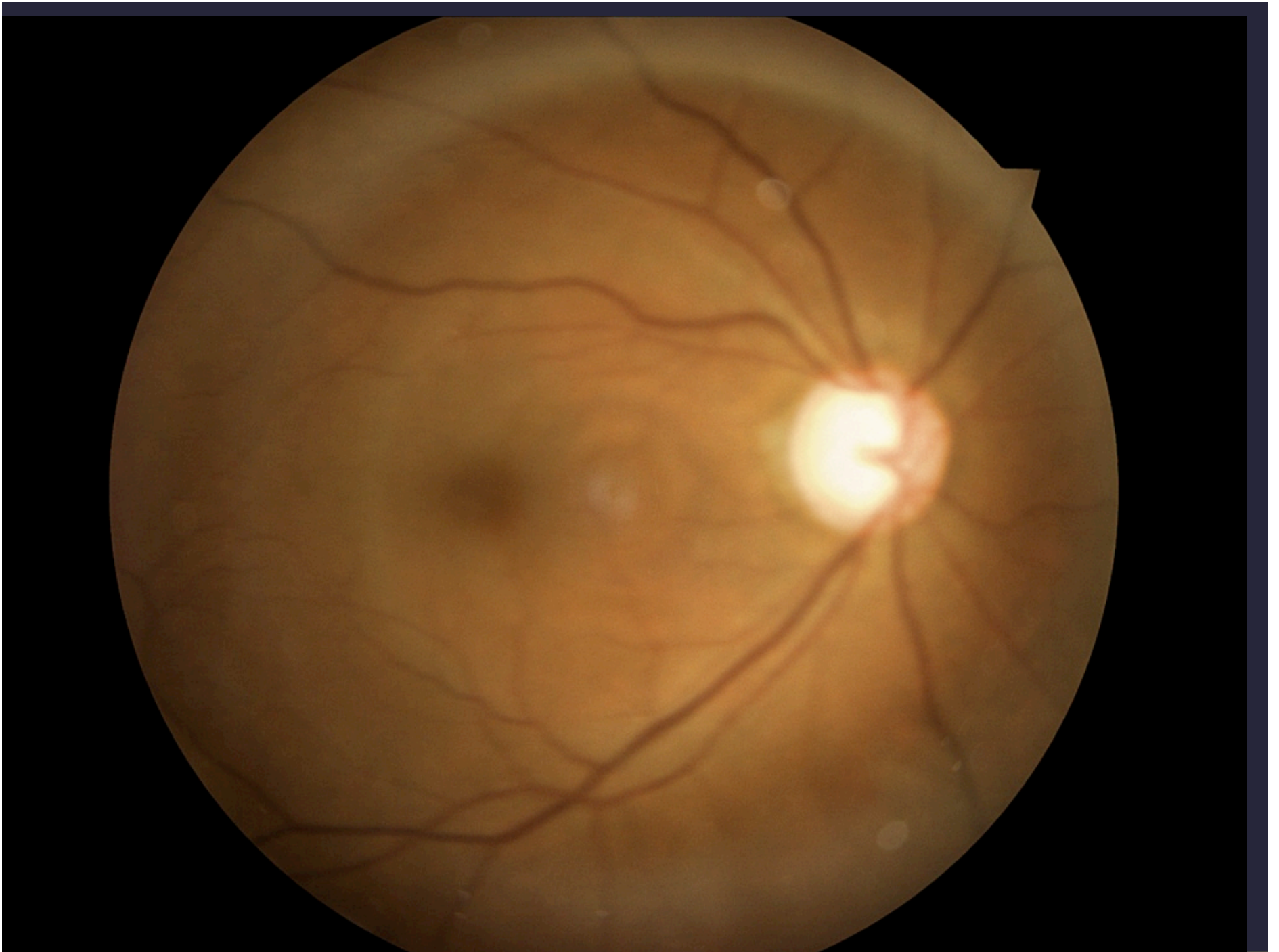


RNFL Circular Tomogram



RNFL Circular Tomogram







Name: **Cardona Giraldo, Claudia**

**OD**

**OS**



ID: 32554553

Exam Date: 3/14/2011 3/14/2011 CZMI

DOB: 5/3/1965

Exam Time: 3:07 PM 3:07 PM

Gender: Unknown

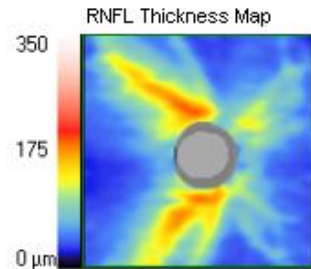
Technician: Operator, Cirrus

Doctor:

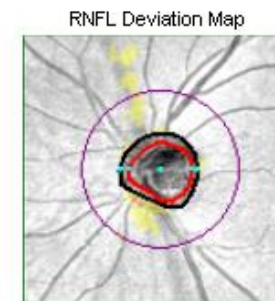
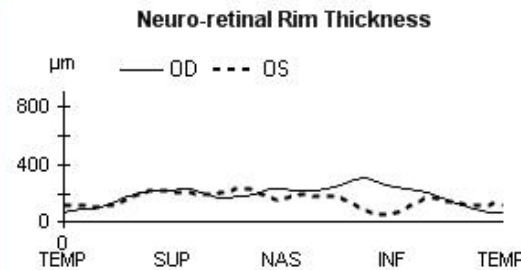
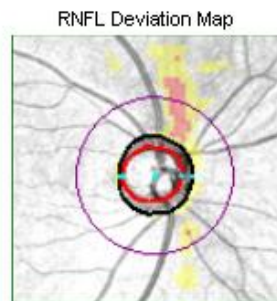
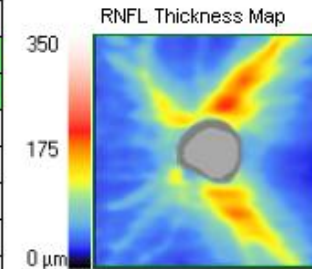
Signal Strength: 9/10 8/10

### RNFL and ONH: Optic Disc Cube 200x200

**OD** ● ● **OS**

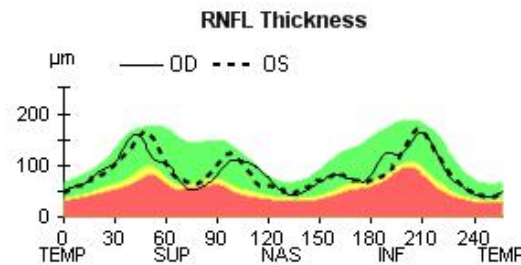
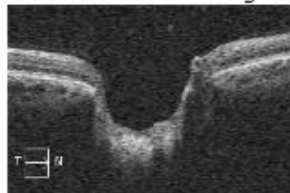


	<b>OD</b>	<b>OS</b>
Average RNFL Thickness	89 $\mu\text{m}$	89 $\mu\text{m}$
RNFL Symmetry	92%	
Rim Area	0.91 $\text{mm}^2$	0.75 $\text{mm}^2$
Disc Area	2.23 $\text{mm}^2$	2.13 $\text{mm}^2$
Average C/D Ratio	0.76	0.79
Vertical C/D Ratio	0.71	0.81
Cup Volume	0.714 $\text{mm}^3$	0.724 $\text{mm}^3$



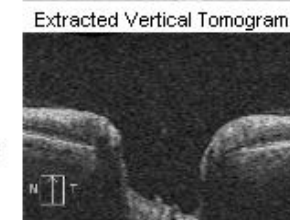
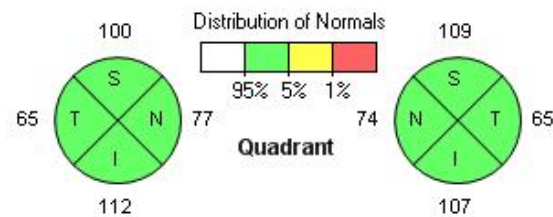
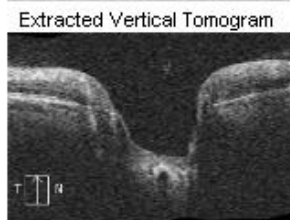
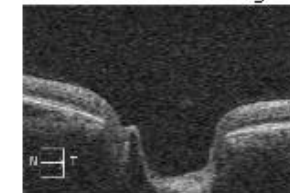
Offset (0.15,-0.12) mm

Extracted Horizontal Tomogram



Offset (0.03,0.03) mm

Extracted Horizontal Tomogram



RNFL Circular Tomogram

RNFL Circular Tomogram

# Hipertensión ocular

- Foto Fondo de Ojo
- Paquimetría
- O.C.T
- Campimetría 24.2, B/B, SWAP

# Hipertensión ocular

- Analizar Factores de Riesgo:
- Grosor corneal: Menor de 555 micras
- Excavación: Mayor de 0.4
- Nivel de Presión

# Hipertensión ocular

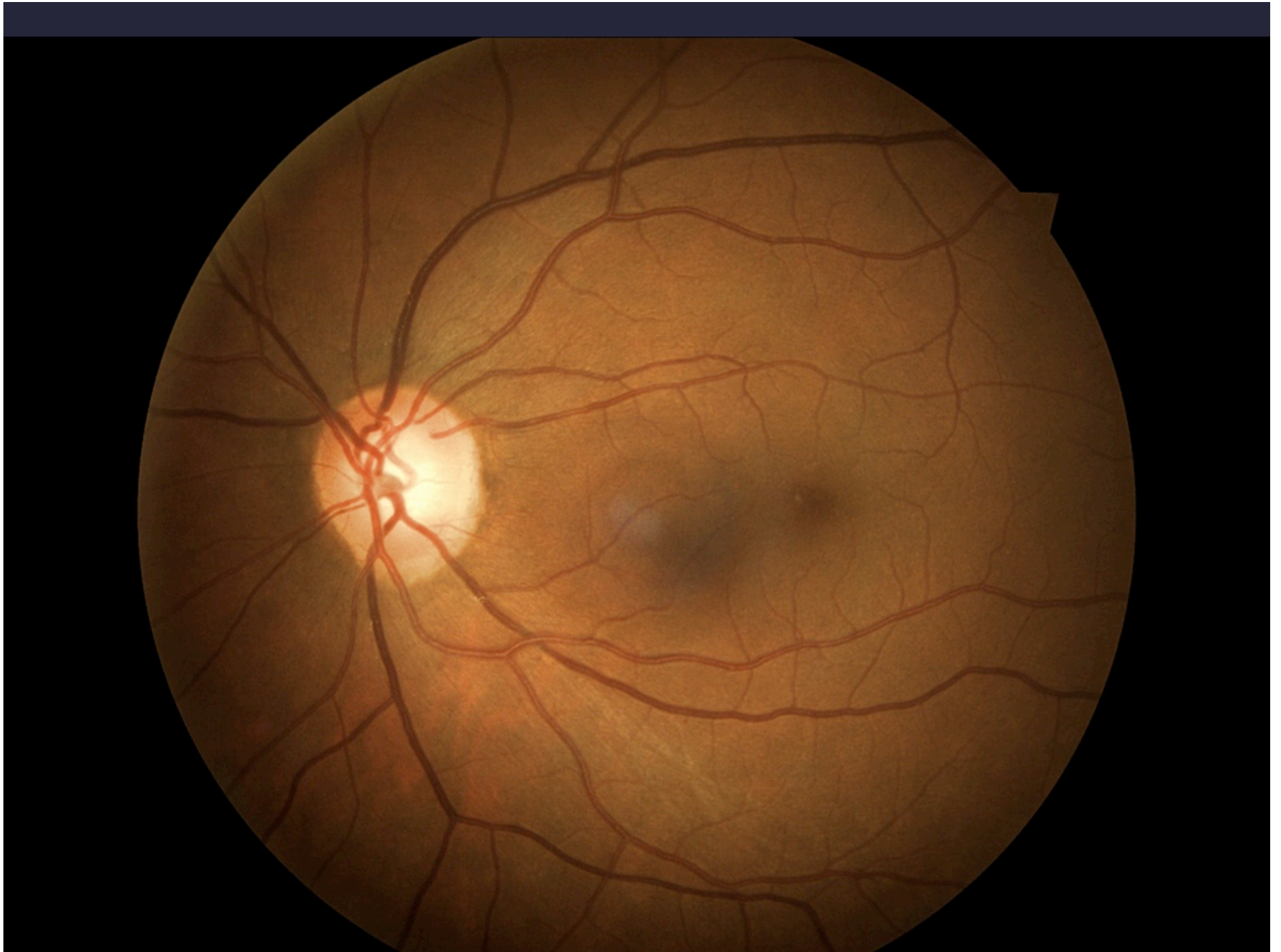
- Si PQ mayor de 555, PIO menor de 26mm, excavación menor de 0.4 no tratar y control en 6 meses y luego cada año

# Hipertensión ocular

- Si PQ menor de 555, PIO mayor de 26mm, excavación mayor de 0.4 tratar y control en 6 meses.
- Se puede utilizar la tabla de calculador del riesgo de HTO





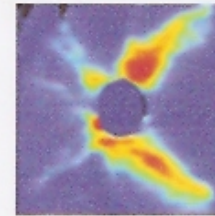
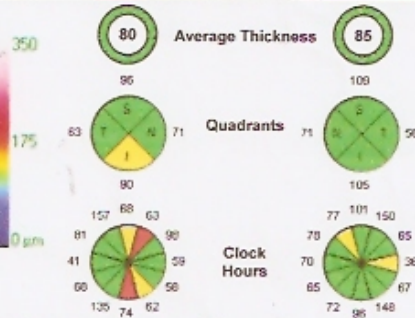
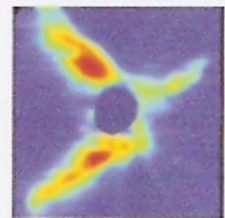


Name: mejia carmona, claudia maria      OD      OS  
 ID: 43047425      Exam Date: 3/19/2010    3/19/2010    CZMI  
 DOB: 5/11/1961      Exam Time: 12:04 PM    12:04 PM  
 Gender: Female      Technician: Operator, Cirrus  
 Doctor:      Signal Strength: 8/10    9/10

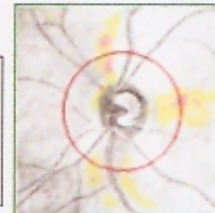
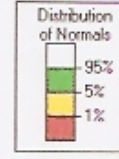
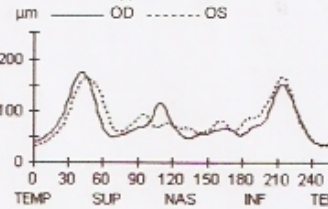
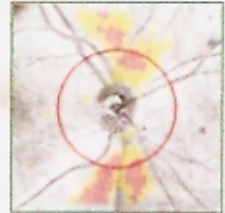


**RNFL Thickness Analysis: Optic Disc Cube 200x200**      OD ● ● OS

RNFL Thickness Map



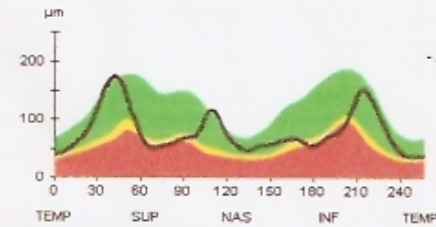
RNFL Thickness Deviation



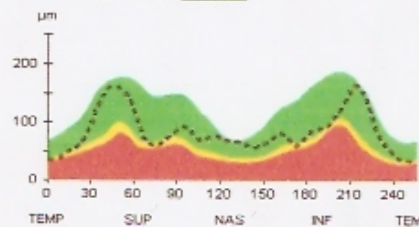
Offset (-0.03; 0.00) mm

Offset (0.03; 0.00) mm

RNFL TSNIT Normative Data



Symmetry **87%**



Extracted RNFL Tomogram



ANÁLISIS DE CAMPO ÚNICO - SITA-SWAP

OJO: DERECHO

NOMBRE: CLAUDIA MEJÍA CARRERA

FDN: 05-15-1961

ID: 43047025

CENTRAL 24-2 PRUEBA DE UMERAL

MONITOR DE FIJACIÓN: SEGUIMIENTO DE MIRADA

ESTÍMULO: V. AZUL

DIÁMETRO DE PUPILA: 5.6 MM

FECHA: 12-09-2009

OBJETIVO DE FIJACIÓN: CENTRAL

FONDO: AMARILLO

AGUDEZA VISUAL:

HORA: 3:04 PM

PÉRDIDAS DE FIJACIÓN: 0/0

ESTRATEGIA: SITA-SWAP

RX: +1.00 DS DC X

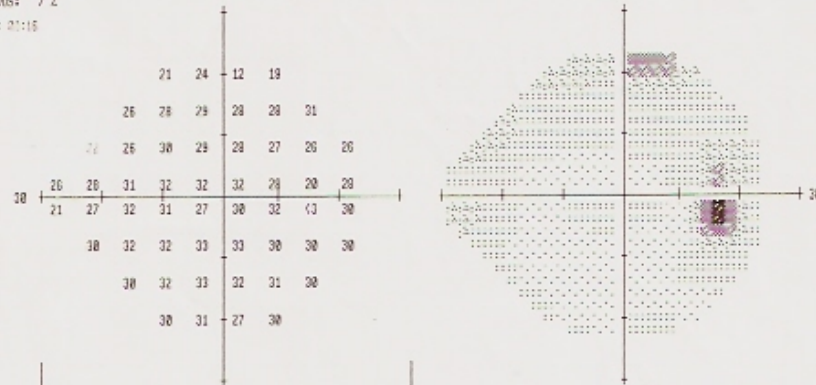
EDAD: 48

ERRORES FALSOS POSITIVOS: 7 %

ERRORES FALSOS NEGATIVOS: 7 %

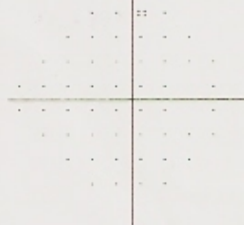
SUPERACIÓN DE LA PRUEBA: 01:16

FOVEAL: 20 DB ■



	-2	1	-10	-4				
	0	1	2	2	5			
	-3	-3	1	-1	-1	-1	-1	
	3	0	1	1	1	-2	2	
	-3	0	2	-1	-5	-2	1	0
	3	3	2	2	2	1	2	3
	2	3	3	3	2	2		
	3	4	0	2				

TOTAL  
DESVIACIÓN



	-5	-2	-13	-6				
	-2	-1	-1	-1	-1	2		
	0	-5	-2	-4	-3	-4	-4	-3
	0	-2	-2	-2	-2	-5	-1	
	-5	-3	-1	-4	-7	-4	-1	1
	0	0	-1	-1	-1	-2	-1	0
	0	0	1	0	-1	-1		
	1	2	-3	0				

EJEMPLO  
DESVIACIÓN



- ○ < 5%
- ○ < 2%
- ○ < 1%
- < 0.5%

PHC  
CENTRO DE LÍMITES NORMALES

SITA-SWAP	
DM	+0.60 DB
DSM	2.42 DB

CLÍNICA OFTALMOLÓGICA DE MEDELLÍN  
CARRERA 30 NO. 7A 30  
TEL. 3118805  
MEDELLÍN

ANÁLISIS DE CAMPO VISIONAL SITA-SWAP

OJO: IZQUIERDO

NOMBRE: CLAUDIA MEJIA CAMPONA

FDN: 05-15-1961

ID: 43047025

CENTRAL 24-2 PRUEBA DE UMBRAL

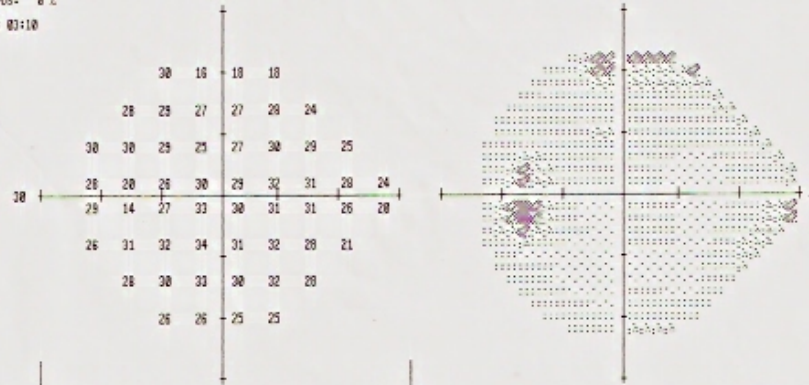
MONITOR DE FIJACIÓN: APAGADO  
 OBJETIVO DE FIJACIÓN: CENTRAL  
 PÉRDIDAS DE FIJACIÓN: 0/0  
 ERRORES FALSOS POSITIVOS: 0 %  
 ERRORES FALSOS NEGATIVOS: 0 %  
 DURACIÓN DE LA PRUEBA: 03:10

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

DIÁMETRO DE PUPILA:  
 AGUDEZA VISUAL:  
 RX: 41.75 DS DC X

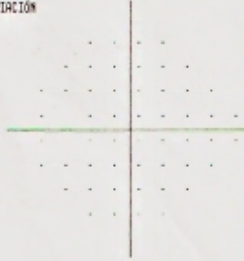
FECHA: 12-08-2003  
 HORA: 3:45 PM  
 EDAD: 40

TOTAL: 29 DB



			7	-6	-5	-5			
		2	3	1	0	1	-2		
		3	3	2	-4	-2	0	1	0
		2	-4	-1	-2	0	1	1	1
	2	-3	2	-2	-1	1	-1	-4	
	-1	3	2	3	0	1	-1	-6	
	0	1	3	0	3	0			
	-1	-2	-2	-1					

TOTAL  
 DESVIACIÓN



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

EJEMPLO  
 DESVIACIÓN



○ ○ < 3%  
 ○ ○ < 2%  
 ○ ○ < 1%  
 ■ < 0.5%

PHC  
 DENTRO DE LÍMITES NORMALES

SITA-SWAP	
DM	-0.02 DB
DSM	2.55 DB

CLINICA OFTALMOLOGICA DE MEDELLIN  
 CARRERA 30 NO. 7A 30  
 TEL. 3118805  
 MEDELLIN

# Glaucoma leve o moderado

- Foto Fondo de Ojo.
- Paquimetría.
- O.C.T y control cada año.
- Csvs 24-2, inicialmente en lo posible cada 4 meses; cuando tenga mínimo 4 pedir seguimiento

# Glaucoma Avanzado

D.M -20 db

- Foto Fondo de Ojo
- O.C.T. En esta fase las pruebas estructurales no son tan importantes.
- CsVs 24-2, inicialmente en lo posible cada 4 meses; cuando tenga mínimo 4 pedir seguimiento

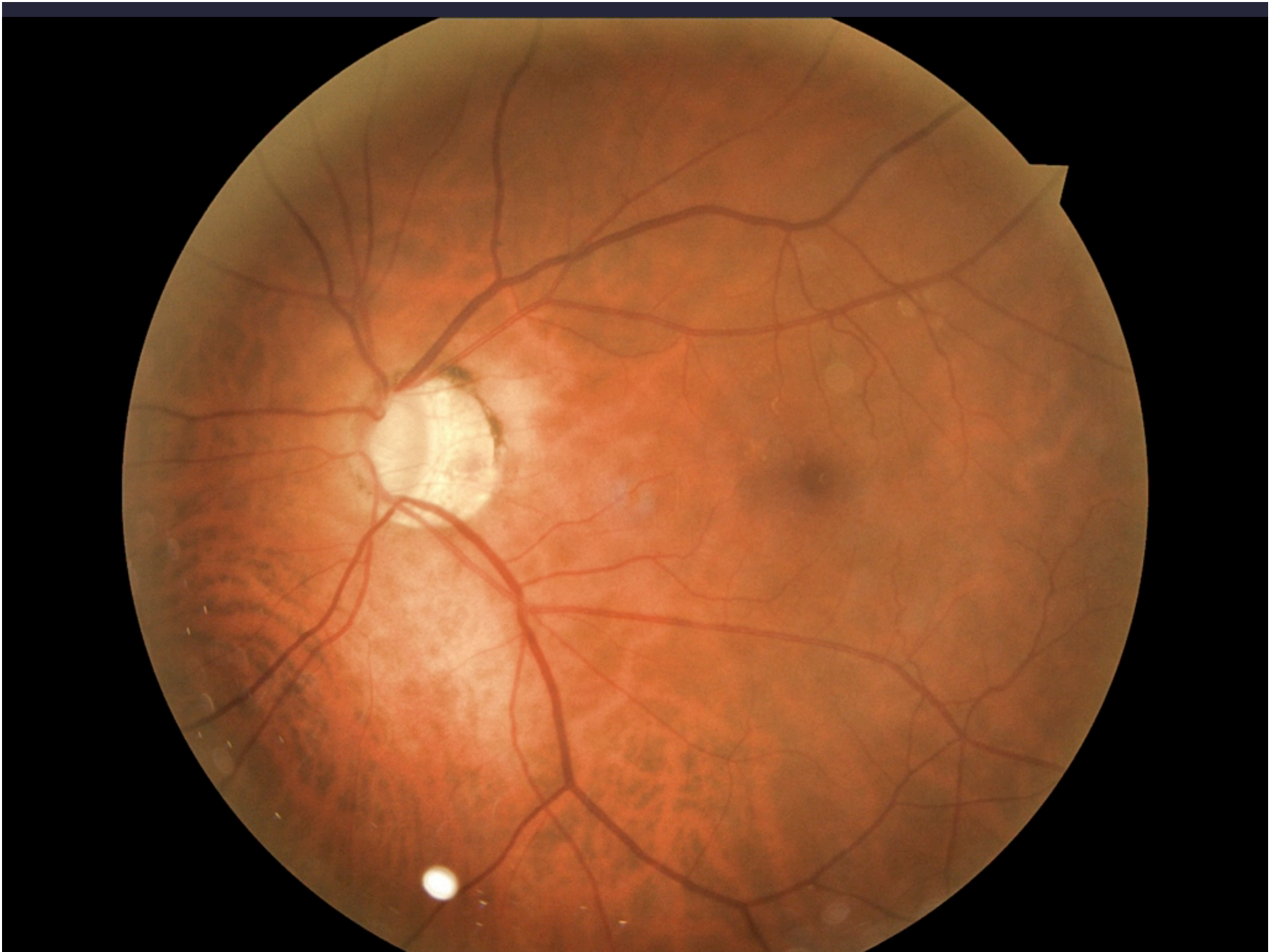
# Glaucoma Avanzado

D.M -20 db

- Si la sensibilidad es muy baja, pedir campimetría con estímulo V
- Si el campo es muy concéntrico, pedir 10-2. Se puede pedir Estímulo V con 10-2
- Los CSVs con estímulo V o 10- no tiene prueba de seguimiento





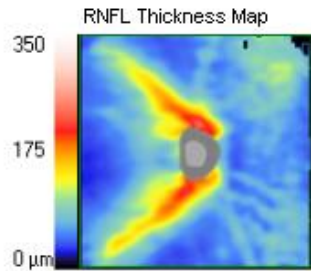


ID: 6660436  
 DOB: 8/28/1947  
 Gender: Male  
 Doctor:

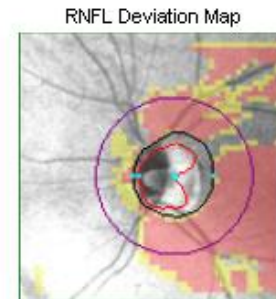
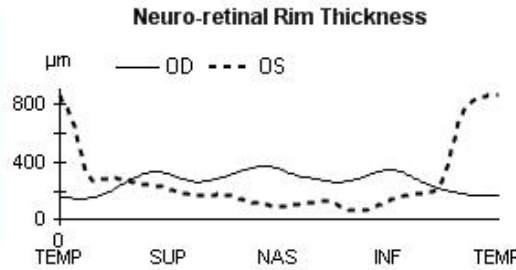
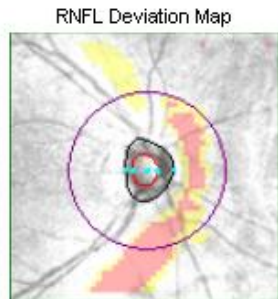
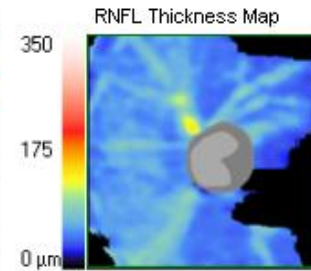
Exam Date: 11/26/2011 11/26/2011 C.Z.M.I.  
 Exam Time: 3:21 PM 3:21 PM  
 Technician: Operator, Cirrus  
 Signal Strength: 4/10 5/10

## RNFL and ONH: Optic Disc Cube 200x200

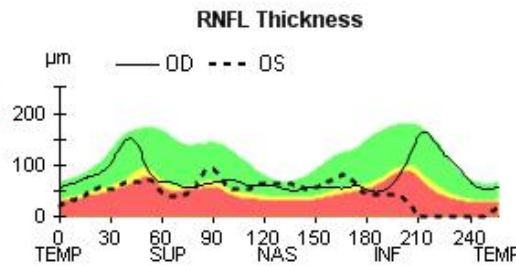
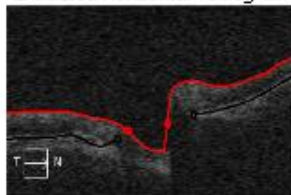
OD ● ● OS



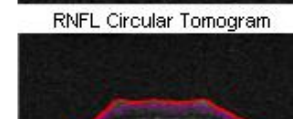
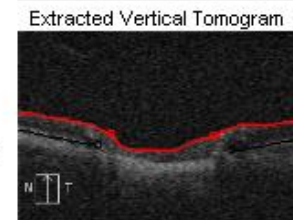
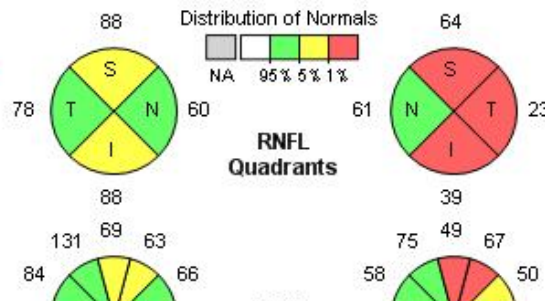
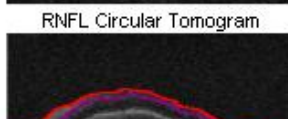
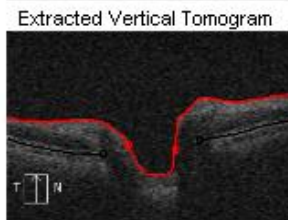
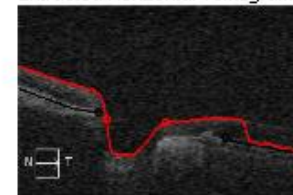
	OD	OS
Average RNFL Thickness	79 $\mu\text{m}$	47 $\mu\text{m}$
RNFL Symmetry	-35%	
Rim Area	0.81 $\text{mm}^2$	1.25 $\text{mm}^2$
Disc Area	1.16 $\text{mm}^2$	2.59 $\text{mm}^2$
Average C/D Ratio	0.53	0.70
Vertical C/D Ratio	0.49	0.78
Cup Volume	0.110 $\text{mm}^3$	0.414 $\text{mm}^3$



Disc Center (0.03,-0.06) mm  
Extracted Horizontal Tomogram



Disc Center (0.42,-0.18) mm  
Extracted Horizontal Tomogram





ID: 0227259

CENTRAL 24-2 PRUEBA DE UMERAL

MONITOR DE FIJACION: APAGADO

OBJETIVO DE FIJACION: CENTRAL

PERDIDAS DE FIJACION: 0/0

ERRORES FALSOS POSITIVOS: 2 %

ERRORES FALSOS NEGATIVOS: 0 %

DURACION DE LA PRUEBA: 06:23

FOVEAL: 30 DB

ESTIMULO: III+ BLANCO

FONDO: 31.5 RGB

ESTRATEGIA: SIXA-STANDARD

DIAMETRO DE PUPILA: 5.9 MM

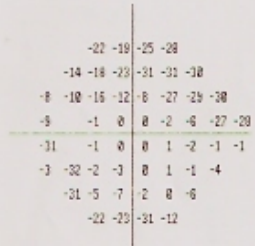
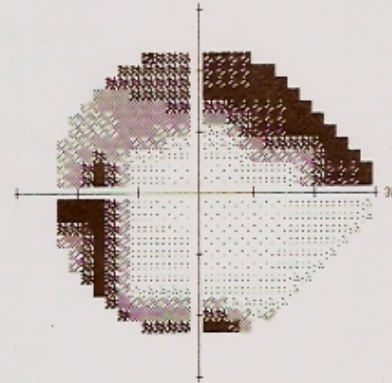
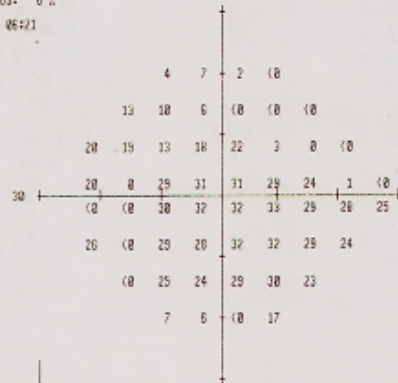
AGUDEZA VISUAL:

RX: +2.25 DS DC X

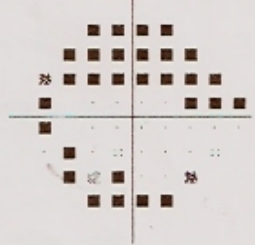
FECHA: 05-22-2011

HORA: 2:11 PM

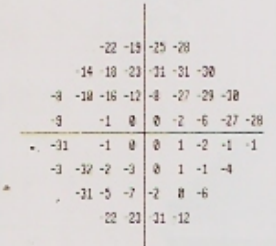
EDAD: 70



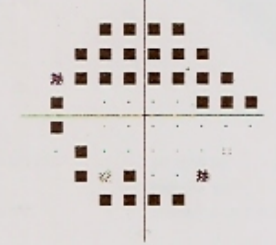
DESVIACION TOTAL



□ □ 1.5X  
 □ □ 2X  
 □ □ 3X  
 ■ 4 0.5X



DESVIACION DEL MODELO



PHG

FUERA DE LÍMITES NORMALES

VFL 700

DM -10.40 DB P ( 0.5%

DSM 12.42 DB P ( 0.5%

CLINICA OFTALMOLOGIA DE MEDELLIN

CARRERA 30 NO. 7A 30

TEL. 3110005

MEDELLIN

Ojo

es alterado, alteraciones inespecíficas, poca cons