

Refrakční vstup



Kazuistika 1

Odesl. lékař: Ruska! Povolání: Andruška Věk: 14 15.08.2000

Brýle nosí od: 12 let Zátěž zraku: řízení v noci LCD jiné společ, diskomfort

Brýle	<input type="checkbox"/> ne	KČ	nosi:	let
<input checked="" type="checkbox"/> 100%	<input type="checkbox"/> dálka	<input type="checkbox"/> žádné	<input type="checkbox"/> torické	<input type="checkbox"/> Hard
<input checked="" type="checkbox"/> 50%	<input type="checkbox"/> blízko	<input checked="" type="checkbox"/> měkké	<input type="checkbox"/> RGP	<input type="checkbox"/> RGP
<input type="checkbox"/> 10%	<input type="checkbox"/> bifokal	<input checked="" type="checkbox"/> denně	<input type="checkbox"/> 50%	<input type="checkbox"/> 10%
<input type="checkbox"/> multifok		naposledy před:	<u>2</u> d	<u>0</u> m / r

Oční anam: halo glare suchost
 glaukom síňhání amblyopie oční záněty oční Th
 úraz očí keratokoni operace očí herpes očí

Preference pooperační: Dálka ___ % PC ___ % Blízko ___ %
 Alergie: 0/0
 Th. celk.: 0/0
 Celk. stav: DM epilepsie gravidita Hepatitida Kojení

V	OP			UCVA:
	Sf	Cyl	Ax	BCVA
S vl. kor.:	=2,25	-	-	0,16(41)
AR:	=2,25	=1,50	89	0,19
Manifest:	=2,25	=0,50	90	1,2(62)
V blízko:	add: /	Jč(nat) 1,0	Jč(mnf) 1,0	Jč(add) /
AR cyklo:				
Manif cyl:				

OL	OP			UCVA:
	Sf	Cyl	Ax	BCVA
S vl. kor.:	=2,25	-	-	0,18
AR:	=2,75	=1,25	90	0,18
Manifest:	=2,75	=0,25	90	1,2(62)
V blízko:	add: /	Jč(nat) 1,0	Jč(mnf) 1,0	Jč(add) /
AR cyklo:				
Manif cyl:				

AS rad

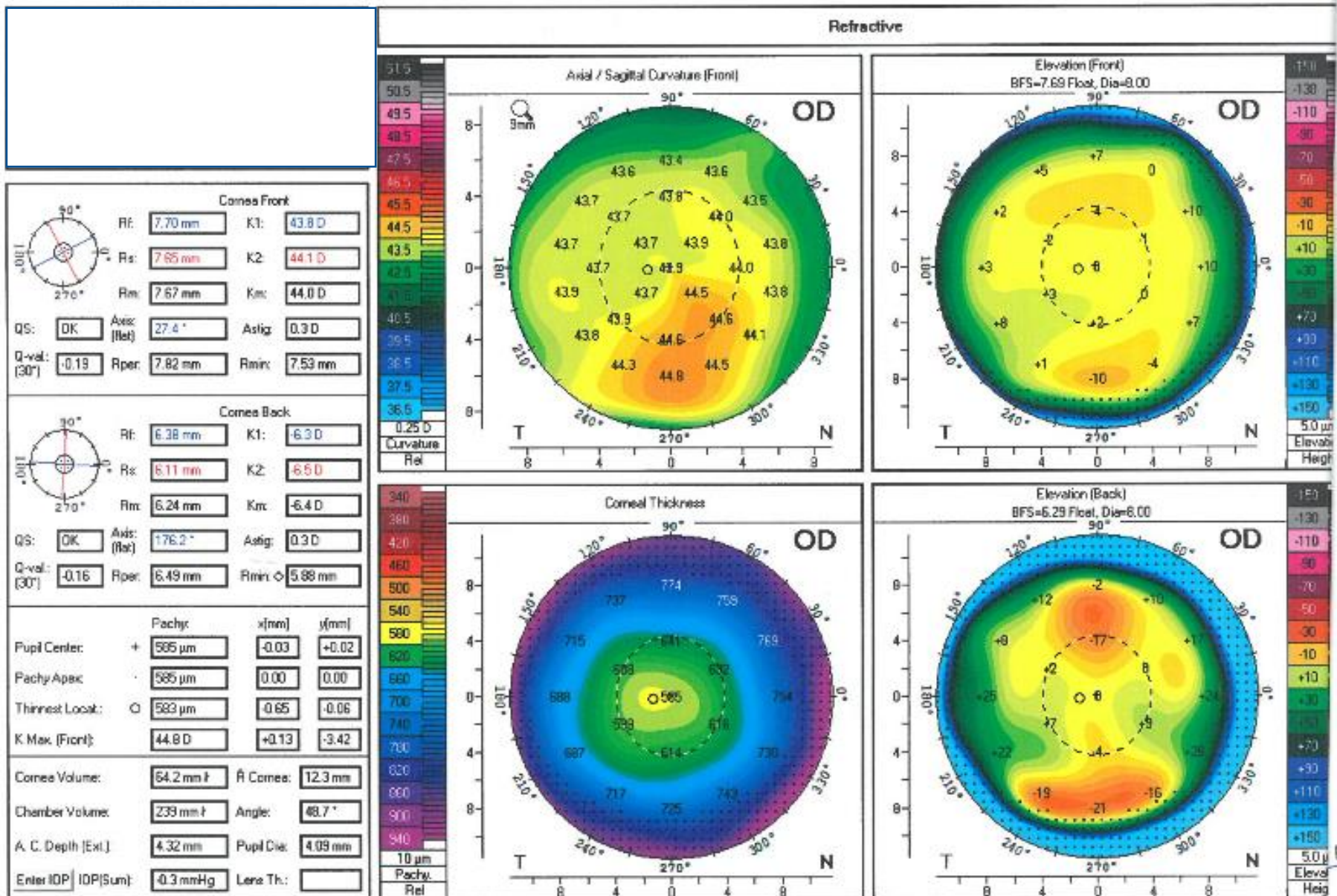
Pachy:	centrální <u>0,80</u>	ablace 6,5 mm <u>4,8</u>	Ø zornice <u>8,3</u>	= C-A-120µ <u>4,17</u>
Kerato:	Min K <u>44,20</u>	Min ax <u>5</u>	Max K <u>44,08</u>	Max ax <u>95</u>
Wavefr:	Coma H3,1	Sph Ab H4,0	HO RMS	

Pachy:	centrální <u>0,84</u>	ablace 6,5 mm <u>5,2</u>	Ø zornice <u>8,0</u>	= C-A-120µ <u>4,12</u>
Kerato:	Min K <u>44,20</u>	Min ax <u>11</u>	Max K <u>44,40</u>	Max ax <u>111</u>
Wavefr:	Coma H3,1	Sph Ab H4,0	HO RMS	

NOT: 15,3 Schirm: 130 WtW: 12,3 NOT: 14,0 Schirm: 130 WtW: 12,3
 Dominance: OP OL KT: oklho, KS plm, 40% rad. Bino: W Dis W4, fize ok, oklho, Stereo; chr

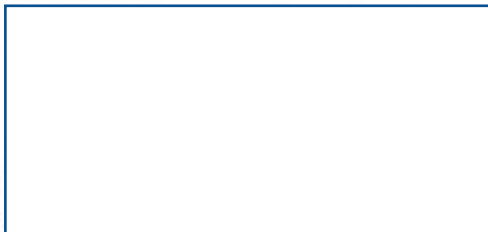
OCULUS - PENTACAM 4 Maps Refractive

1.20



OCULUS - PENTACAM 1 Large Color Map

1.2087

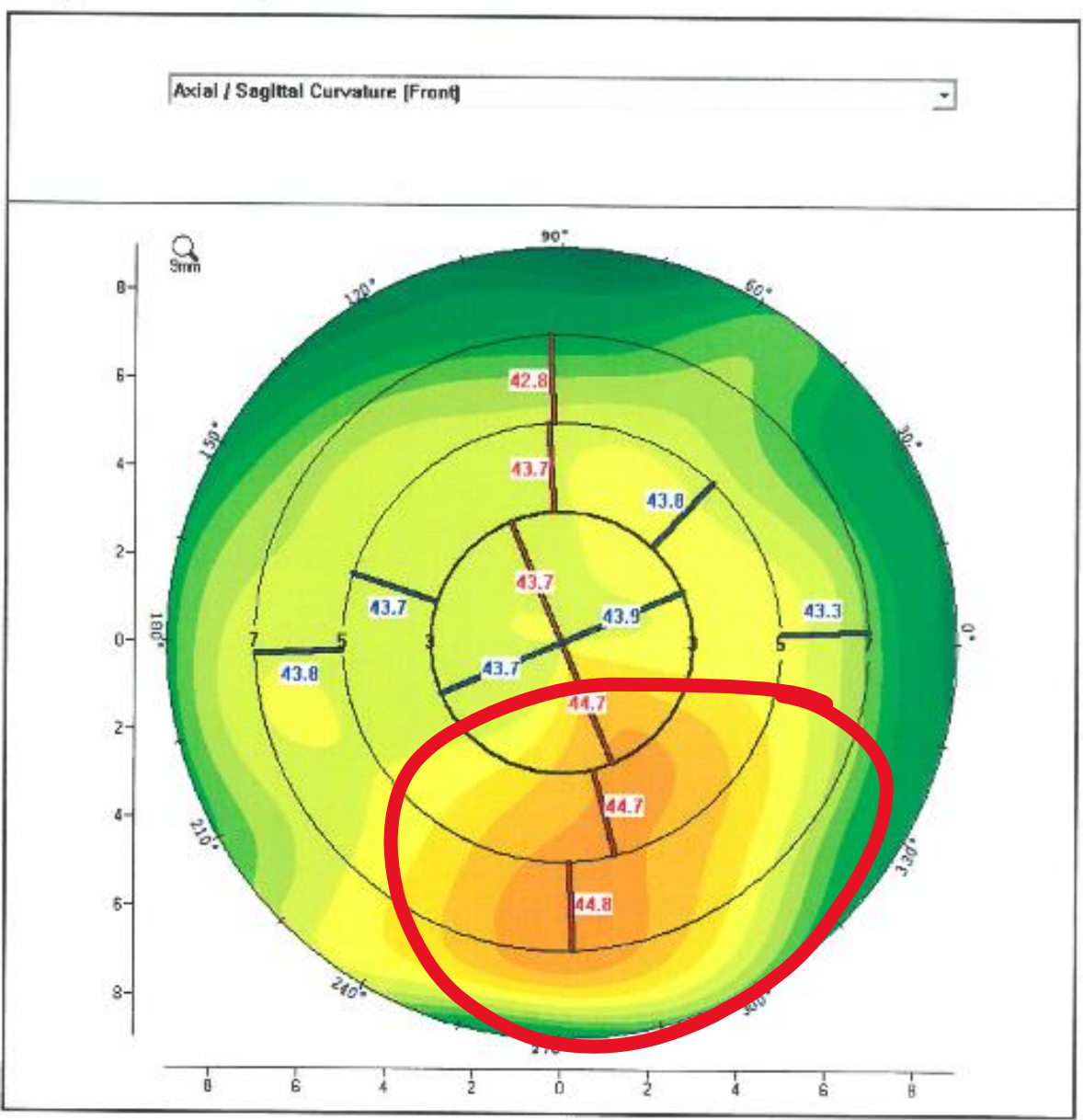


Cornea Front			
Rt:	7.70 mm	K1:	43.8 D
Rs:	7.65 mm	K2:	44.1 D
Rm:	7.67 mm	Km:	44.0 D
QS:	DK	Axis: (flat)	27.4 °
		Astig:	0.3 D
Q-val: (30°)	-0.19	Rper:	7.92 mm
		Rmin:	7.53 mm

Cornea Back			
Rt:	6.36 mm	K1:	-6.3 D
Rs:	6.11 mm	K2:	-6.5 D
Rm:	6.24 mm	Km:	-6.4 D
QS:	OK	Axis: (flat)	175.2 °
		Astig:	0.3 D
Q-val: (30°)	-0.16	Rper:	6.49 mm
		Rmin:	5.88 mm

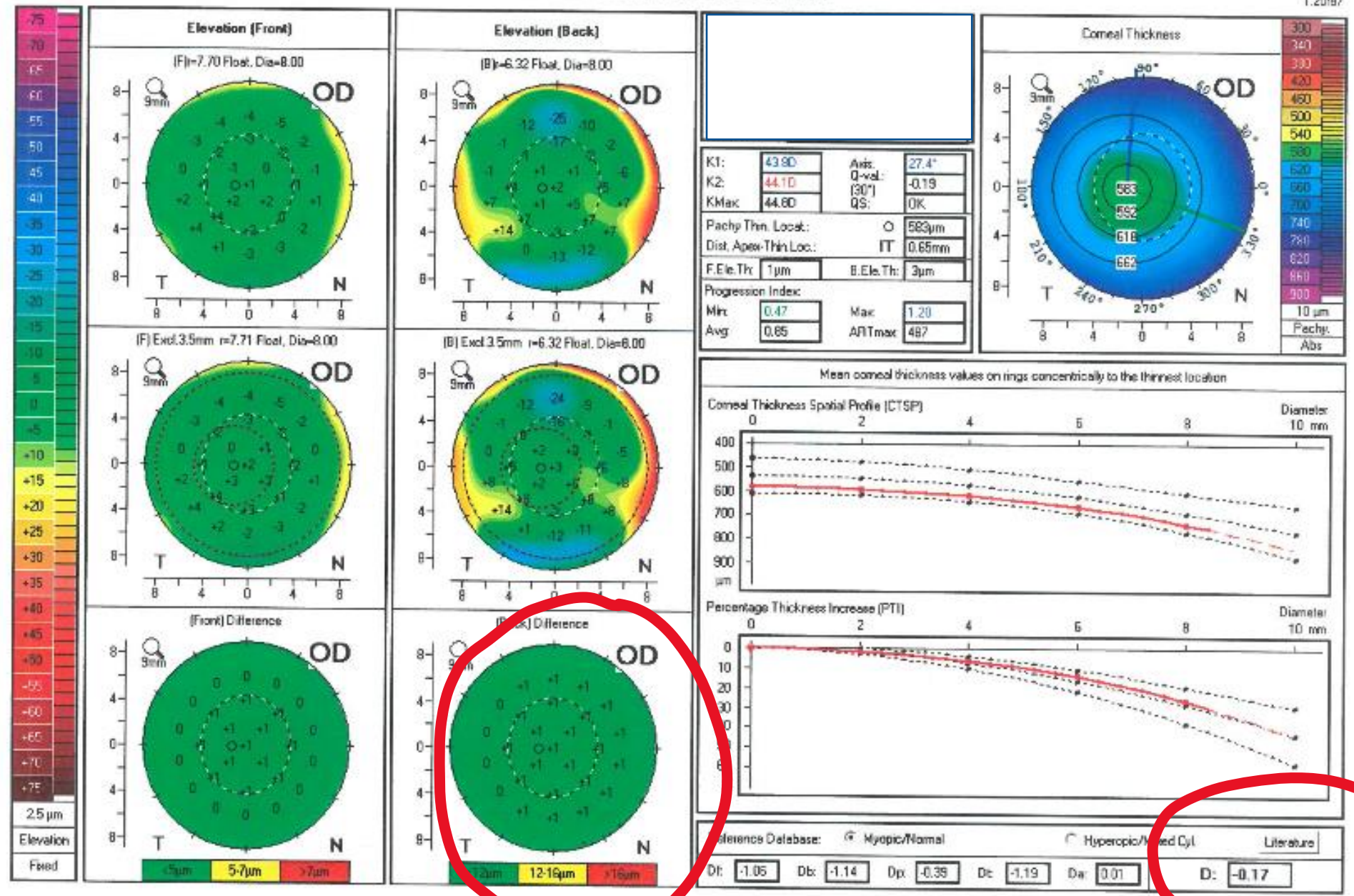
	Pachy:	x(mm)	y(mm)
Pupil Center:	+ 595 µm	-0.03	+0.02
Pachy Apex:	- 595 µm	0.00	0.00
Thinnest Locat.:	○ 563 µm	-0.65	-0.06
K Max (Front):	44.6 D	+0.13	-3.42

Cornea Volume:	64.2 mm ³	Ant Cornea:	12.3 mm
Chamber Volume:	239 mm ³	Angle:	48.7 °
A. C. Depth (Ext.):	4.32 mm	Pupil Dia:	4.09 mm
Enter IOP IOP(Sum):	-0.3 mmHg	Lens Th.:	



OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia

1.20:87



Kazuistika 2

Odesl. lékař: internet

Povolání: MD

Věk: 33

Brýle nosí od: 14 let

Zátěž zraku: X

Trzení v noci LCD X Kine nepřímé světlo by/bj/ skosené

Brýle	<input type="checkbox"/> ne	KČ	nosí: 8 let
<input checked="" type="checkbox"/> 100%	<input checked="" type="checkbox"/> dálka	<input type="checkbox"/> žádné	<input checked="" type="checkbox"/> torické
<input checked="" type="checkbox"/> 50%	<input type="checkbox"/> blízko	<input checked="" type="checkbox"/> měkké	<input type="checkbox"/> RGP
<input type="checkbox"/> 10%	<input type="checkbox"/> bifokál	<input type="checkbox"/> denně	<input type="checkbox"/> 50%
	<input type="checkbox"/> multifok	naposledy před: 8	<input type="checkbox"/> 10%

Oční anam:	<input type="checkbox"/> haló	<input type="checkbox"/> glare	<input type="checkbox"/> suchost
<input type="checkbox"/> glaukom	0 1 2 3 4	0 1 2 3 4	0 1 2 3 4
<input type="checkbox"/> síňňani			
<input type="checkbox"/> amblyopie	<input type="checkbox"/> úraz očí	<input type="checkbox"/> keratokón	<input type="checkbox"/> operace
<input type="checkbox"/> oční zánět			<input type="checkbox"/> herpes očí
<input type="checkbox"/> oční Th			

Preference pooperační: Dálka % PC % Blízko %

Alergie:

Celk. stav: DM epilepsie gravidita

Th. celk.:

hepatitida kojení

V	OP = 0,5	UCVA: 0,5
S vl. kor:	Sf = 2,2	Cyl = 2,5
AR:	= 2,00	= 3,75
Manifest:	= 2,0	= 3,75
V blízko:	add:	Jč(nat) 0,6
AR cyklo:	= 1,25	= 4,00
Manif cyl:	- 1,25	- 4,00

OL	UCVA: 0,1
Sf	= 2,5
Cyl	= 3,25
AR:	= 1,50
Manifest:	= 1,25
V blízko:	add:
AR cyklo:	= 0,75
Manif cyl:	- 1,0

Pachy:	centrální 536	ablace 6,5 mm 102	Ø zornice 13,14
Kerato:	Min K 42,00	Min ax 6	Max K 44,75

Pachy:	centrální 534	ablace 6,5 mm 75	Ø zornice 13,42
Kerato:	Min K 42,25	Min ax 17,5	Max K 45,00

NOT: 16,0 Schirm: 21 BUT: WtW: 11,9

Dominance: OP OL kT: OR TM KS: PC 42

NOT: 16,0 Schirm: 26 BUT: WtW: 11,9

WS: W 4 Schöper: Fuzo JEL OR TM Stereop: PC 42

OCULUS - PENTACAM 4 Map - Refractive

1.2087

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front

RF: K1:

Rx: K2:

Rm: Km:

Q5: Axis (Rot): Astig:

Q-val: Rper: Rmir:

Cornea Back

Rf: K1:

Rx: K2:

Rm: Km:

Q5: Axis (Rot): Astig:

Q-val: Rper: Rmir:

Pupil Center: + x[mm]: y[mm]:

Pachy Apex: - x[mm]: y[mm]:

Thinnest Locat: ○ x[mm]: y[mm]:

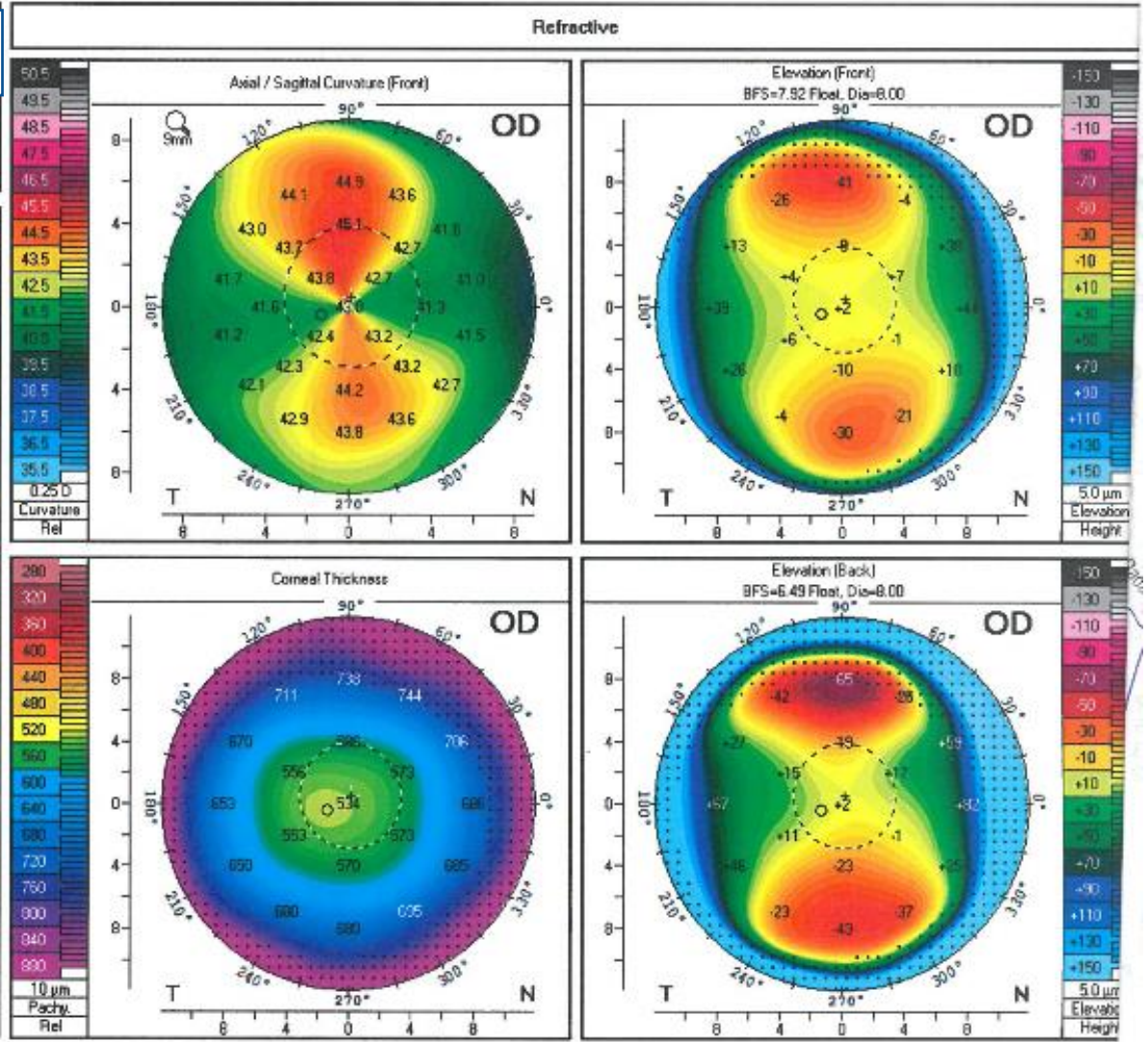
K Max (Front): x[mm]: y[mm]:

Cornea Volume: A Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP / IOP(Sum): Lens Th:



Last Name:

First Name:


ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front



Rf: K1:


Rs: K2:

Rmc: Kmc:

Q5: Axis (Rel): Astig:

Q-val: Rper: Rmin:

Cornea Back



Rf: K1:

Rs: K2:

Rmc: Kmc:

Q5: Axis (Rel): Astig:

Q-val: Rper: Rmin:

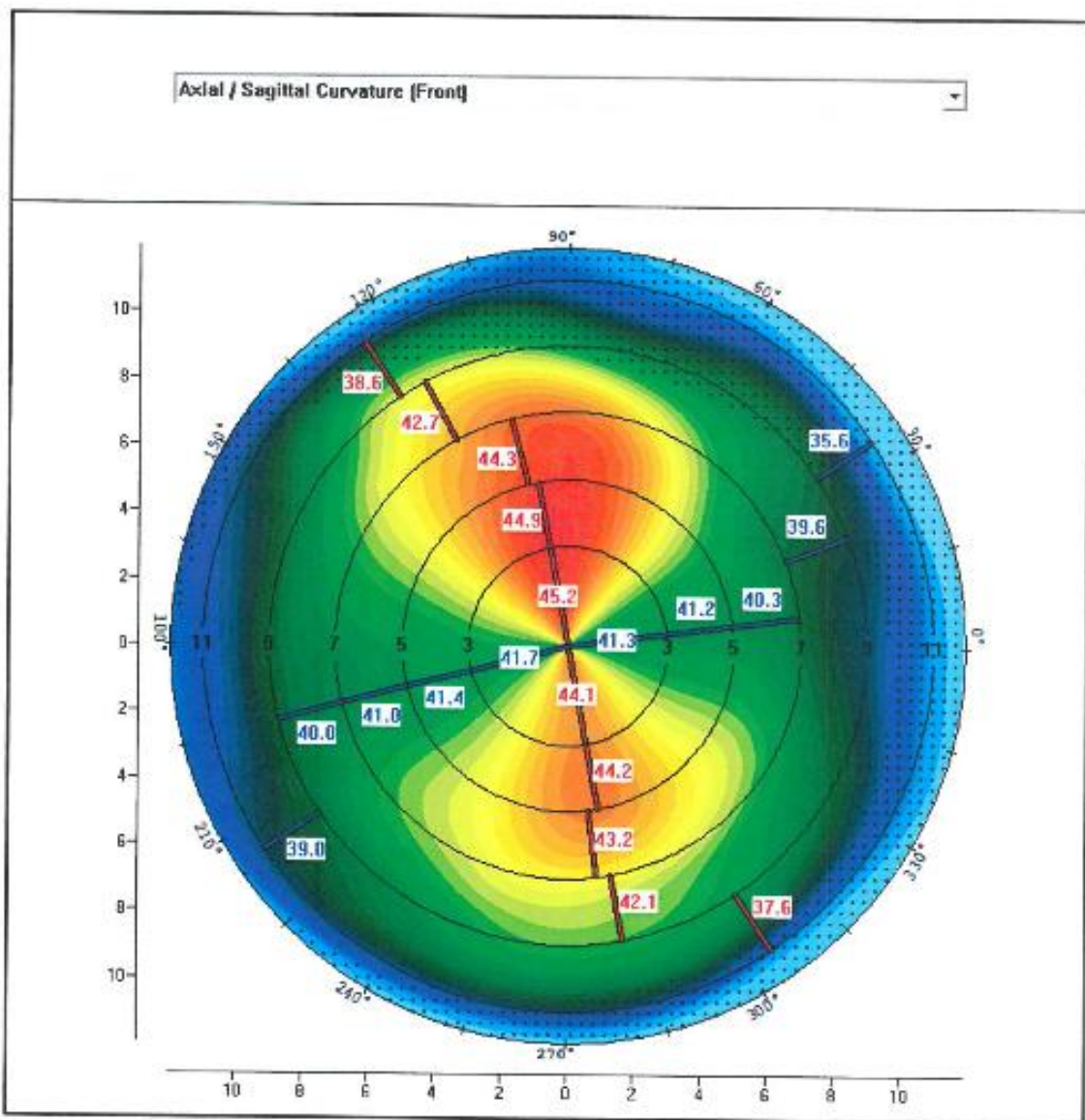
	Pachy	x(mm)	y(mm)
Pupil Center:	<input type="text" value="+ 535 μm"/>	<input type="text" value="+0.07"/>	<input type="text" value="+0.24"/>
Pachy Apex:	<input type="text" value="- 534 μm"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
Thinnest Locat.:	<input type="text" value="O 530 μm"/>	<input type="text" value="-0.66"/>	<input type="text" value="-0.20"/>
K Max (Front):	<input type="text" value="45.2 D"/>	<input type="text" value="-0.20"/>	<input type="text" value="+1.59"/>

Cornea Volume: A Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP | IOP(Sum): Lens Th.:



OCULUS - PENTACAM Refrac..ve

1.20/87

Last Name:

First Name:

ID:

Date of Birth:

Exam Date:



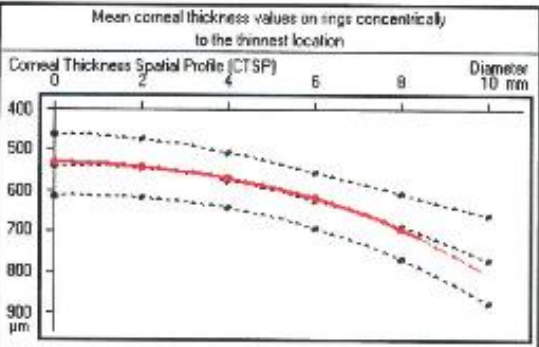
Rt: K1: Axis:
 Rk: K2: Axis:
 Rm: Km: Astig:
 OS: Q-val: Ptop: Rmin:

Pupil Center: +

Thinnest Locat: ○

A. C. Depth (Ext): Pupil Dia:

Angle: Lens Th.:



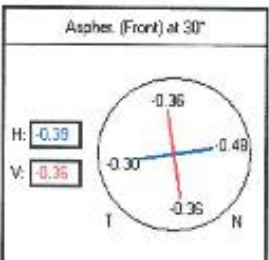
Indices (in 8mm zone)

ISV: IHA:

IVA: IHD:

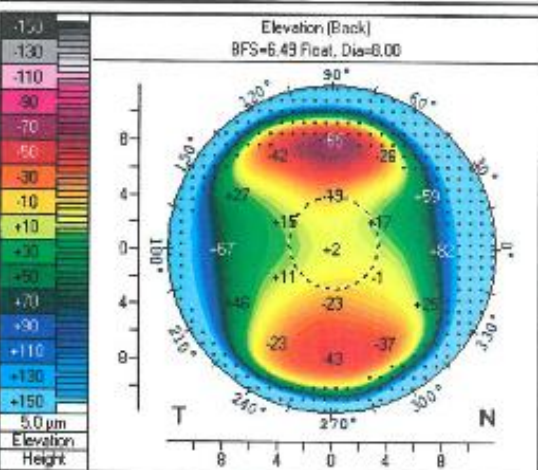
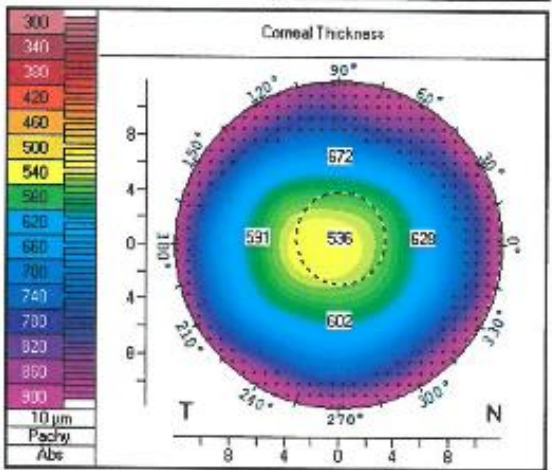
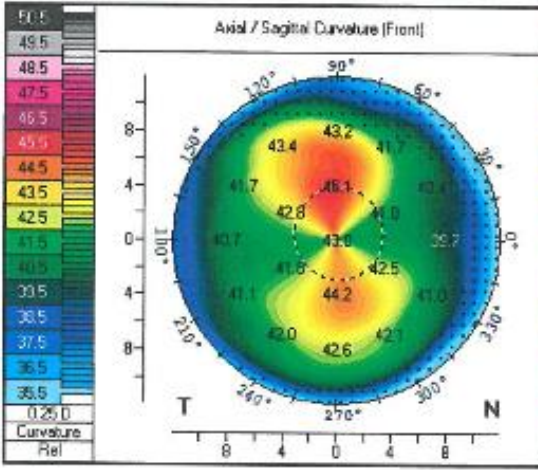
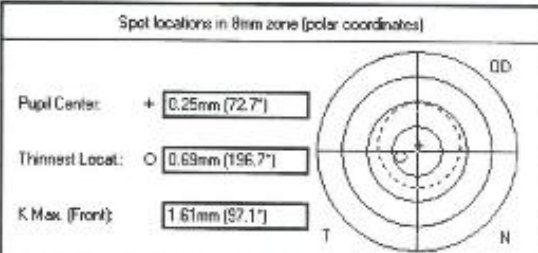
KJ: RMix:

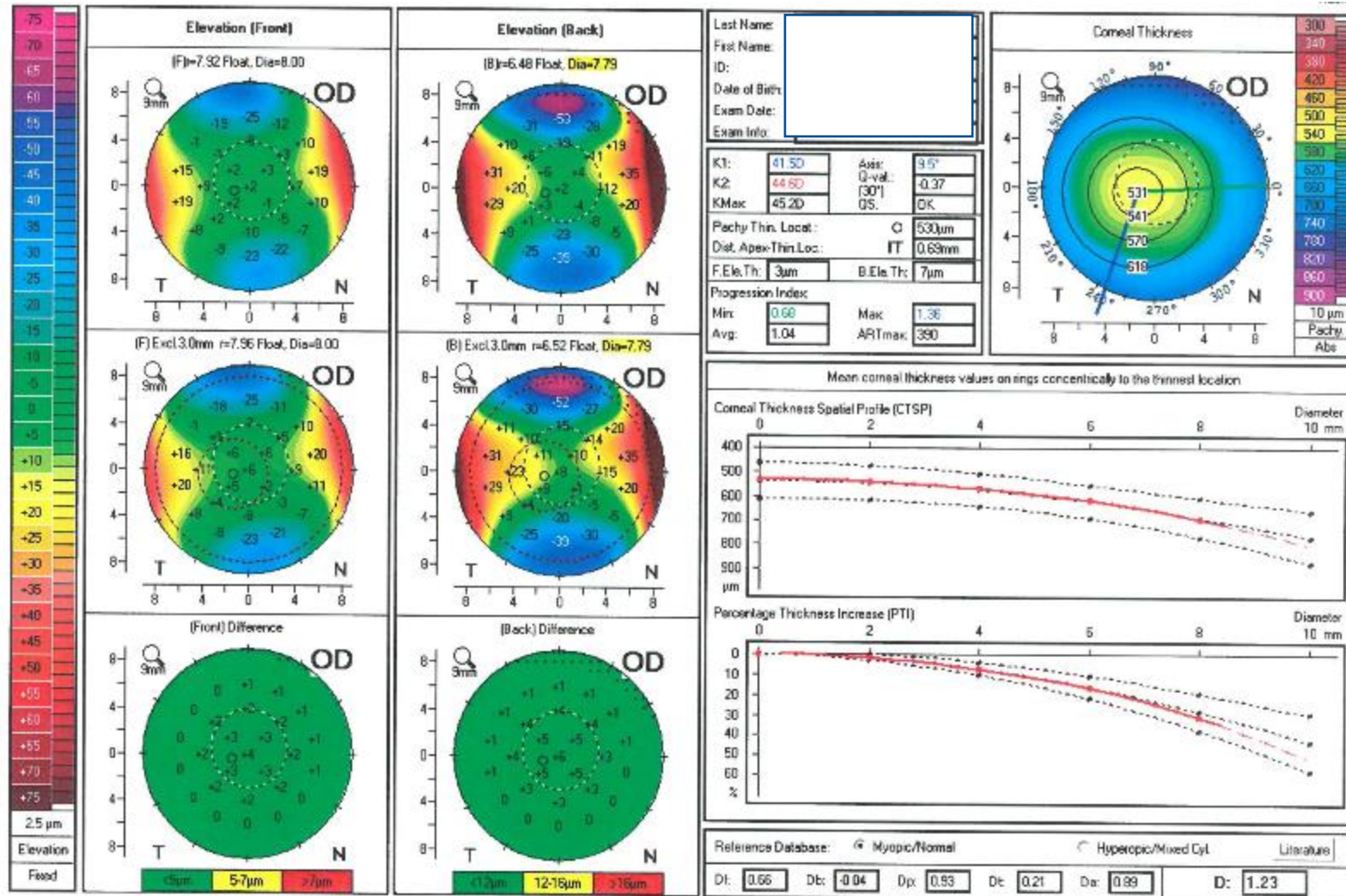
CK: TKC:



Asphericity (Front) of Major Meridians

(Q-val)	Degrees peripheral				
	20°	25°	30°	35°	40°
Nas	-0.32	-0.42	-0.46	-0.66	
Temp	-0.21	-0.22	-0.30	-0.40	-0.44
Inf	-0.17	-0.31	-0.36	-0.44	
Sup	-0.16	-0.24	-0.35	-0.58	-0.61
Mean	-0.22	-0.30	-0.37	-0.52	-0.62





Last Name:

First Name:

ID:

Date of Birth:

Exam Date:

Exam Info:

Cornea Front

Rf: 8.03 mm K1: 42.0 D

Rs: 7.56 mm K2: 44.6 D

Rmc: 7.80 mm Kmc: 43.3 D

QS: OK Axis (flat): 173.9° Astig: 2.6 D

Q-val: (30°) -0.34 Rper: 8.03 mm Rmir: 7.50 mm

Cornea Back

Rf: 6.67 mm K1: 6.0 D

Rs: 5.33 mm K2: -6.7 D

Rmc: 6.30 mm Kmc: -6.3 D

QS: OK Axis (flat): 175.5° Astig: 0.7 D

Q-val: (30°) -0.31 Rper: 6.64 mm Rmir: 5.89 mm

Pupil Center: + Pachy: 537 μm x(mm): -0.14 y(mm): +0.29

Pachy Apex: - Pachy: 534 μm x(mm): 0.00 y(mm): 0.00

Thinned Locat: O Pachy: 531 μm x(mm): +0.63 y(mm): -0.13

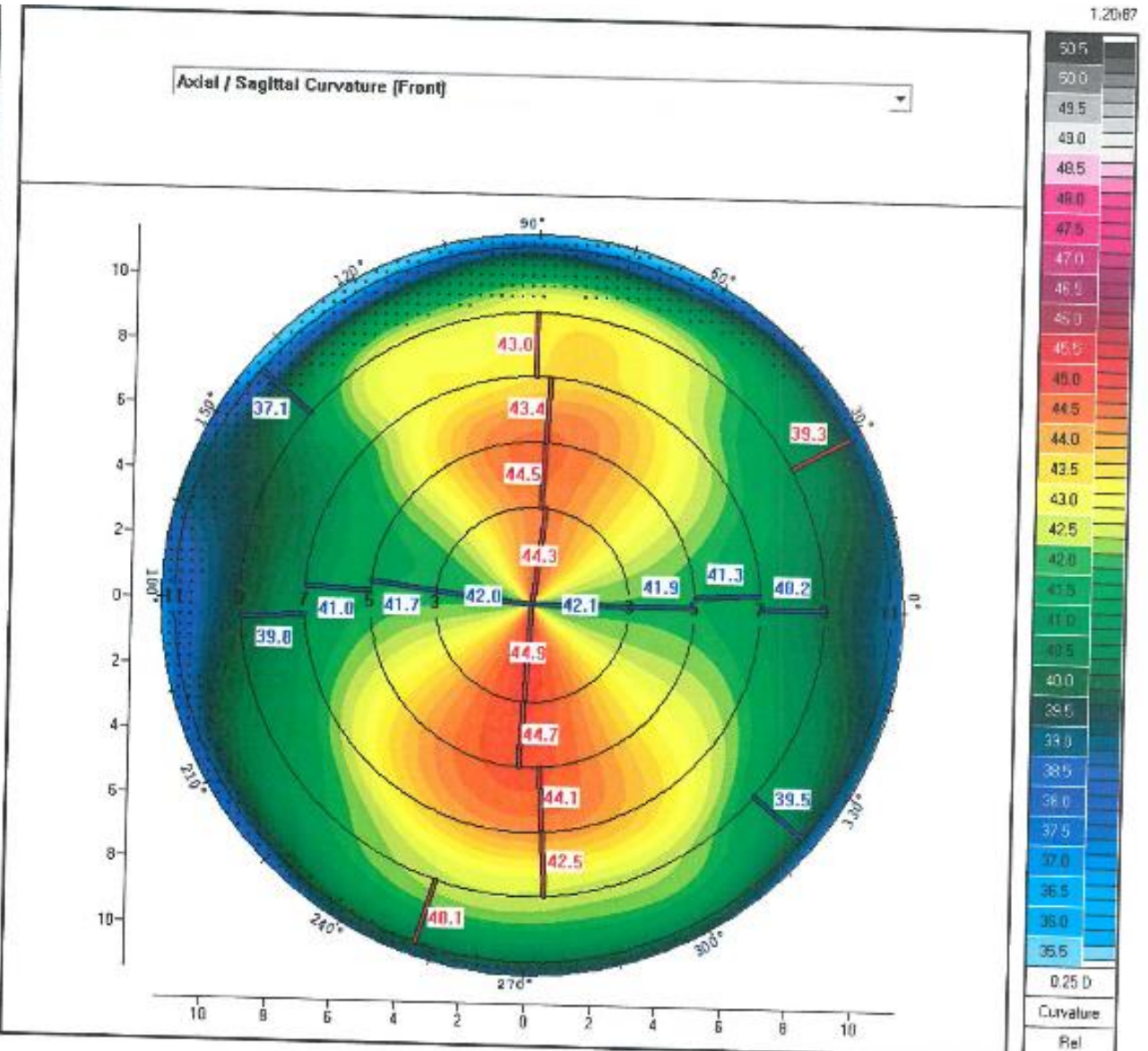
K Max. (Front): 45.0 D x(mm): -0.06 y(mm): -0.89

Cornea Volume: 60.5 mm³ A Cornea: 11.9 mm

Chamber Volume: 196 mm³ Angle: 39.3°

A. C. Depth (Ext.): 3.74 mm Pupil Dia: 3.24 mm

Enter IOP: -0.7 mmHg IOP(Sum): Lens Th.:



Refrakční pacientka, chtěla by se zbavit brýlí

Oční anamnéza:

OA: revmatické onemocnění neguje. Atopik není. Hojí se dobře. Alergie neguje

A: brýle od 14let, korekce stará asi 3 roky, teď po porodu se zdá zhoršení, KČ nenosí, skoušela a nesesedeli, operace, úrazy chron. onemocnění očí neuvádí. V dětství bez šilhání a nošení okluzoru. Barvocit neporušen, šeroslepost neuvádí.

Vnat ODS: 0,05/0,1

V nat. blízko 0,6/0,8

VI korekce: F cca 3 roky

OD: -0,5cyl-2,5 ax13 0,4

OS: -0,5cyl-2,25 ax1 0,4

Subj. ref:

OD: -2,0cyl -3,75ax .15..... 1,2-- RG: odp

OS: -1,25cyl-3,0 ax176 1,2-- RG: odp

V blízko s Add0: 0,8/1,0

Dominance: OS

AŠ: 6,6 D

KT: ortho

KS: konvergence plynulá

Motilita: volná

Worth: 4

Schober: fúze OK, ortho

Stereopse: plně

Amsler: negativní

Barvocit: neporušen

Graf kontrastní citlivosti přiložen v papírové dokumentaci.

Schirmerův test: 21/26mmhg

NT ODS: 16,0/16,0 mmHg

Pachymetrie: 536/537um, Belin- ambrosio negativní, pravidelný astigmatismus

Biometrie přeměřena, Perimetr ODS v normě

ODS: zevně klidné, přední segment intaktní, opt, media čirá

F ODS: fyziolog. nález odpov. věku

ODS: Myopia levis

Astigmatismus

Operace: Neolasik HD OPL

Cílová refrakce: emetropie

Kazuistika 3

OCULUS - PENTACAM 1 Large Color Map

1.20/87

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front

Rt: K1:

Ra: K2:

Rm: Km:

QS: Axis (Net): Axis:

Q-val: Pper: Rmix:

Cornea Back

Rt: K1:

Ra: K2:

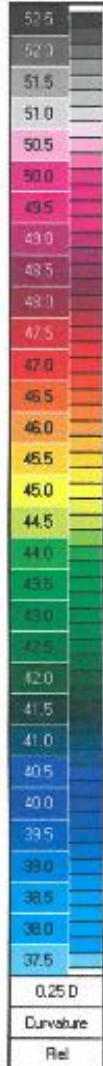
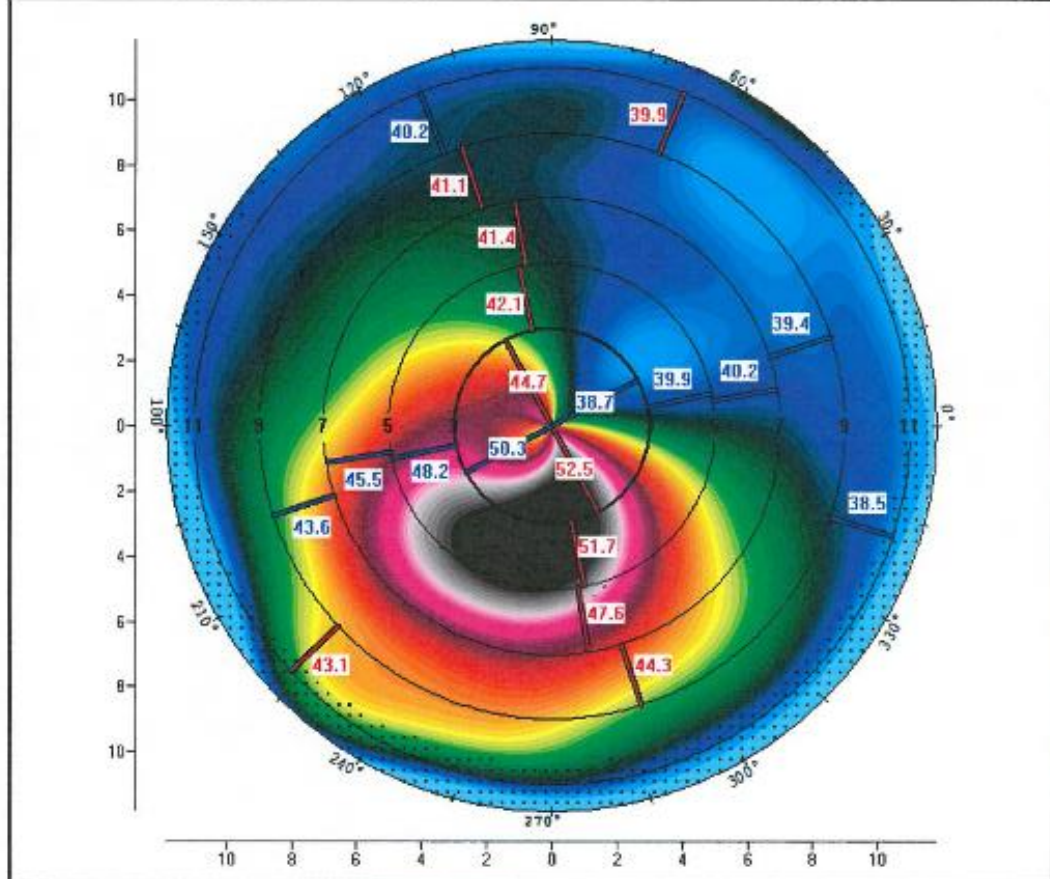
Rm: Km:

QS: Axis (Net): Axis:

Q-val: Pper: Rmix:

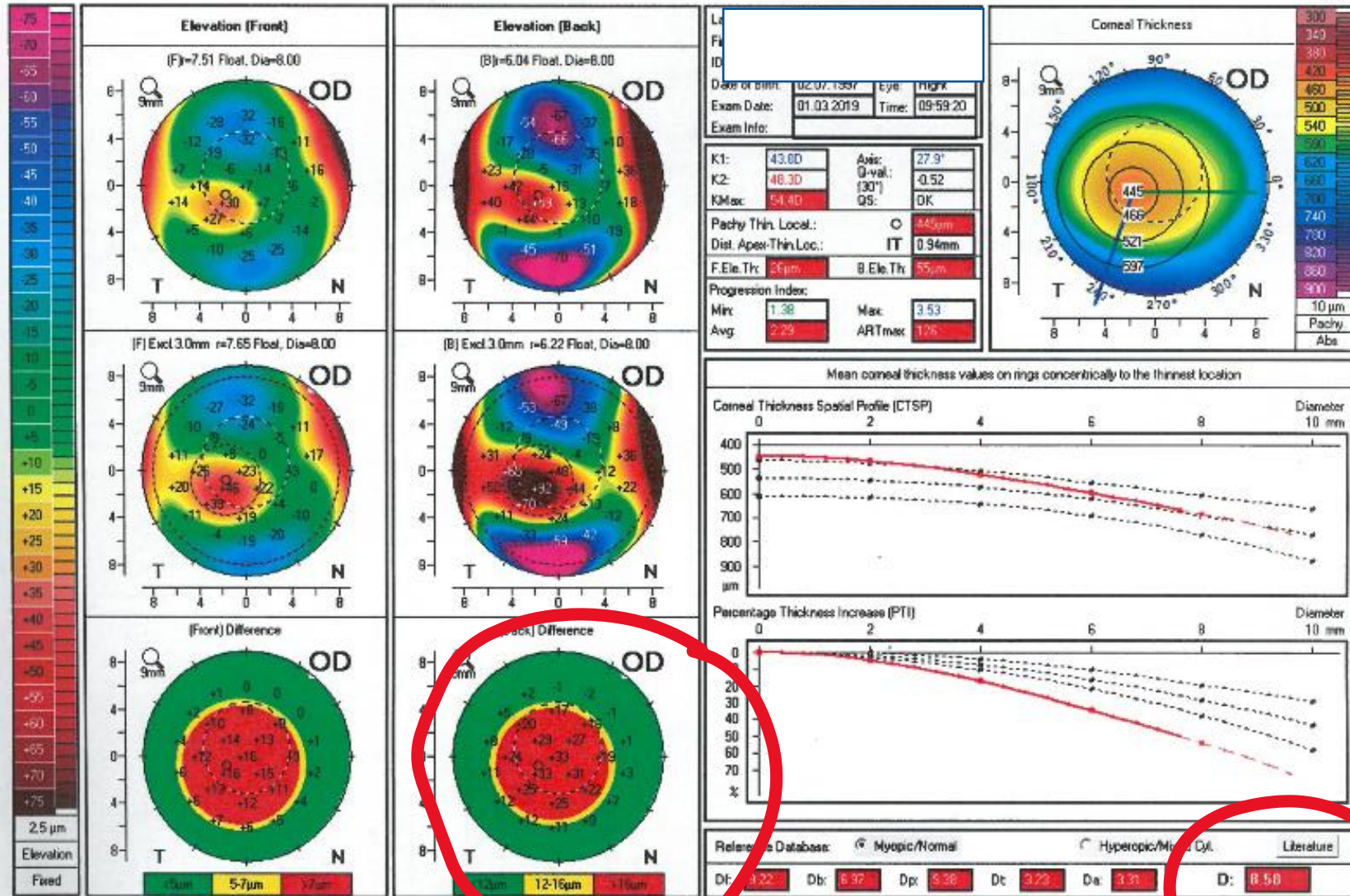
	Pachy:	x[mm]	y[mm]
Pupil Center:	+ 457 μm	0.00	+0.35
Pachy Apex:	- 459 μm	0.00	0.00
Thinnest Locat.:	○ 445 μm	-0.85	-0.39
K Max. (Front):	54.4 D	-0.13	-1.71
Cornea Volume:	<input type="text"/>	R Cornea:	<input type="text" value="12.3 mm"/>
Chamber Volume:	<input type="text" value="242 mm³"/>	Angle:	<input type="text" value="33.5°"/>
A. C. Depth [Ext.]:	<input type="text" value="4.16 mm"/>	Pupil Dia:	<input type="text" value="3.83 mm"/>
Enter IOP IOP(Sum):	<input type="text" value="-0.8 mmHg"/>	Lens Th:	<input type="text"/>

Axial / Sagittal Curvature (Front)



OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia

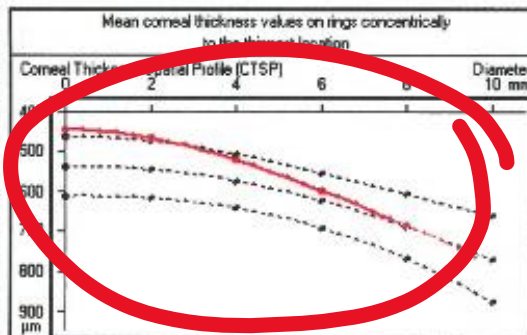
1.20187



OCULUS - PENTACAM Refractive

1.2087

Last Name:
 First Name:
 ID:
 Date of Birth: Eye:
 Exam Date: Time:



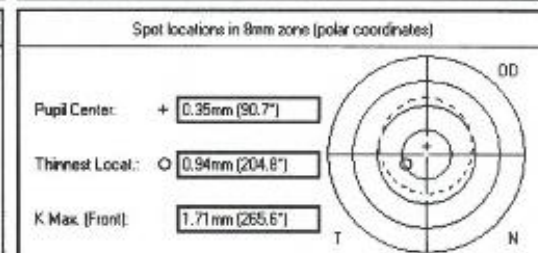
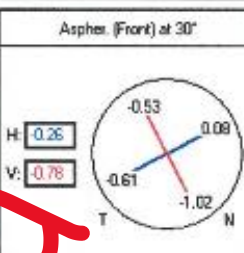
Asphericity (Front) of Major Meridians

[Q-val]	Degrees peripheral				
	20°	25°	30°	35°	40°
Nas	0.25	0.16	0.08	-0.01	
Temp	0.02	-0.36	-0.51	-0.74	-1.25
Inf	-1.00	-1.00	-1.02	-0.98	-1.10
Sup	0.66	-0.66	-0.53	-0.46	-0.45
Mean	-0.40	-0.48	-0.52	-0.55	-0.94

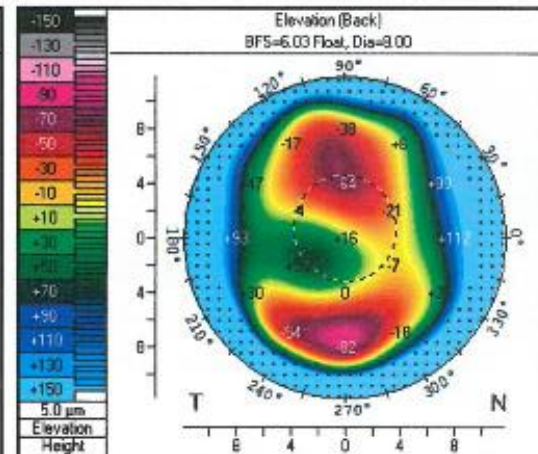
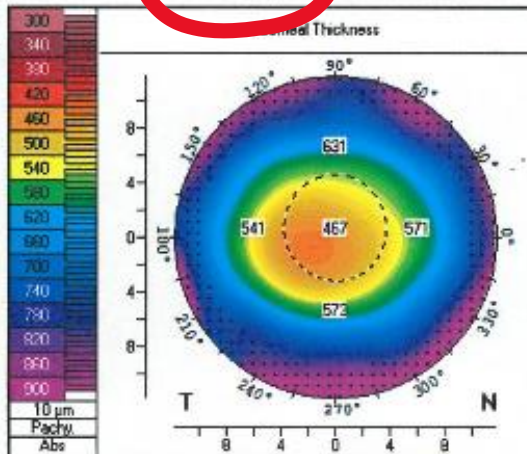
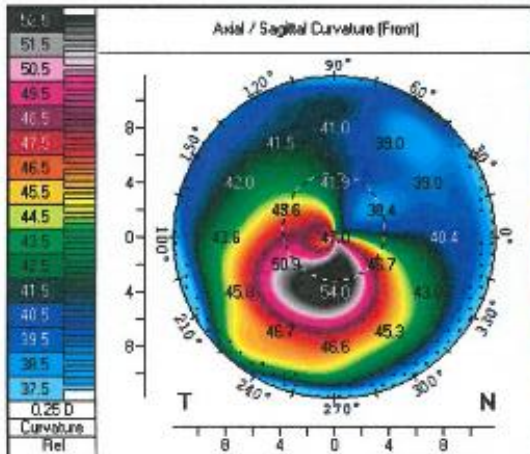
R1: 7.71 mm K1: 43.8 D Axis: 27.9°
 R2: 6.99 mm K2: 48.3 D Axis: 117.9°
 Rmc: 7.35 mm Kmc: 45.9 D Astig: 4.6 D
 QS: Q-val: (30°) -0.52 Rper: 7.91 mm Rmin: 6.20 mm

Indices (in 8mm zone)

ISV: 93	IHA: 61.6
IVA: 115	IHD: 0.144
KI: 1.24	RMI: 6.70
DKI: 1.03	TKC: 10.23



Pupil Center: + 467 µm x(mm) 0.00 y(mm) +0.35
 Thinnest Locat.: O 445 µm x(mm) -0.85 y(mm) 0.39
 A. C. Depth (Ext.): 4.16 mm Pupil Dia: 3.83 mm
 Angle: 33.5° Lens Th.:



OCULUS - PENTACAM 4 Maps Refractive

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front

Rt: K1:

Rs: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmin:

Cornea Back

Rt: K1:

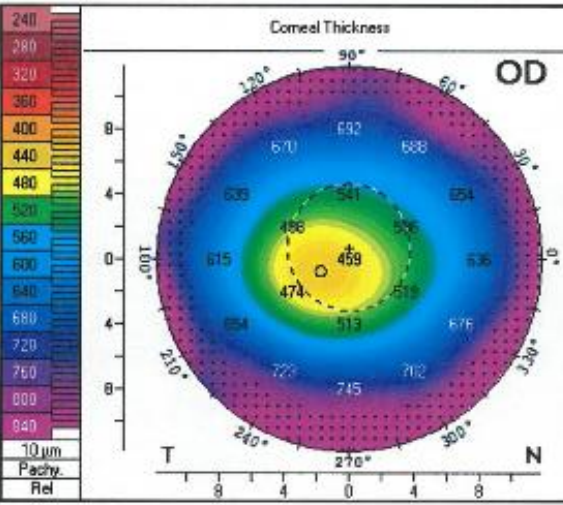
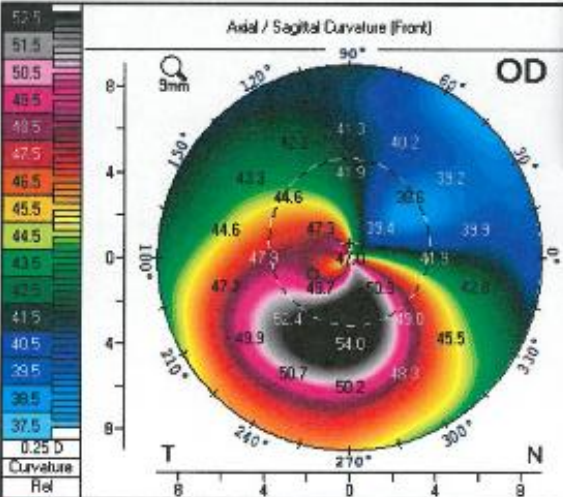
Rs: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmin:

Pupil Center	+ 467 μm	x(mm)	0.00	y(mm)	+0.35
Pachy Apex	- 459 μm	x(mm)	0.00	y(mm)	0.00
Thinnest Locat:	○ 445 μm	x(mm)	-0.85	y(mm)	-0.39
K Max (Front)	54.4 D	x(mm)	-0.13	y(mm)	-1.71
Cornea Volume:	58.0 mm ²	R Cornea:	12.3 mm		
Chamber Volume:	242 mm ³	Angle:	33.5°		
A. C. Depth (Ext.)	4.16 mm	Pupil Dia:	3.63 mm		
Enter IOP (IOP(Sum))	+0.8 mmHg	Lens Th:			



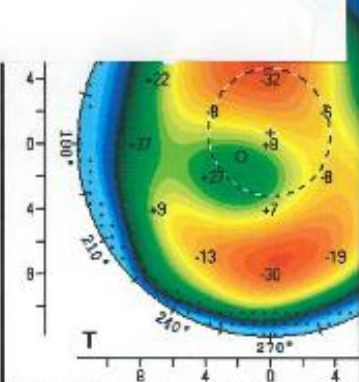
NAME: DAIDA M/F

1/MAR/2019 10:26

<R> PS 7.8 (LAMP-OFF)

<L> PS 7.8 (LAMP-OFF)

NEOYZE S. R. O.



NAME: DAIDA

1/MAR/2019 10:01

VD=12.00mm

<R> S C

Err - 1.25 - 5.75

Err - 1.50 - 5.75

Err - 1.50 - 6.00

Err - 1.75 - 5.75

Err - 1.50 - 6.00

TL - 4.50 SE

TL - 1.50 - 6.00

CL - 1.50 - 5.25

CL - 4.25 SE

<L> S C

+ 0.00 - 2.00

- 0.25 - 2.00

- 0.25 - 2.00

< - 0.25 - 2.00

< - 1.25 SE

TL - 0.25 - 2.00

CL - 0.25 - 1.75

- 1.25 SE

PD 65

[OP (mmHg)]	[R]	[L]
	10 +3	12
	12	11
	9	13
Avg. 10.3		12.0

NEOYZE S. R. O.

OCULUS - PENTACAM 1 Large Color Map

1.2087

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front

Rt: K1:

Rs: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmin:

Cornea Back

Rt: K1:

Rs: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmin:

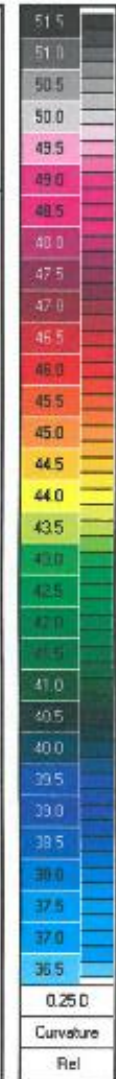
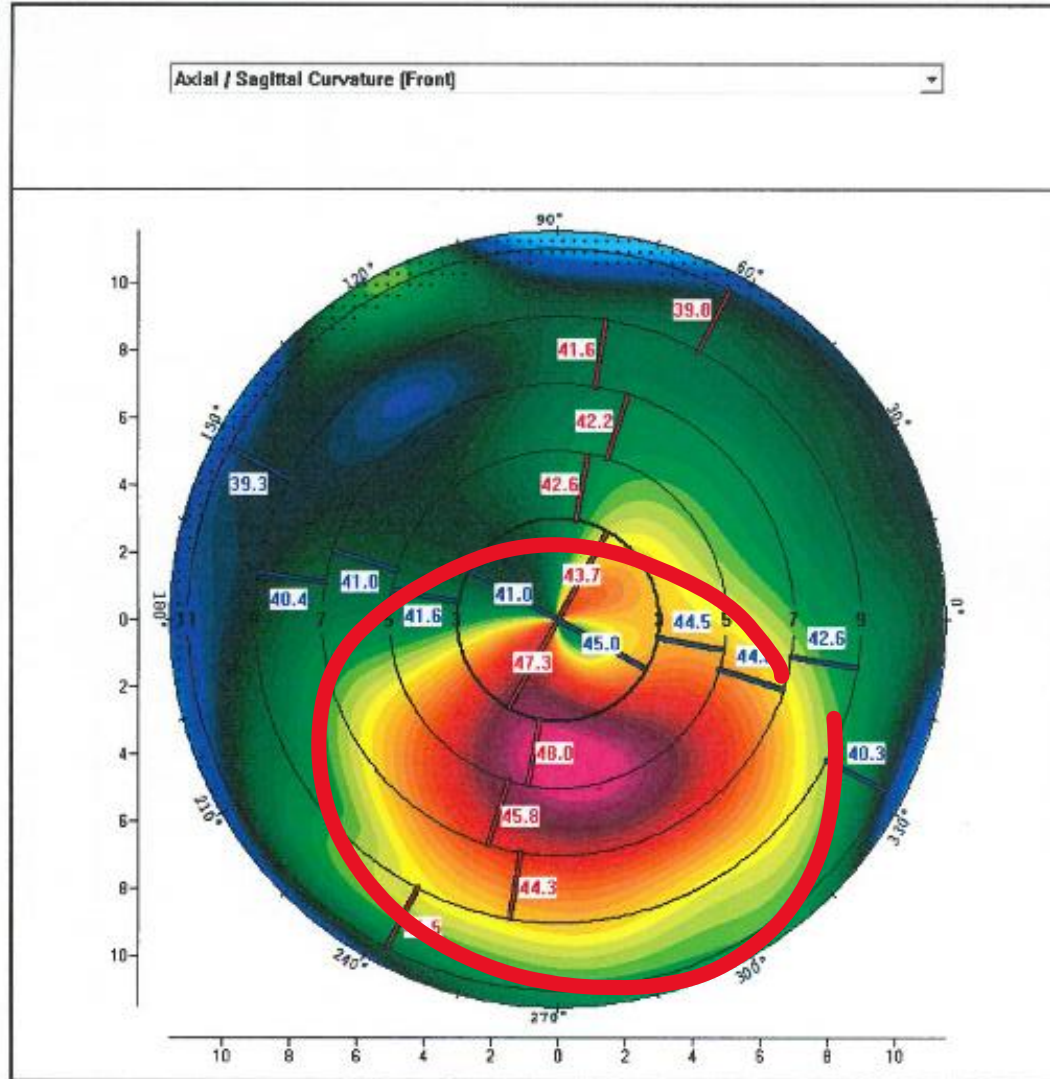
	Pachy:	x(mm)	y(mm)
Pupil Center:	+ 486 μm	+0.05	+0.31
Pachy Apex:	- 479 μm	0.00	0.00
Thinnest Local:	○ 463 μm	+0.90	-0.64
K Max. (Front):	48.6 D	+0.19	-2.18

Cornea Volume: A Cornea:

Chamber Volume: Angle:

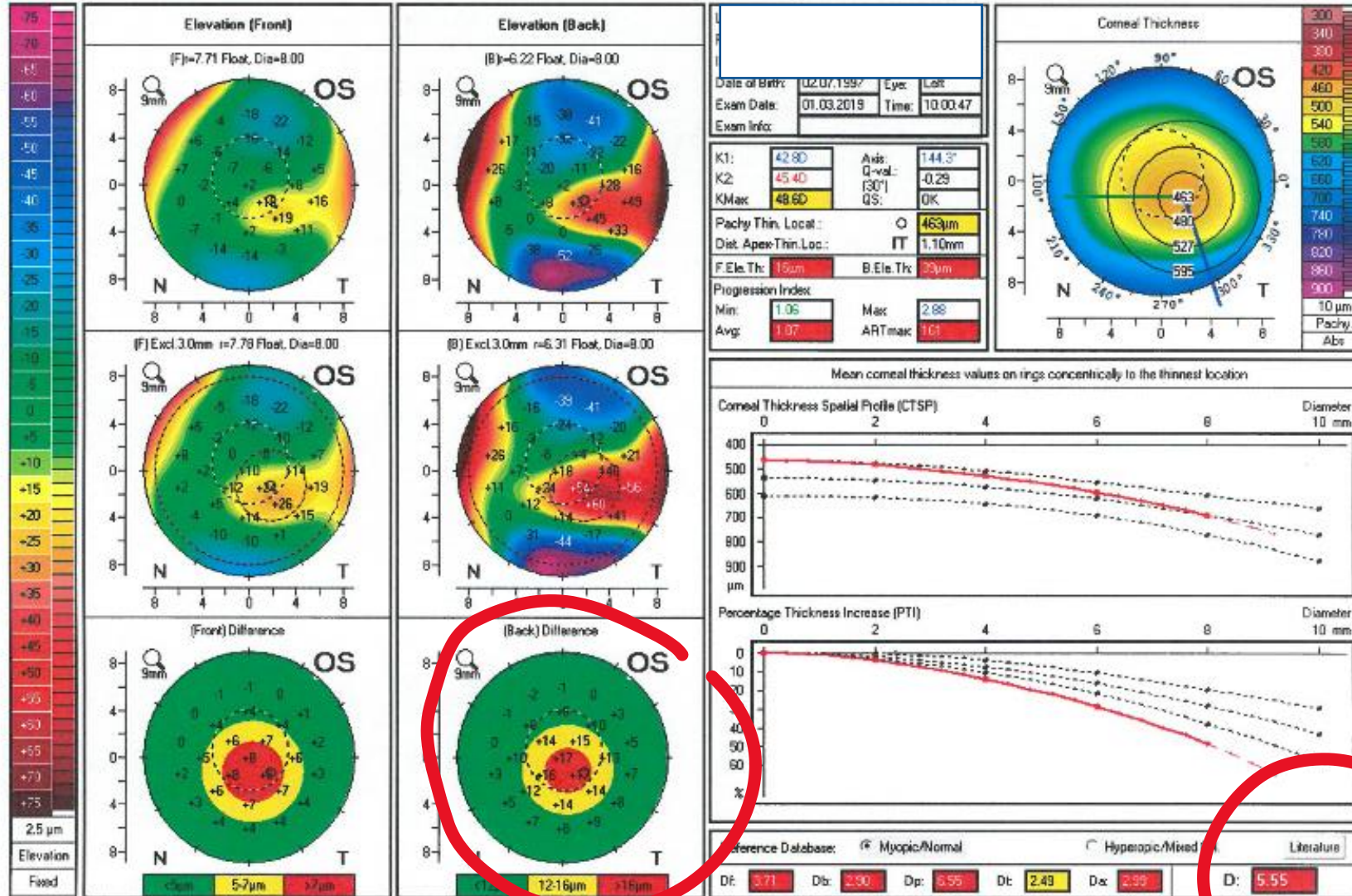
A. C. Depth (Ext.): Pupil Dia:

Enter IOP: IOP(Sum): Lens Th.:



OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia

1.2087



OCULUS - PENTACAM Refractive

1.2087

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Rf: K1: Axis:

Ri: K2: Axis:

Rm: Km: Astig:

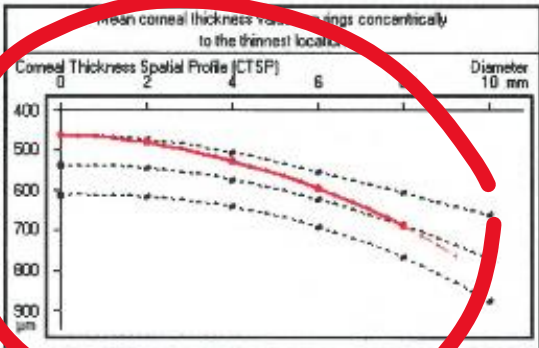
QS: Q-val: Rper: Rmir:

Pupil Center: +

Thinnest Locat: ○

A. C. Depth [Ext]: Pupil Dia:

Angle: Lens Th:



Aspher. (Front) at 30°

ISV: IHA:

IVA: IHD:

KI: RMI:

CKI: TKC:

H: V:

Asphericity (Front) of Major Meridians

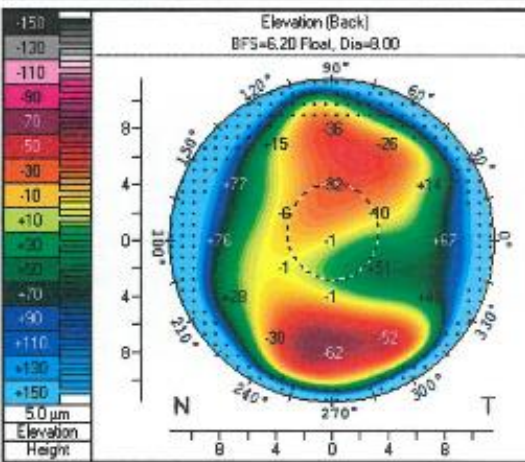
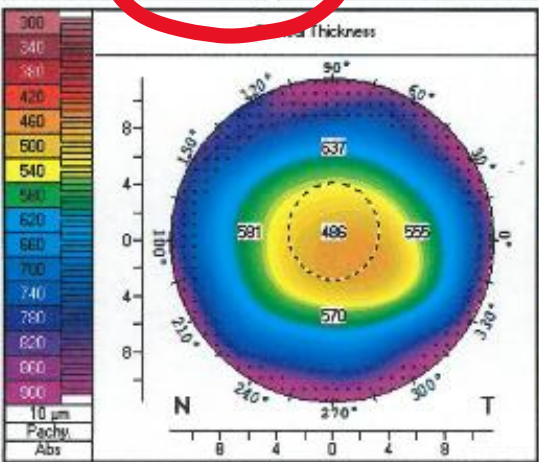
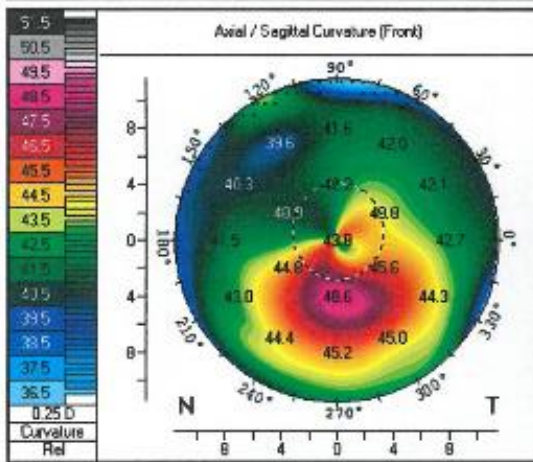
(Q-val)	Degrees peripheral				
	20°	25°	30°	35°	40°
Nas	-0.15	-0.16	-0.14	-0.12	-0.12
Temp	0.31	0.02	-0.18	-0.28	-0.40
Inf	-0.35	-0.46	-0.49	-0.46	-0.53
Sup	-0.44	-0.38	-0.36	0.36	0.31
Mean	-0.16	-0.25	-0.29	0.31	0.34

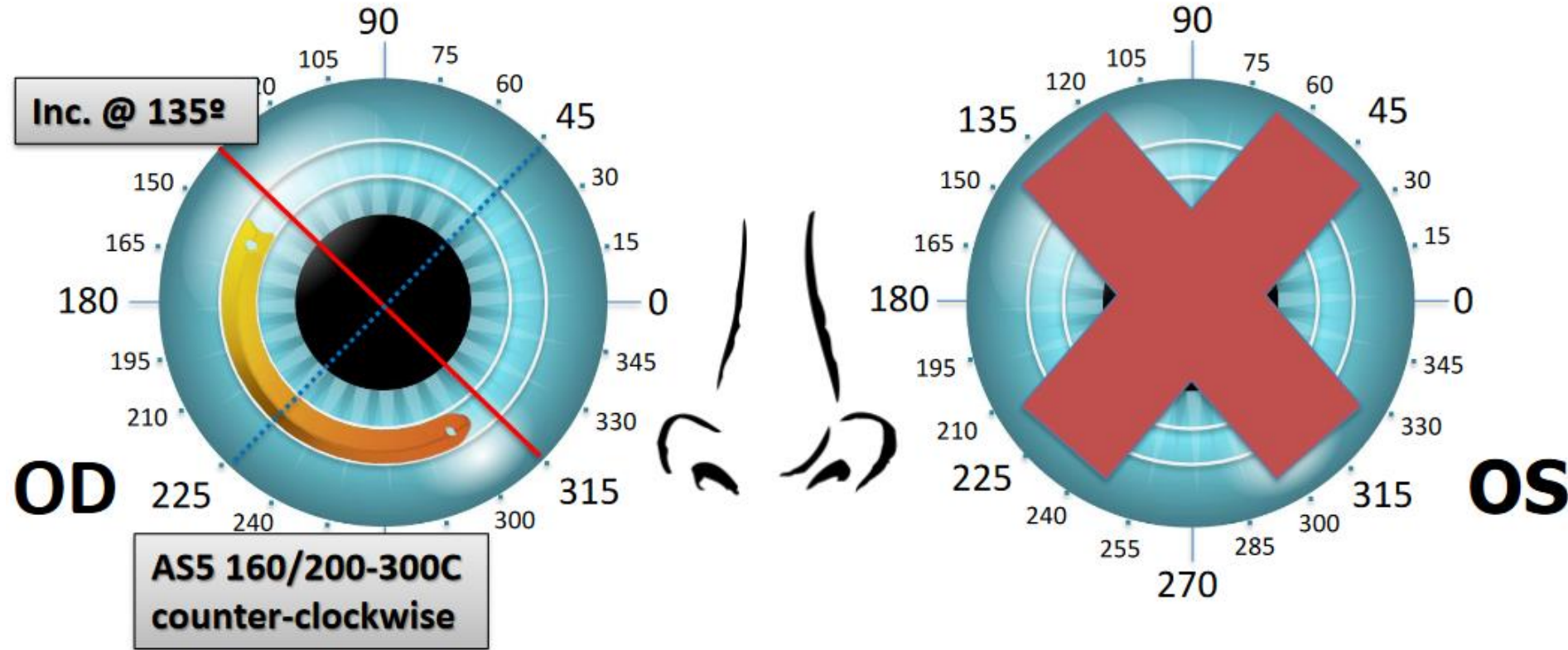
Spot locations in 8mm zone (polar coordinates)

Pupil Center: +

Thinnest Locat: ○

K Max (Front):





Tunnel Internal Diameter: 5.0mm

Tunnel External Diameter: 6.0mm

Incision Axis: 135°

Tunnel Depth: 400µm

Prepared by: MG

Mediphacos provides Keraring surgical plan advice based on information provided by the physician and by applying implant calculation nomograms which are available to the physician. By requesting this service to Mediphacos, the physician understands and agrees that Mediphacos bears no responsibility for the clinical outcome or complications that may result. The physician is solely responsible for selecting eligible patients for the surgical procedure, choice of implant size and position, execution of the procedure, and results obtained. The surgical plan advice provided by Mediphacos should be considered as a general guideline only, and must be reviewed and altered as per the physician's discretion.

Kazuistika 5

Odesl. lékař: muž Dr. Prokhorov Povolání: Podstřední cvičitel Věk: 25

Brýle nosí od: 3 Zátěž zraku: M řízení v noci LCD jiné NEJEDNĚ BRÝLE

Brýle <input checked="" type="checkbox"/> ne	KČ nosí: <u>M</u> let	Oční anam: <input type="checkbox"/> halo	<input type="checkbox"/> glare	<input type="checkbox"/> suchost
<input type="checkbox"/> 100% <input type="checkbox"/> dálka	<input type="checkbox"/> žádné <input type="checkbox"/> torické <input type="checkbox"/> Hard	<input type="checkbox"/> glaukom	0 1 2 3 4	0 1 2 3 4
<input type="checkbox"/> 50% <input type="checkbox"/> blízko	<input checked="" type="checkbox"/> měkké <input type="checkbox"/> RGP <input type="checkbox"/> RGP	<input checked="" type="checkbox"/> šilhání <u>N</u>		
<input type="checkbox"/> 10% <input type="checkbox"/> bifokal	<input type="checkbox"/> denně <input type="checkbox"/> 50% <input type="checkbox"/> 10%	<input type="checkbox"/> amblyopie	<input type="checkbox"/> úraz očí <u>✓</u>	<input type="checkbox"/> keratokon <u>✓</u>
<input type="checkbox"/> multifok	naposledy před: <u>4</u> <u>0</u> d t / m / r	<input type="checkbox"/> oční záněty	<input type="checkbox"/> operace očí	<input type="checkbox"/> herpes očí
Preference pooperační: Dálka ___ % PC ___ % Blízko ___ %		<input type="checkbox"/> oční Th <u>W</u>		

NOH'FOUDE
MLO

Alergie: ✓ Celk.stav: DM ✓ epilepsie ✓ gravidita
 Hepatitida ✓ Kojení

V	OP	UCVA:	OL	UCVA:
S vl. kor.:	Sf <u>+3.0</u>	0.9	Sf <u>+2.5</u>	0.7
AR:	<u>+3.00</u> = <u>0.75</u> Ax <u>157</u> BCVA		<u>+2.25</u> = <u>1.50</u> Ax <u>170</u> BCVA	
Manifest:	<u>+2.75</u> = <u>-0.75</u> Ax <u>150</u> <u>1.21-0.1</u>		<u>+2.25</u> = <u>-1.5</u> Ax <u>171</u> <u>1.21-1</u>	
V blízko:	add: <u>0.1</u> Jč(nat) <u>0.1</u> Jč(mnf) <u>0.1</u> Jč(add)		add: <u>0.1</u> Jč(nat) <u>0.1</u> Jč(mnf) <u>0.1</u> Jč(add)	
AR cyklo:	<u>+3.50</u> = <u>0.45</u> Ax <u>154</u> NT: <u>16.3</u>		<u>+2.75</u> = <u>1.57</u> Ax <u>170</u> NT: <u>17.3</u>	
Manif cyl:	<u>+3.0</u> = <u>-0.75</u> Ax <u>153</u> <u>1.0</u>		<u>+2.75</u> = <u>-1.5</u> Ax <u>173</u> <u>1.0</u>	

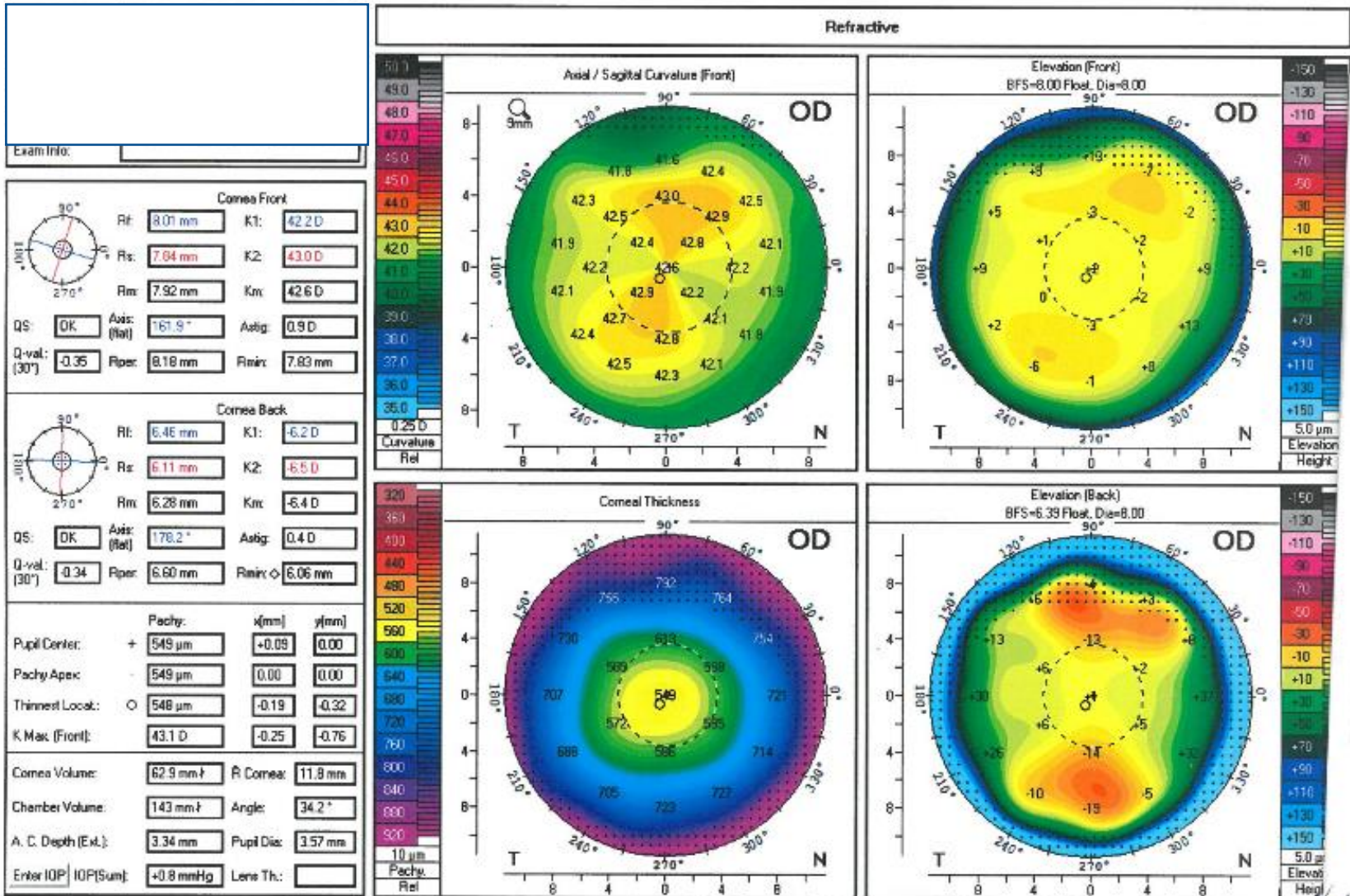
Pachy:	centrální	ablace 6.5 mm	Ø zornice	= C-A-120µ
	<u>549</u>	<u>6.5</u>	<u>5.50</u>	<u>365</u>
Kerato:	Min K	Min ax	Max K	Max ax
	<u>42.50</u>	<u>76.4</u>	<u>43.00</u>	<u>74</u>

NOT: 19.10 Schirm: 20 BUT: 11.9 NOT: 19.7 Schirm: 22 BUT: 11.9
 Dominance: OP OL KT: ECOP0216 WS: WS Schober: F42506, DRT10
 KS: PL42 Motilita: VX22 Stereo: KB21

OP Plán Diskutováno Pl. 6.10

OCULUS - PENTACAM 4 Maps Refractive

1.2087



OCULUS - PENTACAM 1 Large Color Map

12087

Last Name:

First Name:

ID:

Date of Birth:

Exam Date:

Exam Info:

Cornea Front

Rt: K1:

Rr: K2:

Rm: Km:

QS: Axis (flat): Astig:

Q-val: Rper: Rmin:

Cornea Back

Rt: K1:

Rr: K2:

Rm: Km:

QS: Axis (flat): Astig:

Q-val: Rper: Rmin:

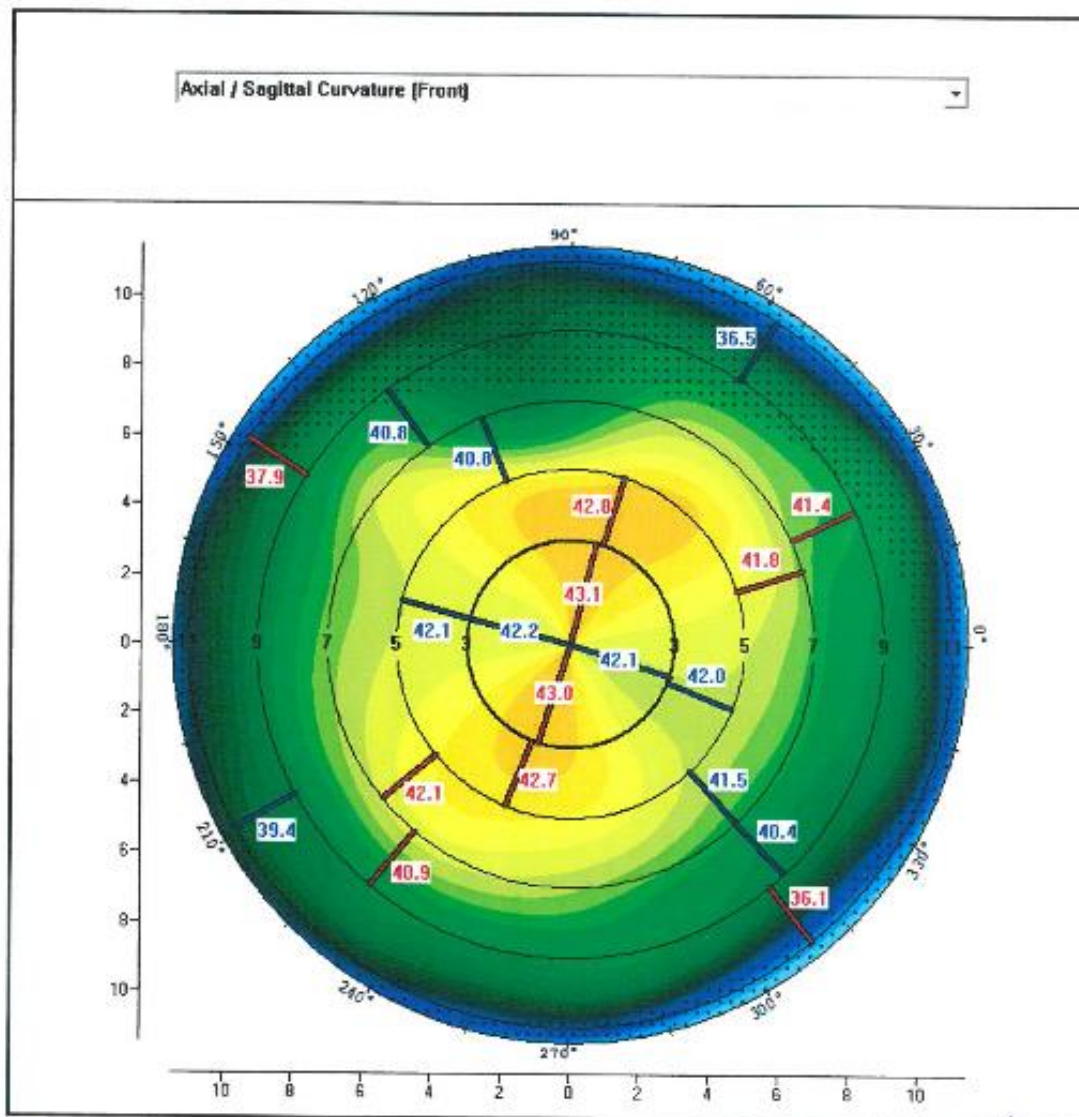
	Pachy:	x(mm)	y(mm)
Pupil Center:	+ <input type="text" value="549 μm"/>	<input type="text" value="-0.09"/>	<input type="text" value="0.00"/>
Pachy Apex:	- <input type="text" value="549 μm"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
Thinnest Local:	○ <input type="text" value="548 μm"/>	<input type="text" value="-0.19"/>	<input type="text" value="-0.32"/>
K Max (Front):	<input type="text" value="43.1 D"/>	<input type="text" value="-0.25"/>	<input type="text" value="-0.76"/>

Cornea Volume: R Cornea:

Chamber Volume: Angle:

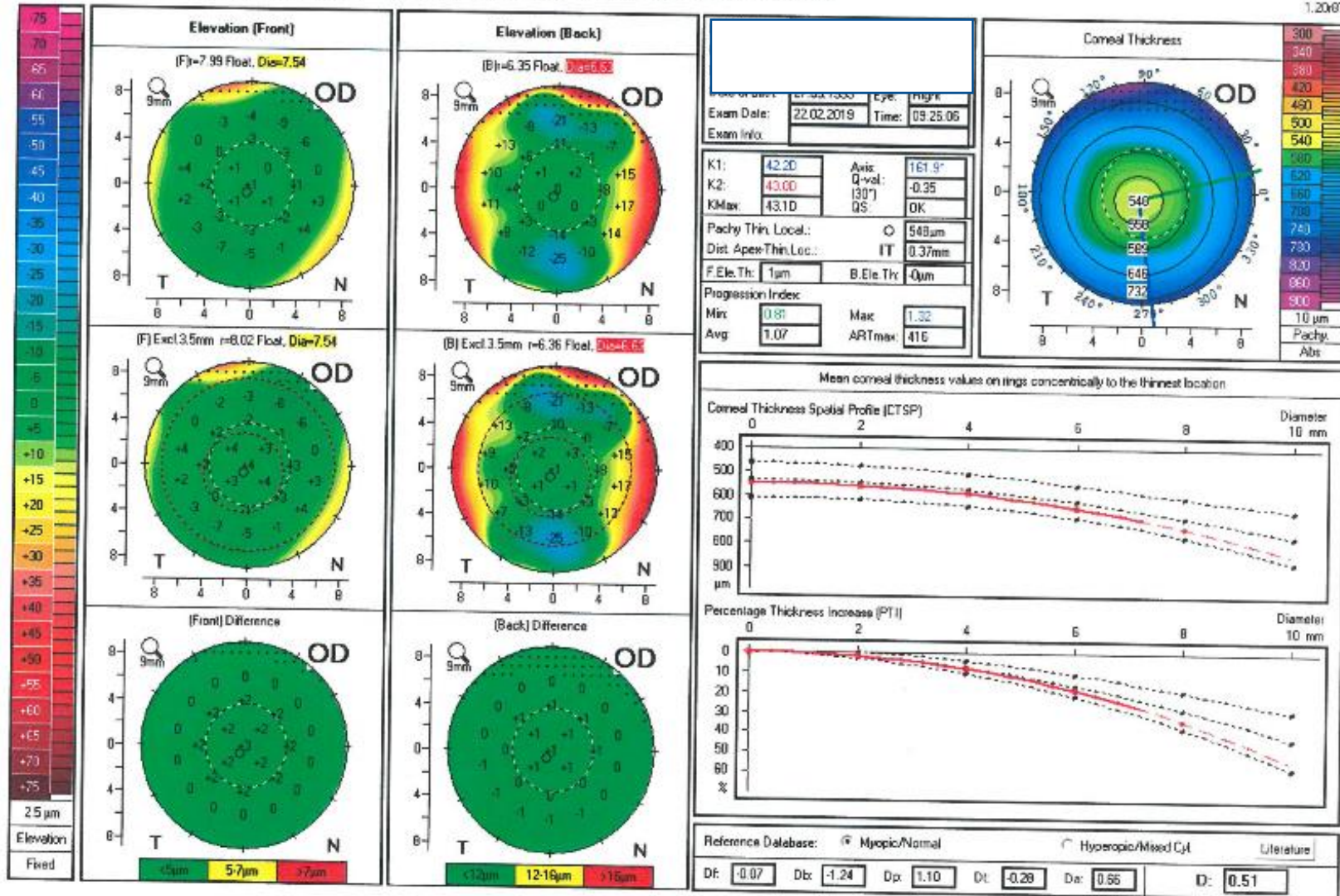
A. C. Depth (Ext): Pupil Dia:

Enter IOP: IOP(Sum): Lens Th.:



OCULUS - PENTACAM Belin / .mbrósio Enhanced Ectasia

1.20x67



OCULUS - PENTACAM 4 Maps .Refractive

12087

Last Name:

First Name:

ID:

Date of Birth:

Exam Date: 22.02.2019 Time: 09:25:30

Exam Info:

Cornea Front

R1: 7.98 mm K1: 42.3 D

R2: 7.66 mm K2: 44.1 D

Rm: 7.82 mm Km: 43.2 D

Q5: DK Axis: (flat) 173.8° Astig: 1.8 D

Q-val: (30°) -0.39 Rper: 8.12 mm Rmir: 7.56 mm

Cornea Back

R1: 6.43 mm K1: -6.2 D

R2: 5.87 mm K2: -5.8 D

Rm: 6.15 mm Km: -6.5 D

Q5: DK Axis: (flat) 172.0° Astig: 0.6 D

Q-val: (30°) -0.33 Rper: 6.57 mm Rmir: 5.79 mm

Pupil Center: + 558 μm x(mm) -0.05 y(mm) +0.09

Pachy Apex: - 558 μm 0.00 0.00

Thinnest Locat.: O 558 μm +0.05 -0.12

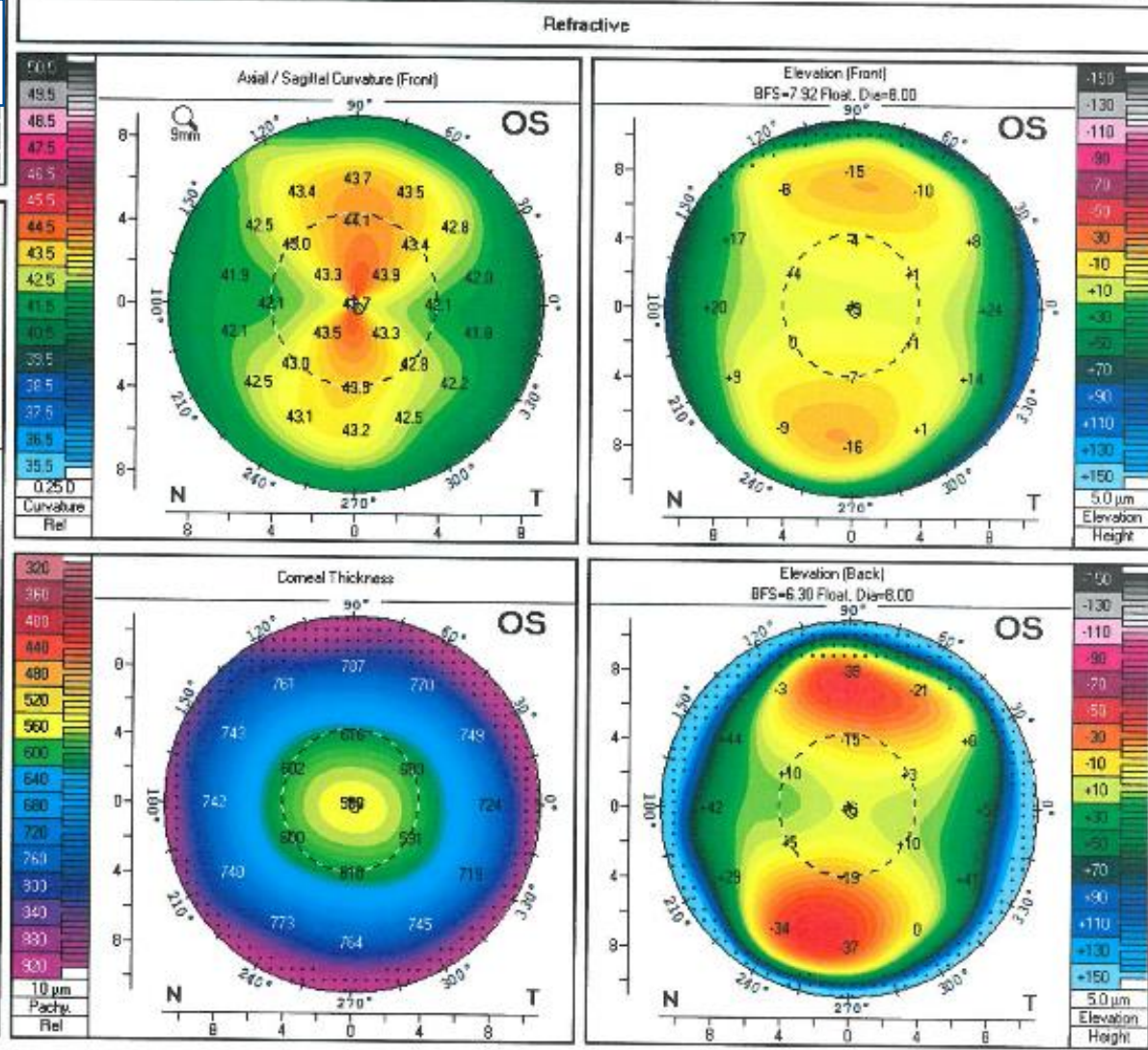
K Max. (Front): 44.7 D +0.05 +0.30

Cornea Volume: 64.8 mm³ R Cornea: 11.8 mm

Chamber Volume: 148 mm³ Angle: 31.8°

A. C. Depth (Ext.): 3.40 mm Pupil Dia: 4.05 mm

Enter IOP IOP(Sum): +0.4 mmHg Lens Th.:



OCULUS - PENTACAM 1 Large Color Map

Last Name:

First Name:

ID:

Date of Birth:

Exam Date: 22.02.2019 Time: 09:29:30

Exam Info:

Cornea Front

Rf: 7.90 mm K1: 42.3 D

Rs: 7.66 mm K2: 44.1 D

Rm: 7.82 mm Km: 43.2 D

Q5: OK Axis (flat): 173.9° Astig: 1.8 D

Q-val: (30°) -0.33 Rper: 8.12 mm Rmin: 7.56 mm

Cornea Back

Rf: 6.43 mm K1: -5.2 D

Rs: 5.07 mm K2: -6.8 D

Rm: 6.15 mm Km: -6.5 D

Q5: OK Axis (flat): 172.0° Astig: 0.6 D

Q-val: (30°) -0.33 Rper: 6.57 mm Rmin: 5.79 mm

	Pachy:	x(mm)	y(mm)
Pupil Center:	+ 558 μm	-0.05	+0.09
Pachy Apex:	- 558 μm	0.00	0.00
Thinnest Locat:	○ 558 μm	+0.06	-0.12
K Max (Front):	44.7 D	+0.06	+0.30

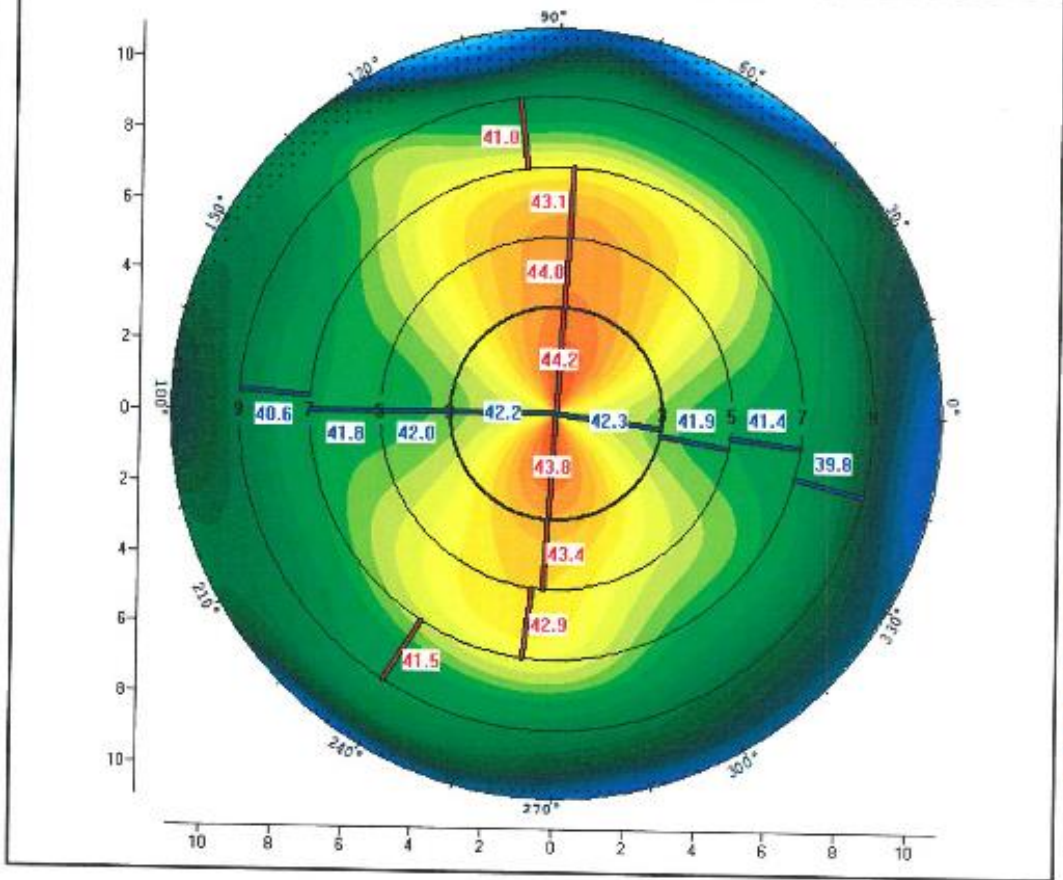
Cornea Volume: 64.8 mm³ R Cornea: 11.8 mm

Chamber Volume: 148 mm³ Angle: 31.8°

A. C. Depth (Ext.): 3.40 mm Pupil Dia: 4.05 mm

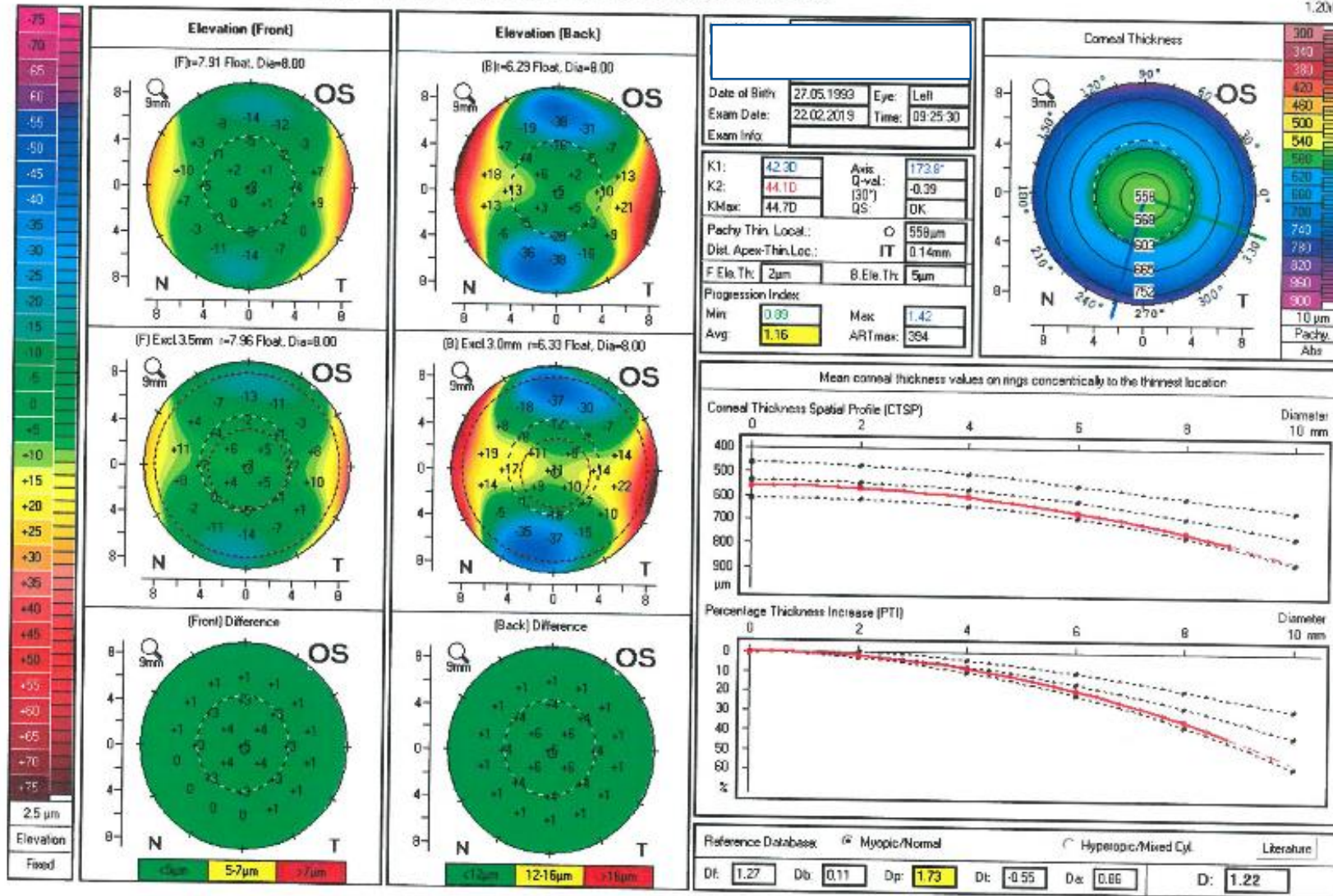
Enter IOP IOP(Sum): +0.4 mmHg Lens Th:

Axel / Sagittal Curvature (Front)



OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia

1.2087



Refrakční pacient

RA: neg

SA: obchodní zástupce

OA: s ničím se neléčí, bez trvalé medikace, revmatické onemocnění neuguje. Atopik není.

KČ nosí, naposledy před 4 dny

A: brýle od 3 let, operace, úrazy či chron. onemocnění očí neuvádí. V dětství šilhal na levé oko, nosil okluzi. Vada je v posledních letech stálá. Barvocit neprušen, šeroslepost neuvádí.

Vnat ODS: 0,9/0,7

V nat. blízko 0,8/1,0

VI korekce: Kč air optix

OD: +3,0

OS: +2,5 cyl -1,25 ax 170

Subj. ref:

OD: +2,75cyl -0,75ax .150..... 1,2-- RG: R

OS: +2,25cyl -1,5ax 171.....1,2- RG: R

V blízko s Add: 0,8/1,0

Dominance: OS

AŠ: 6,6 D

KT: esoforie KS: konvergence plynulá Motilita: volná

Worth: 4 Schober: fúze OK, ortho Stereopse: není

Amsler: negativní

Barvocit: neporušen

Graf kontrastní citlivosti přiložen v papírové dokumentaci.

Schirmerův test: 20/22

NT ODS: 19,0/19,7 mmHg

Pachymetrie 549/ 558, Belin Ambrosio neg

RST 365/370um

Perimetr ODS: bez defektů

ODS: zevně klidné, přední segment intaktní, opt. media čirá

F ODS: fyziolog. nález odpov. věku, dole v periferii benigní degenerace

Dg ODS: Hypermetropia cum astigmatismo

Operace: NeoLasik HD nebo Femtolasik ODS (pacient se rozhodne)

Cílová refrakce: emetropie

Kazuistika 6

Odesl. lékař: _____ Povolání: **KVALITA 10 TRAVNÁ** Věk: **35**

Brýle nosí od: **15-11** Zátěž zraku: řízení v noci LCD jiné

Brýle <input type="checkbox"/> ne	KČ nosí: <input checked="" type="checkbox"/> let
<input checked="" type="checkbox"/> 100% <input checked="" type="checkbox"/> dálka	<input type="checkbox"/> žádně <input type="checkbox"/> torické <input type="checkbox"/> Hard
<input type="checkbox"/> 50% <input type="checkbox"/> blízko	<input type="checkbox"/> měkké <input type="checkbox"/> RGP <input type="checkbox"/> RGP
<input type="checkbox"/> 10% <input type="checkbox"/> bifokal	<input type="checkbox"/> denně <input type="checkbox"/> 50% <input type="checkbox"/> 10%
<input type="checkbox"/> multifok	naposledy před: _____ d / t / m / r

Oční anam: <input checked="" type="checkbox"/> halo	<input type="checkbox"/> glare	<input type="checkbox"/> suchost
<input checked="" type="checkbox"/> glaukom	0 1 2 3 4	0 1 2 3 4
<input checked="" type="checkbox"/> síňhání		
<input type="checkbox"/> amblyopie	<input type="checkbox"/> úraz očí	<input type="checkbox"/> keratokon
<input type="checkbox"/> oční záněty		operace očí
<input type="checkbox"/> oční Th		herpes očí

**GLAUKOM
KATARAKTA
BARIČEK**

Preference pooperační: Dálka _____ % PC _____ % Blízko _____ %

Alergie: **PLNÁ TRAVNÁ**

Celk.stav: DM epilepsie gravidita

Th. celk.: _____

Hepatitida Kojení

V	OP	UCVA:	BCVA
S vl. kor.:	Sf = 4,0	Cyl = 0,15	Ax 41
AR:	= 4,25	= 0,25	24
Manifest:	= 4,25	= 0,25	27
V blízko:	add: _____	Jč(nat) 1,0	Jč(mnf) 1,0
AR cyklo:	= 4,00	= 1,00	33
Manif cyl:	- 4,0	- 1,0	30

OL	UCVA:	BCVA
Sf = 3,75	Cyl = 0,25	Ax 98
= 4,25	= 0,10	0
= 4,5	-	-
add: _____	Jč(nat) 1,0	Jč(mnf) 1,0
= 4,25	= 0,00	0
- 4,5	-	-

Pachy:	centrální 333	ablace 6,5 mm 25	Ø zornice 325
Kerato:	Min K 41,95	Min ax 14	Max K 43,20
			Max ax 104

Pachy:	centrální 333	ablace 6,5 mm 29	Ø zornice 354
Kerato:	Min K 41,95	Min ax 16,4	Max K 44,00
			Max ax 44

NOT: **13,5** Schirm: **10** BUT: _____ WtW: **12,4** NOT: **14,5** Schirm: **10** BUT: _____ WtW: **11,7**

Dominance: OP OL KT: **ORTHO** WS: **44** Schober: **F4 20 06, ORTHO**

KS: **PLK** Motilita: **VOČNA** Stereo: **PLK** As: **660**

OCULUS - PENTACAM 4 Maps .Refractive

Last Name:

First Name:

ID:

Date of Birth:

Exam Date:

Exam Info:

Cornea Front

RI: K1:

Rk: K2:

Rm: Km:

QS: Axis: (Flat) Astig:

Q-val: (30°) Rper: Rmir:

Cornea Back

RI: K1:

Rk: K2:

Rm: Km:

QS: Axis: (Flat) Astig:

Q-val: (30°) Rper: Rmir:

Pupil Center: + x(mm) y(mm)

Pachy Apex: -

Thinnest Locat.: O

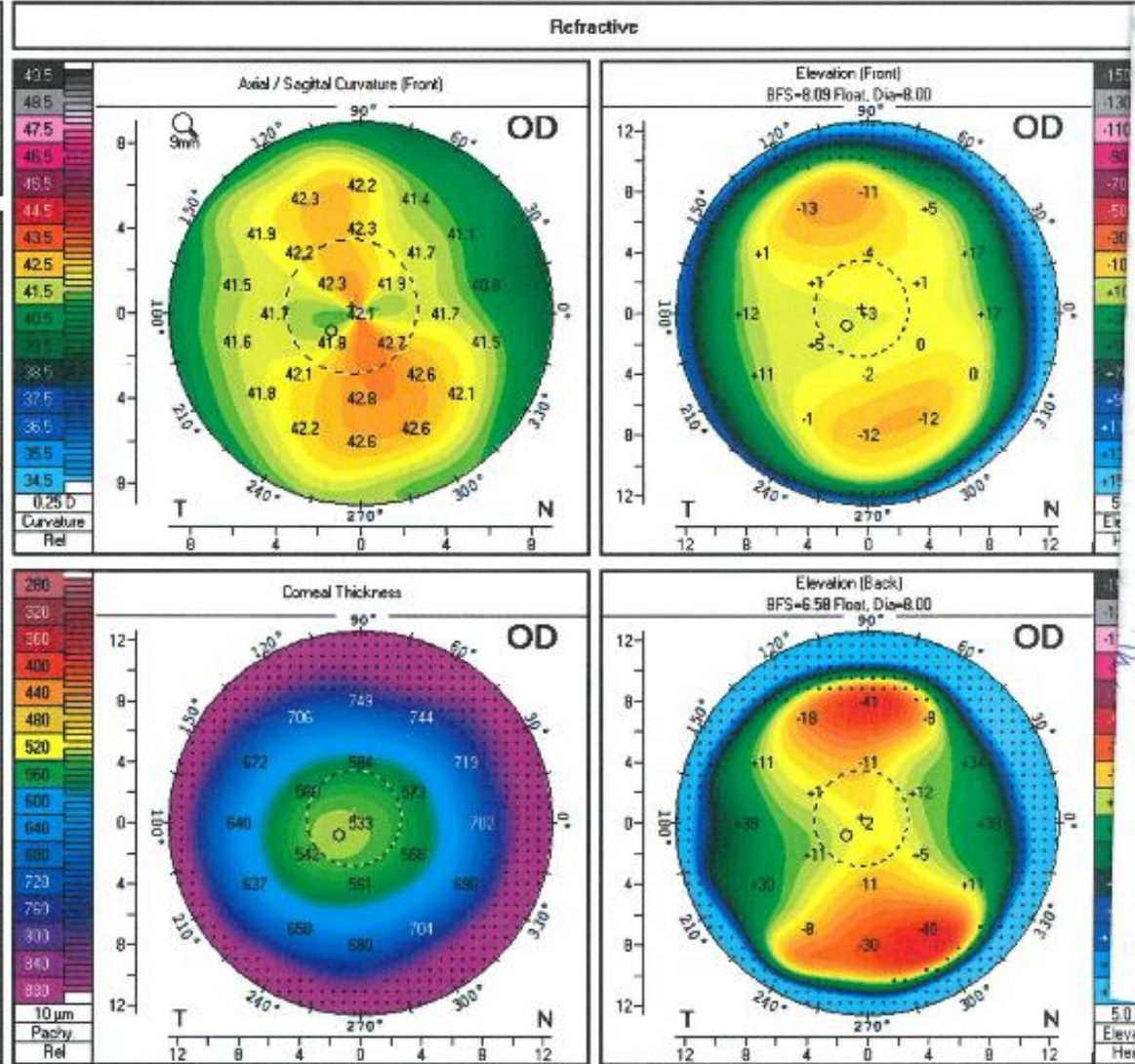
K Max. (Front):

Cornea Volume: R Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP | IOP(Sum): Lens Th:



OCULUS - PENTACAM 1 Large Color Map

Last Name:

First Name:

ID:

Date of Birth:

Exam Date:

Exam Info:

Cornea Front

RF: K1:

Rz: K2:

Rm: Km:

QS: Axis (Rel): Astig:

Q-val: Rper: Rmir:

Cornea Back

RF: K1:

Rz: K2:

Rm: Km:

QS: Axis (Rel): Astig:

Q-val: Rper: Rmir:

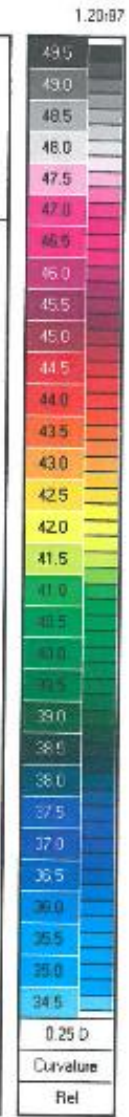
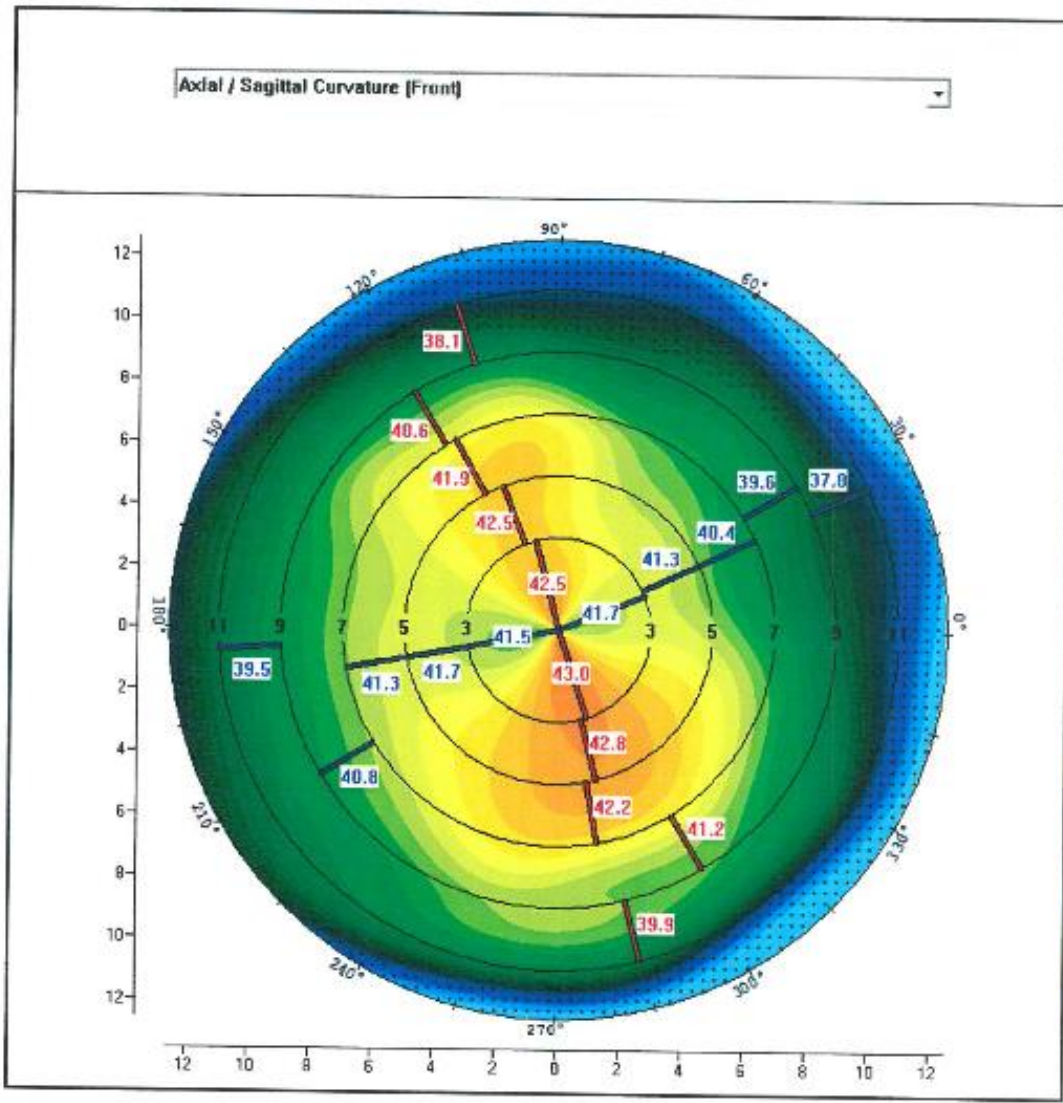
	Pachy	x(mm)	y(mm)
Pupil Center:	+ <input type="text" value="533 μm"/>	<input type="text" value="-0.23"/>	<input type="text" value="+0.16"/>
Pachy Apex:	- <input type="text" value="533 μm"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
Thinnest Locat:	○ <input type="text" value="528 μm"/>	<input type="text" value="-0.70"/>	<input type="text" value="-0.42"/>
K Max (Front):	<input type="text" value="43.1 D"/>	<input type="text" value="+0.14"/>	<input type="text" value="-0.56"/>

Cornea Volume: A Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext): Pupil Dia:

Enter IOP: IDP(Sum): Lens Th.:



OCULUS - PENTACAM Refractive

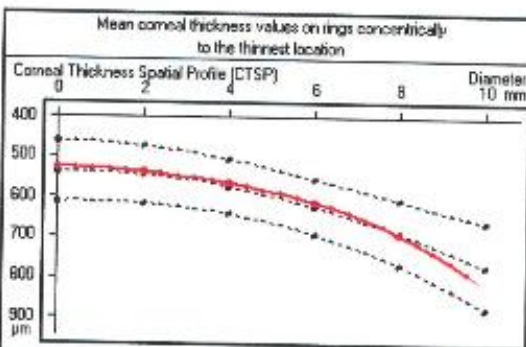
1.2067

Last Name:
 First Name:
 ID:
 Date of Birth:
 Exam Date: Time:



Rf: K1: Axis:
 Ri: K2: Axis:
 Rm: Km: Astig:
 Qs: Q-val (30°): Rper: Rmir:

Pupil Center: + x(mm): y(mm):
 Thinnest Local: ○ x(mm): y(mm):
 A. C. Depth (Ext.): Pupil Dia:
 Angle: Lens Th:

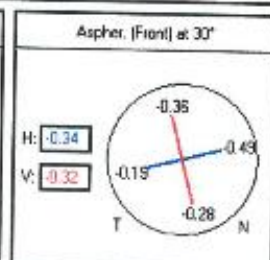


Asphericity (Front) of Major Meridians

(Q-val)	Degrees peripheral				
	20°	25°	30°	35°	40°
Nias	-0.46	-0.50	-0.48	-0.52	-0.59
Temp	-0.04	-0.14	-0.19	-0.24	-0.28
Inf	-0.18	-0.26	-0.28	-0.30	-0.53
Sup	-0.10	-0.21	-0.36	-0.52	-0.71
Mean	-0.20	-0.20	-0.33	-0.39	-0.53

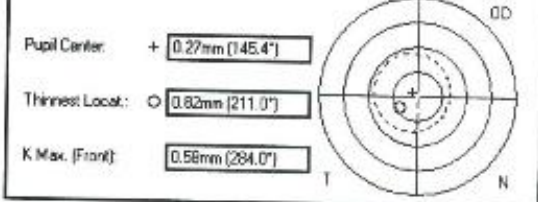
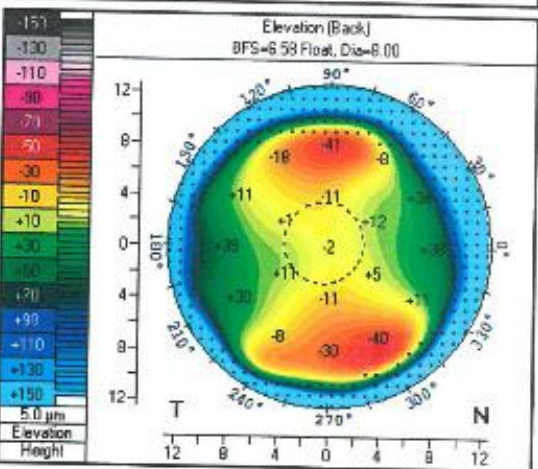
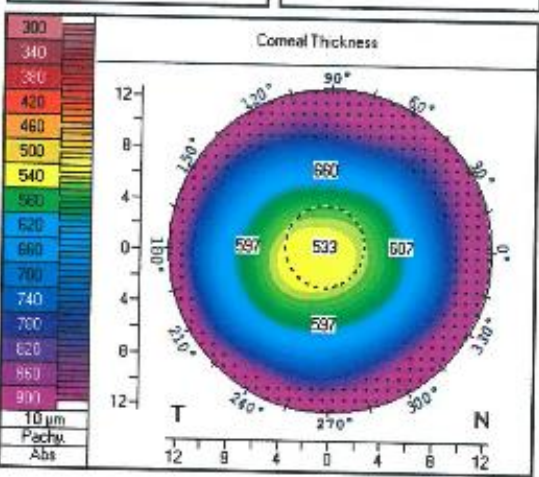
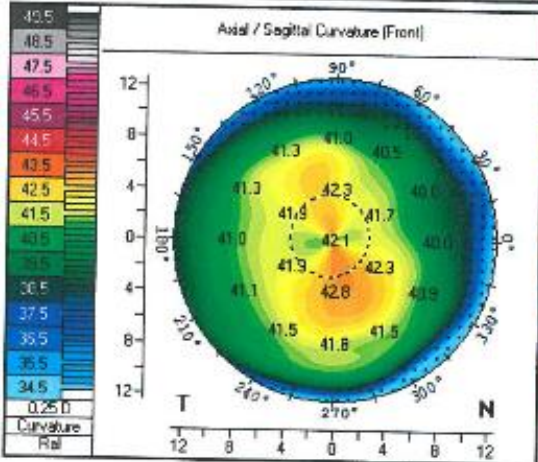
Indices (in 8mm zone)

ISV: IHA:
 IVA: IHD:
 KI: RMI:
 CKI: TKC:



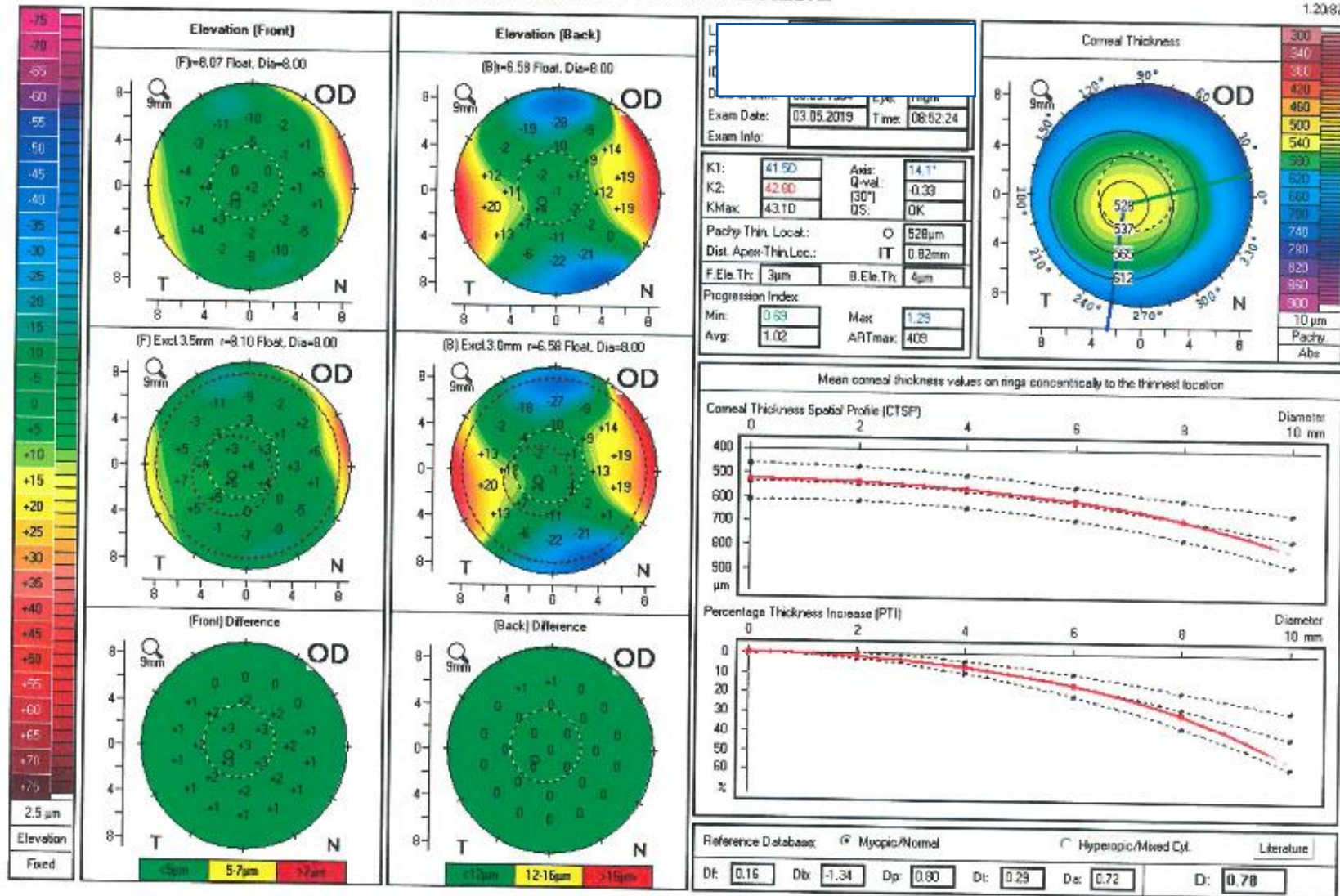
Spot locations in 8mm zone (polar coordinates)

Pupil Center: +
 Thinnest Local: ○
 K Max. (Front):

OCULUS - PENTACAM Belin / .mbrósio Enhanced Ectasia

1.2087



OCULUS - PENTACAM 4 Maps Refractive

1.20.07

Last Name:

First Name:

ID:

Date of Birth:

Exam Date:

Exam Info:

Refractive

Cornea Front

Rf: 8.13 mm K1: 41.5 D

Ri: 8.00 mm K2: 42.2 D

Rm: 8.07 mm Km: 41.8 D

QS: OK Axis (flat): 168.8° Astig: 0.7 D

Q-val: (30°) -0.36 Rper: 8.34 mm Rmin: 7.96 mm

Cornea Back

Rf: 6.84 mm K1: -5.8 D

Ri: 6.51 mm K2: -6.1 D

Rm: 6.67 mm Km: -6.0 D

QS: OK Axis (flat): 167.9° Astig: 0.3 D

Q-val: (30°) 0.02 Rper: 6.74 mm Rmin: 6.37 mm

Pupil Center: + 563 μm x(mm) +0.18 y(mm) +0.11

Pachy Apex: - 552 μm 0.00 0.00

Thinnest Local: ○ 545 μm -0.14 -0.61

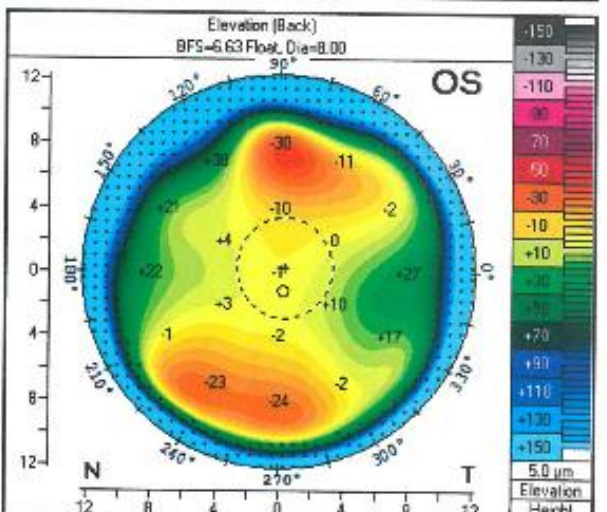
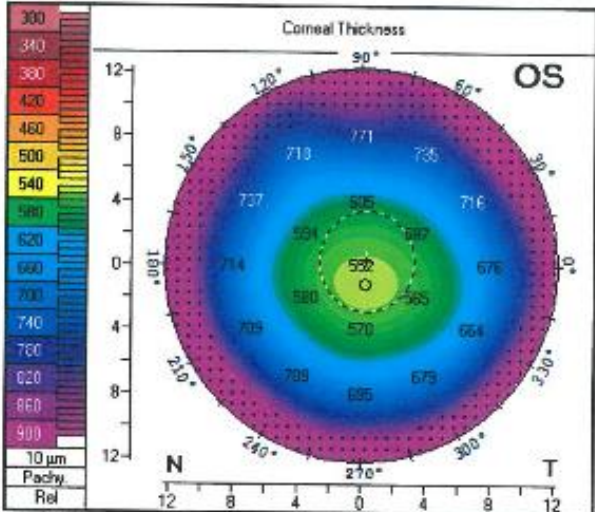
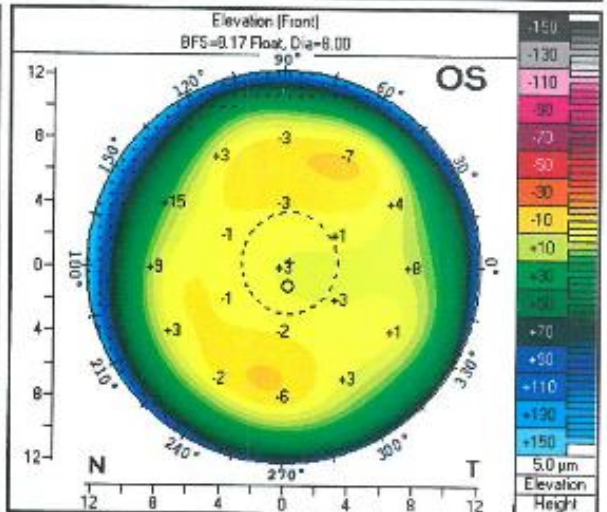
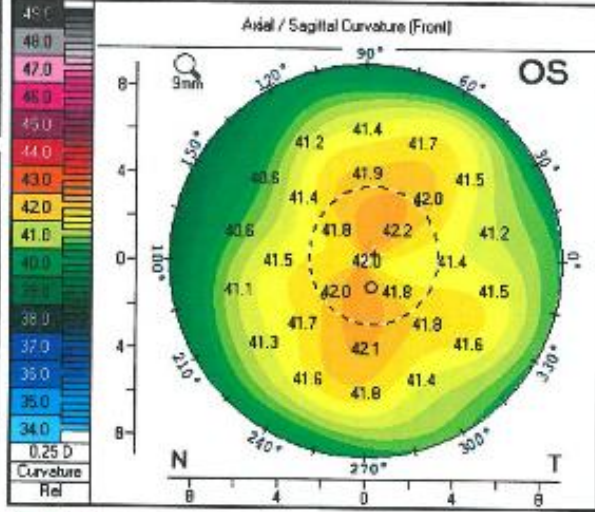
K Max. (Front): 42.4 D +0.07 +0.20

Cornea Volume: 61.3 mm³ A Cornea: 12.7 mm

Chamber Volume: 229 mm³ Angle: 42.8°

A. C. Depth (Ext.): 3.99 mm Pupil Dia: 3.05 mm

Enter IOP | IOP(Sum): -1.0 mmHg Lens Th:



OCULUS - PENTACAM 1 Large Color Map

1.2007

Last Name:

First Name:

ID:

Date of Birth:

Exam Date:

Exam Info:

Cornea Front

Rt: K1:

Rc: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmin:

Cornea Back

Rt: K1:

Rc: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmin:

Pupil Center: + Pachy: x[mm]: y[mm]:

Pachy Apex: - Pachy: x[mm]: y[mm]:

Thinnest Local: ○ Pachy: x[mm]: y[mm]:

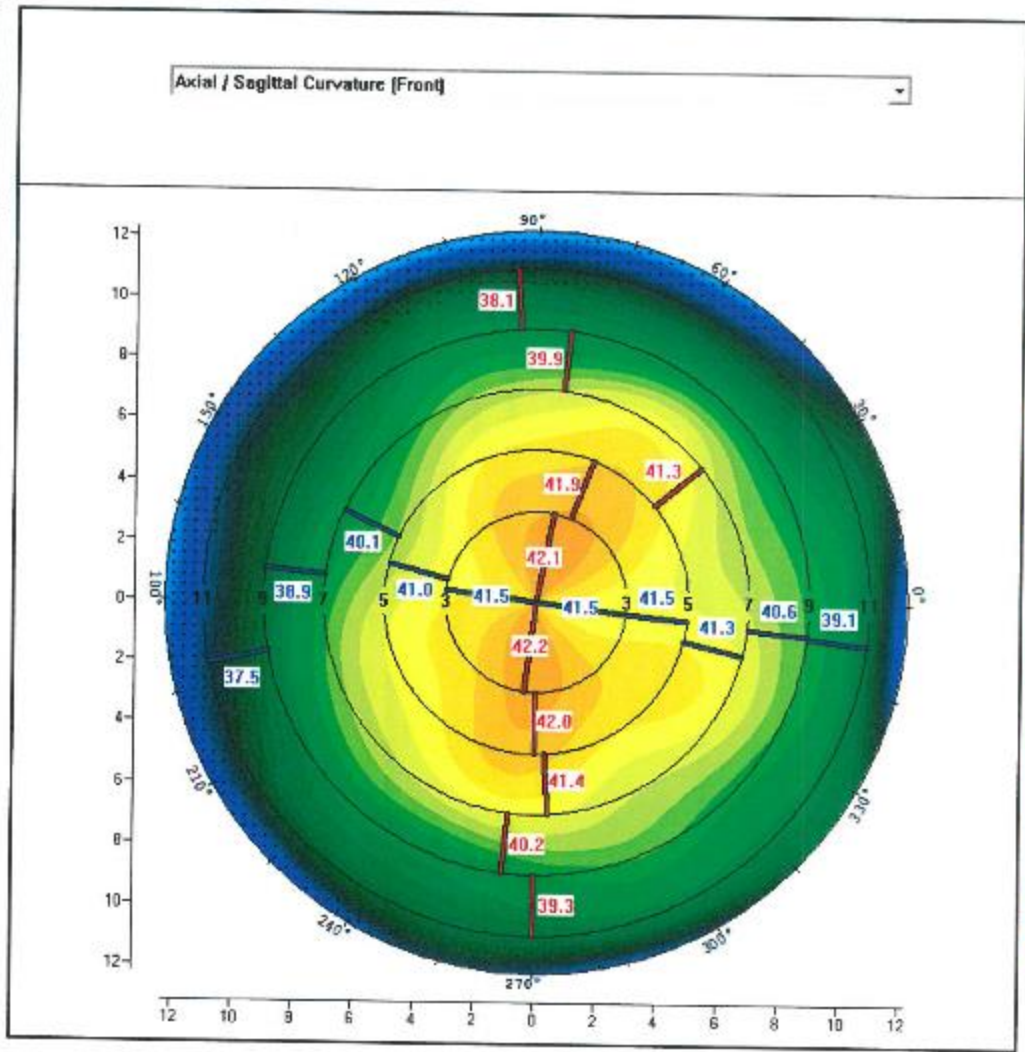
K Max (Front): x[mm]: y[mm]:

Cornea Volume: A Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP | IOP(Sum): Lens Th:



OCULUS - PENTACAM Refractive

1.2087


Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:



RF: K1: Axis:

Rx: K2: Axis:

Rrc: Krc: Astig:

QS: Q-val: Pper: Rmin:

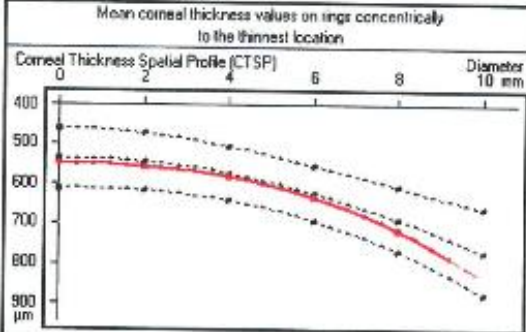
Pachy:

Pupil Center: +

Thinnest Locat.: O

A. C. Depth (Ext.): Pupil Dia:

Angle: Lens Th:

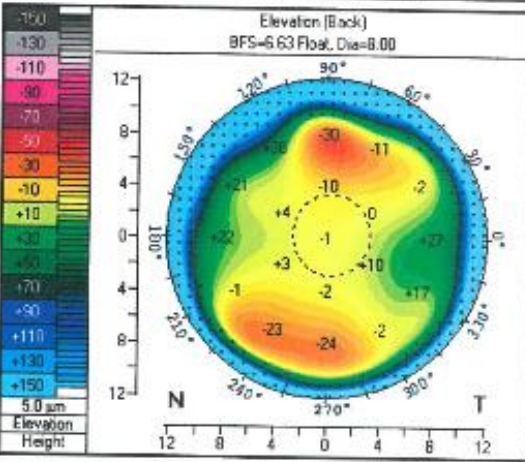
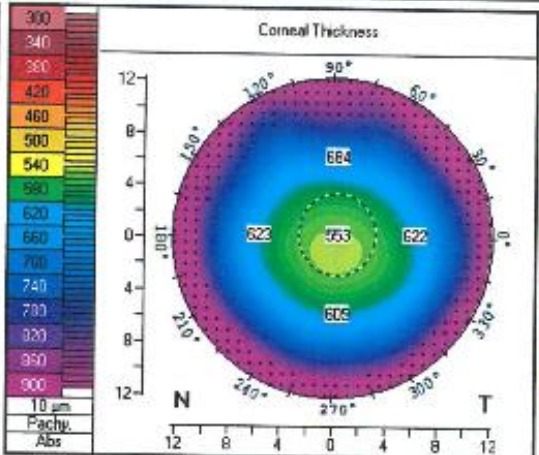
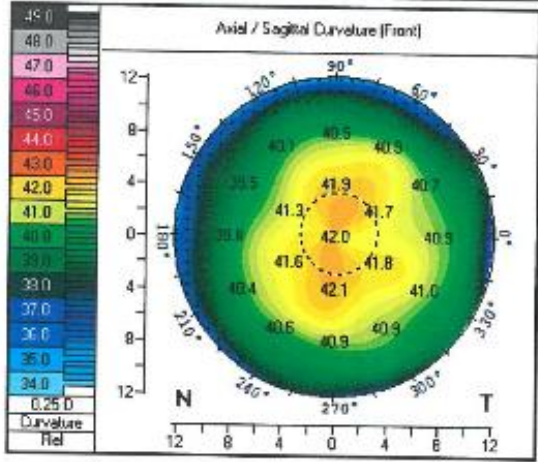
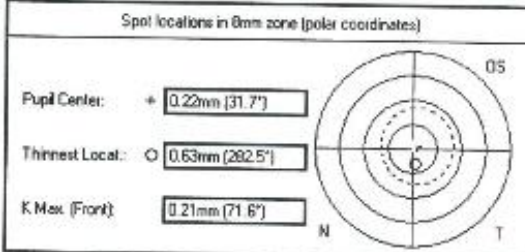
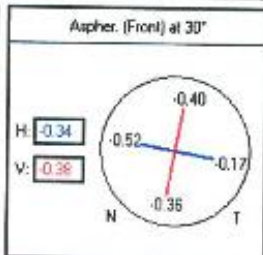


Asphericity (Front) of Major Meridians

[Q-val]	Degrees peripheral				
	20°	25°	30°	35°	40°
Nas	-0.44	-0.48	-0.52	-0.56	
Temp	-0.06	-0.12	-0.17	-0.23	-0.35
Inf	-0.23	-0.30	-0.36	-0.38	-0.42
Sup	-0.28	-0.35	-0.40	-0.43	
Mean	-0.25	-0.31	-0.36	-0.42	-0.39

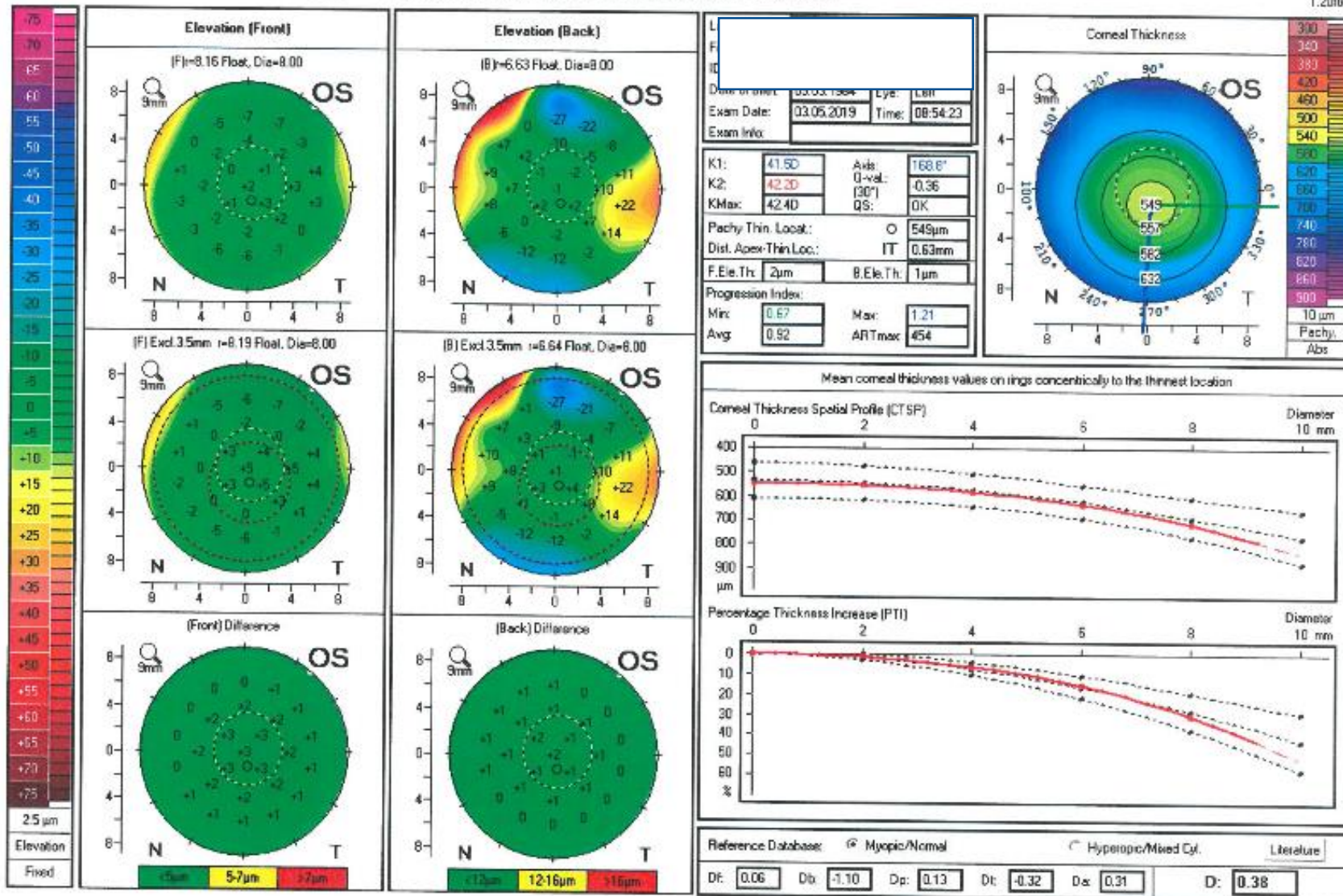
Indices (in 8mm zone)

ISV:	<input type="text" value="13"/>	IHA:	<input type="text" value="0.9"/>
IVA:	<input type="text" value="0.08"/>	IHD:	<input type="text" value="0.005"/>
KI:	<input type="text" value="1.02"/>	RMin:	<input type="text" value="7.96"/>
CKI:	<input type="text" value="1.01"/>	TKC:	<input type="text"/>



OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia

1.20:07



Refrakční pacient

RA: babička glaukom

SA: pracuje v potravinářství

OA: sledován pro asthma a alergie, bez trvalé medikace, revmatické onemocnění nejuje. Atopik není.

KČ nenosí

A: brýle od 15 let, operace, úrazy či chron. onemocnění očí neuvádí. V dětství bez šilhání a nošení okluzoru. Vada je v posledních letech stálá. Barvocit neprušen, šeroslepost neuvádí.

Vnat ODS: 0,05/0,05

V nat. blízko 1,0/1,0

VI korekce: F cca 1 rok

OD: -4,0cyl-0,5 ax41 0,9--

OS: -3,75cyl -0,25ax 98 1,0++

Subj. ref:

OD: -4,25cyl -0,75ax 27..... 1,2++ RG: R

OS: -4,5 1,2+ RG: odp

V blízko s Add 0: 1,0/1,0

Dominance: OS

AŠ: 6,6 D

KT: ortho KS: konvergence plynulá Motilita: volná

Worth: 4 Schober: fúze OK, ortho Stereopse: plně

Amsler: negativní Barvocit: neporušen

Graf kontrastní citlivosti přiložen v papírové dokumentaci.

Schirmerův test: 13/10

NT ODS: 15,5/16,5 mmHg

Pachymetrie 533/553, Belin Ambrosio neg

RST 325/354

Perimetr ODS: bez defektů

ODS: zevně klidné, přední segment intaktní, opt, media čirá

F ODS: fyziolog. nález odpov. věku

Dg ODS: Myopia modica, na OD cum astigmatismo

Sy suchého oka

Operace: Neosmile 3D

Cílová refrakce: emetropie

Operatér: A

Předoperační příprava v den operace: Lexaurin 4,5 mg p.o.

Kazuistika 7

Odesl. lékař: Internet Povolání: urolog, močový Věk: 34

Brýle nosí od: 16/02/16 Zátěž zraku: řízení v noci LCD jiné disko u port

Brýle <input type="checkbox"/> ne	KČ nosí: <u>1</u> let	Oční anam: <input type="checkbox"/> halo <input type="checkbox"/> glare <input type="checkbox"/> suchost
<input checked="" type="checkbox"/> 100% <input checked="" type="checkbox"/> dálka	<input type="checkbox"/> torické <input type="checkbox"/> Hard	<input type="checkbox"/> glaukom <input type="checkbox"/> 0 1 2 3 4 <input type="checkbox"/> 0 1 2 3 4 <input type="checkbox"/> 0 1 2 3 4
<input type="checkbox"/> 50% <input type="checkbox"/> blízko	<input type="checkbox"/> měkké <input type="checkbox"/> RGP	<input type="checkbox"/> šilhání
<input type="checkbox"/> 10% <input type="checkbox"/> bifokal	<input type="checkbox"/> 50% <input type="checkbox"/> 10%	<input type="checkbox"/> amblyopie <input type="checkbox"/> úraz očí <input type="checkbox"/> keratokon <input type="checkbox"/> operace ob
<input type="checkbox"/> multifok	naposledy před: <u>1</u> d / t / m / 0	<input type="checkbox"/> oční záněty <input type="checkbox"/> herpes očí
Preference počítačnické: Dálka _____ % PC _____ % Blízko _____ %		<input type="checkbox"/> oční Th

Alergie: _____ Celk. stav: DM epilepsie gravidita
 Hepatitida Kojení oneuší

Th. celk.: Eutyrin

V	OP	UCVA:	0,05
	Sf	Cyl	Ax
S vl. kor.:	=3,0	=1,25	42
AR:	=2,75	=2,25	29
Manifest:	=3,0	=2,25	25
V blízko:	add: /	Jč(nat) 1,0	Jč(mnf) 1,0
AR cyklo:	=2,10	=2,00	26
Manif cyl:	-3,0	-2,0	25

OL	UCVA:	0,05	
	Sf	Cyl	Ax
S vl. kor.:	=3,0	=1,75	147
AR:	=2,75	=2,00	162
Manifest:	=3,0	=3,0	165
V blízko:	add: /	Jč(nat) 1,0	Jč(mnf) 0,8
AR cyklo:	=2,50	=2,00	166
Manif cyl:	-3,0	-3,0	165

Pachy:	centrální	ablace 6,5 mm	Ø zornice	= C-A-120µ
	561	93	692	348
Kerato:	Min K	Min ax	Max K	Max ax
	46,00	22	44,75	112

Pachy:	centrální	ablace 6,5 mm	Ø zornice	= C-A-120µ
	559	106	663	333
Kerato:	Min K	Min ax	Max K	Max ax
	46,00	164	40,25	79

NOT: 12,7 Schirm: 3 BUT: 3 WtW: 11,7 NOT: 12,7 Schirm: 5 BUT: 5 WtW: 11,7

Dominance: OP OL KT: okliva WS: 4 Schober: plně ok, okliva

KS: plně Motilita: norma Stereo: plně

OCULUS - PENTACAM 4 Maps Refractive

Last Name:

First Name:

ID:

Date of Birth:

Exam Date: Time:

Exam Info:

Cornea Front

Rf: K1:

Rs: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmir:

Cornea Back

Rf: K1:

Rs: K2:

Rm: Km:

QS: Axis: Astig:

Q-val: Rper: Rmir:

Pupil Center:

Pachy Apex:

Thinnest Locat:

K Max. (Front):

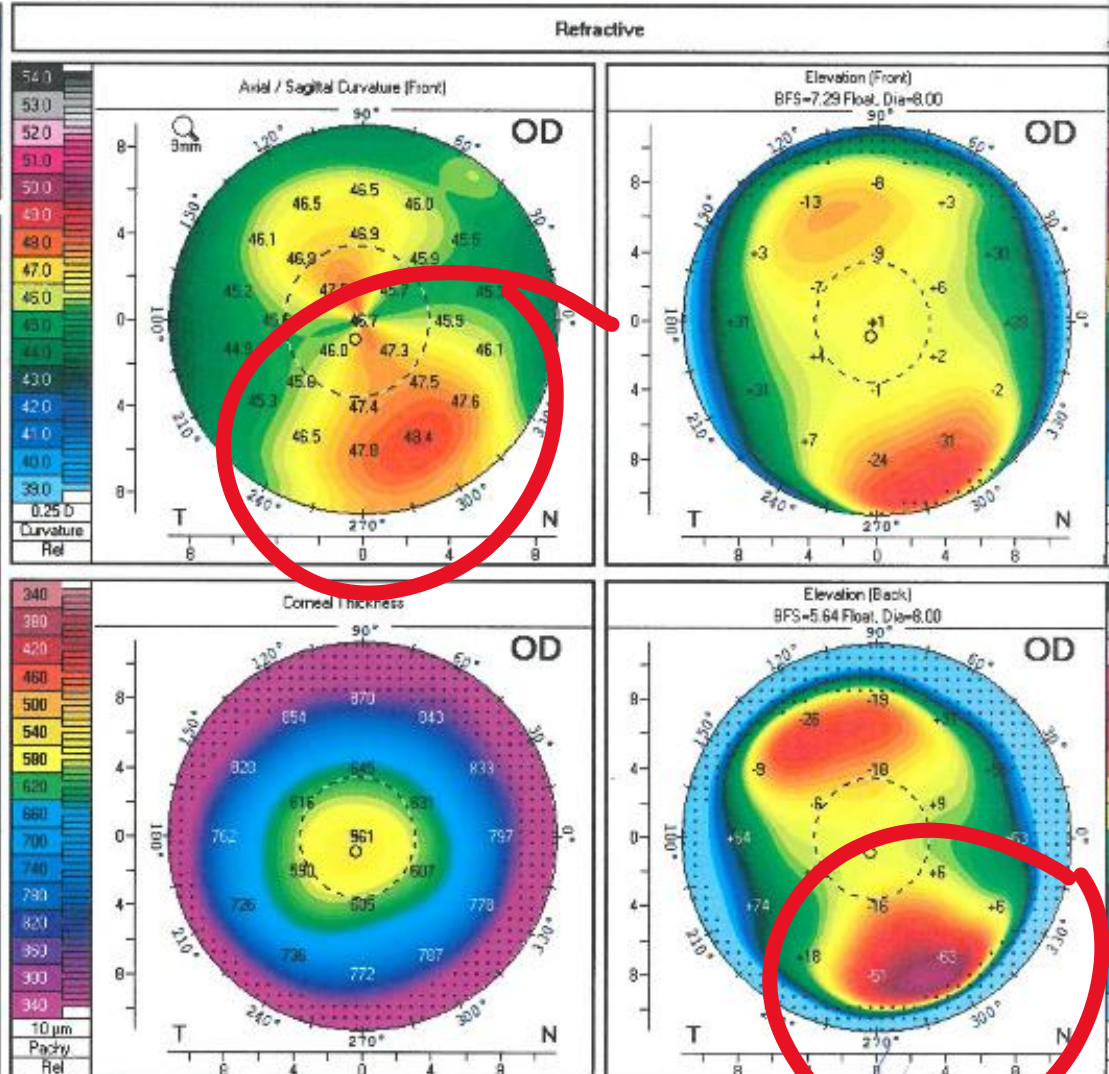
Cornea Volume: H Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP: IOP(Sum):

Lens Th:



OCULUS - PENTACAM 1 Large Color Map

1.20187

Last Name:

First Name:

ID:

Date of Birth:

Exam Date: Time:

Exam Info:

Cornea Front

RI: 7.41 mm K1: 45.5 D

R2: 7.10 mm K2: 47.5 D

Rm: 7.26 mm Km: 46.5 D

QS: OK Axis (fl): 22.6° Astig: 2.0 D

Q-val: (30°) -0.19 Rper: 7.44 mm Rmin: 6.97 mm

Cornea Back

RI: 5.80 mm K1: -6.9 D

R2: 5.33 mm K2: -7.5 D

Rm: 5.57 mm Km: -7.2 D

QS: OK Axis (fl): 14.4° Astig: 0.6 D

Q-val: (30°) -0.15 Rper: 5.83 mm Rmin: 5.12 mm

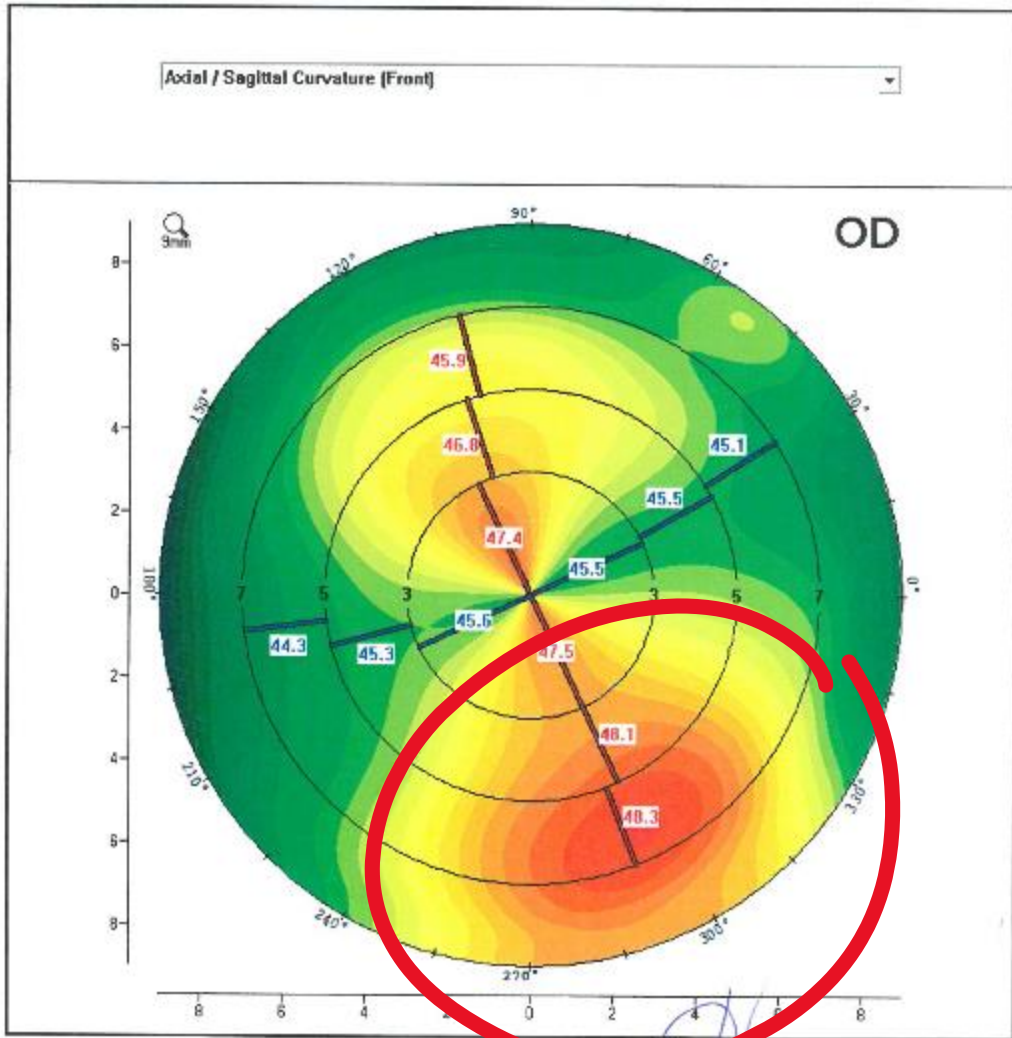
	Pachy:	x(mm)	y(mm)
Pupil Center:	+ 561 μm	-0.15	-0.02
Pachy Apex:	- 561 μm	0.00	0.00
Thinnest Locat:	○ 558 μm	-0.19	0.44
K Max (Front):	48.4 D	+1.36	-2.98

Cornea Volume: 72.0 mm³ A Cornea: 11.7 mm

Chamber Volume: 209 mm³ Angle: 48.1°

A. C. Depth (Ext): 3.94 mm Pupil Dia: 3.41 mm

Enter IOP | IOP(Sum): -0.8 mmHg Lens Th:



OCULUS - PENTACAM Refractive

1.2087

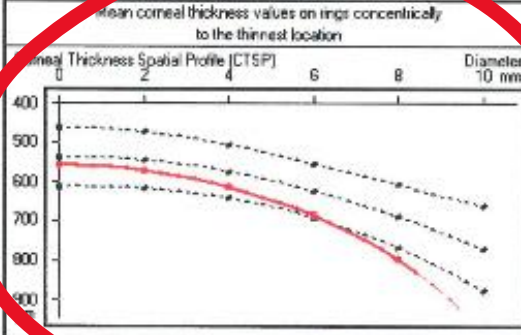
Last Name:

First Name:

ID:

Date of Birth:

Exam Date: Time:



Asphericity (Front) of Major Meridians

	Degree peripheral				
Meridian	20°	25°	30°	35°	40°
N	-0.10	-0.14	-0.19	-0.20	
T	-0.23	-0.26	-0.31	-0.37	-0.39
In	0.23	0.18	0.10	0.02	-0.07
Op	-0.31	-0.32	-0.35	-0.42	
Mean	-0.10	-0.14	0.19	-0.26	-0.23

R1: 7.41 mm K1: 45.5 D Axis: 22.8°

R2: 7.10 mm K2: 47.5 D Axis: 112.9°

Rm: 7.26 mm Km: 46.5 D Astig: 2.0 D

Q1: Q2: Rper: 7.44 mm Rmir: 6.97 mm

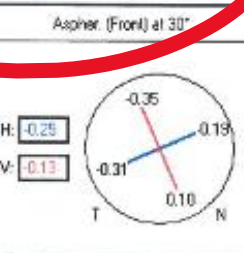
Index (in 8mm zone)

ISV: 22 IHA: 13.0

IVA: 0.12 IHD: 10.8

K1: 1.04 RMin: 6.97

CKI: 1.00 TKC:



Spot locations in 8mm zone (polar coordinates)

Pupil Center: + 0.15mm (168.4°)

Thinnest Local: O 0.48mm (246.8°)

K Max (Front): 3.13mm (255.6°)

Pachy: μm

Thinnest Local: μm

A. C. Depth (Ext.): mm

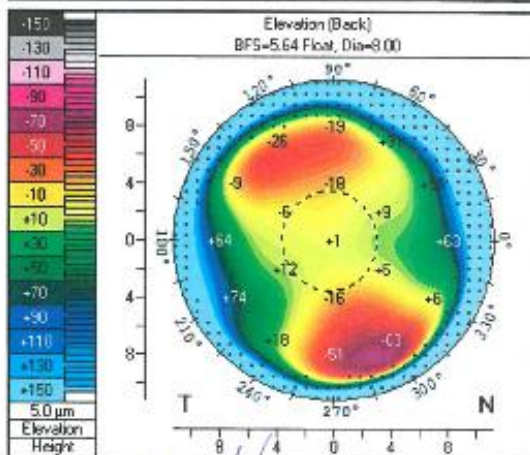
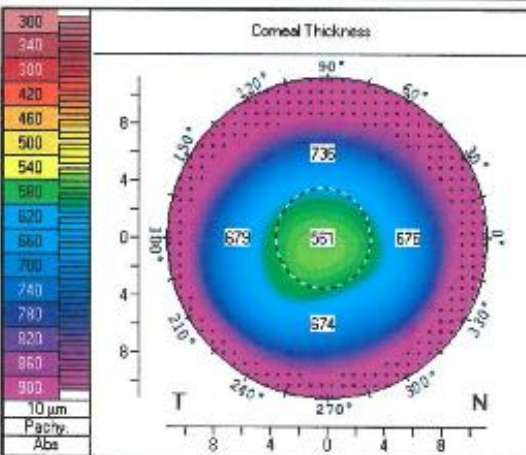
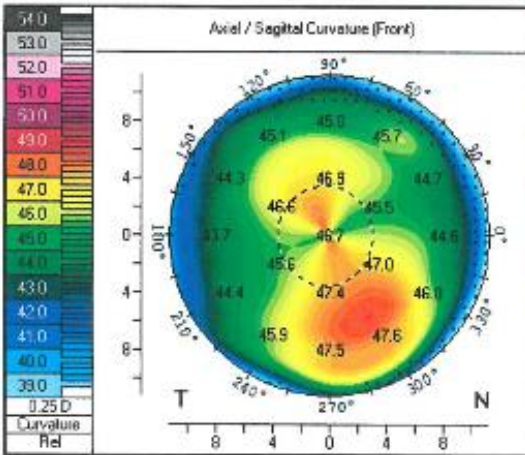
Angle: °

Pupil Center: x(mm) y(mm)

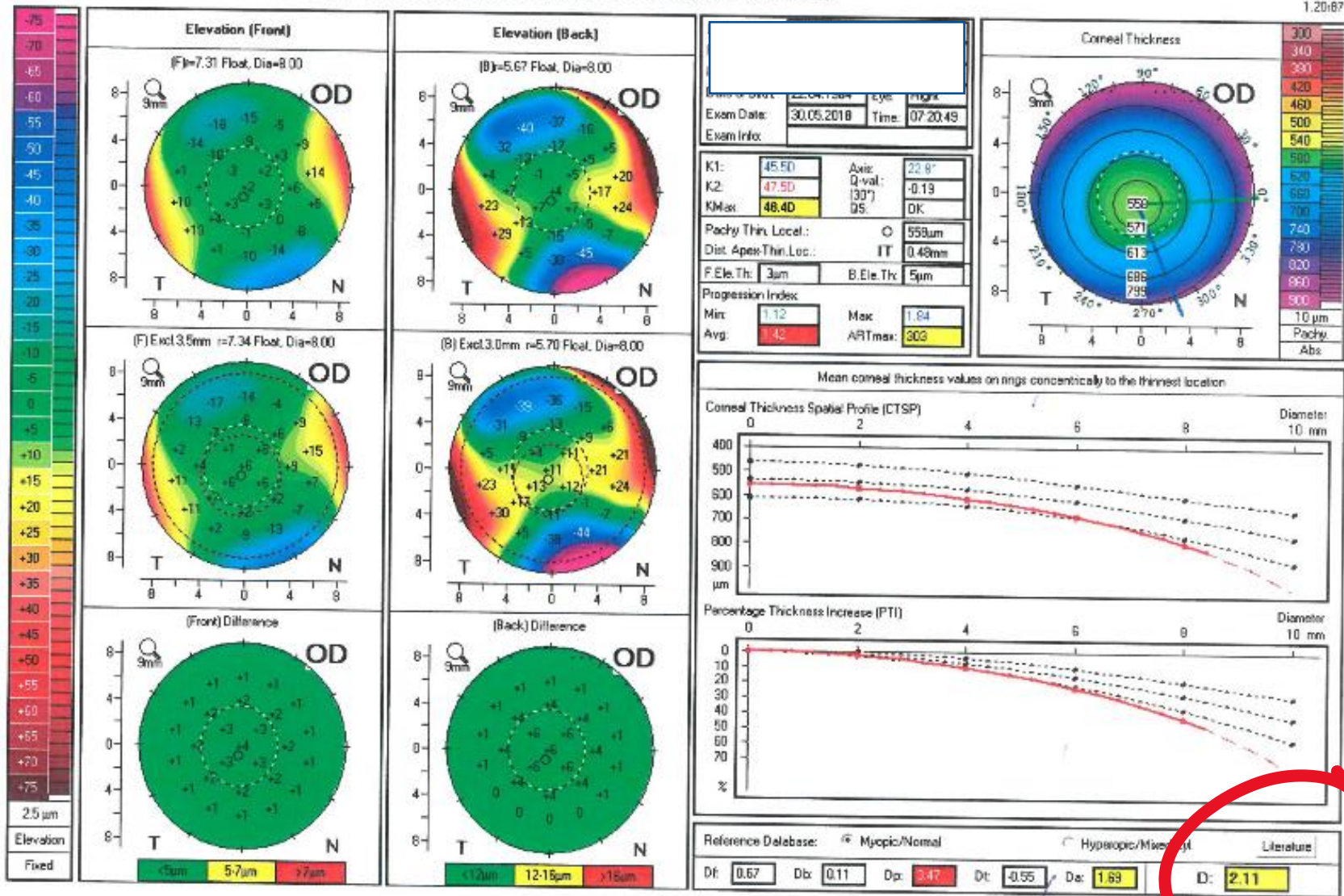
Thinnest Local: x(mm) y(mm)

Pupil Dia: mm

Lens Th:



OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia



OCULUS - PENTACAM 4 Maps Refractive

12087

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front

Rf: K1:

Rs: K2:

Rm: Km:

QS: Axis: (flat) Astig:

Q-val: Rper: Rmin:

Cornea Back

Rf: K1:

Rs: K2:

Rm: Km:

QS: Axis: (flat) Astig:

Q-val: Rper: Rmin:

Pupil Center: +

Pachy Apex: -

Thinnest Locat: ○

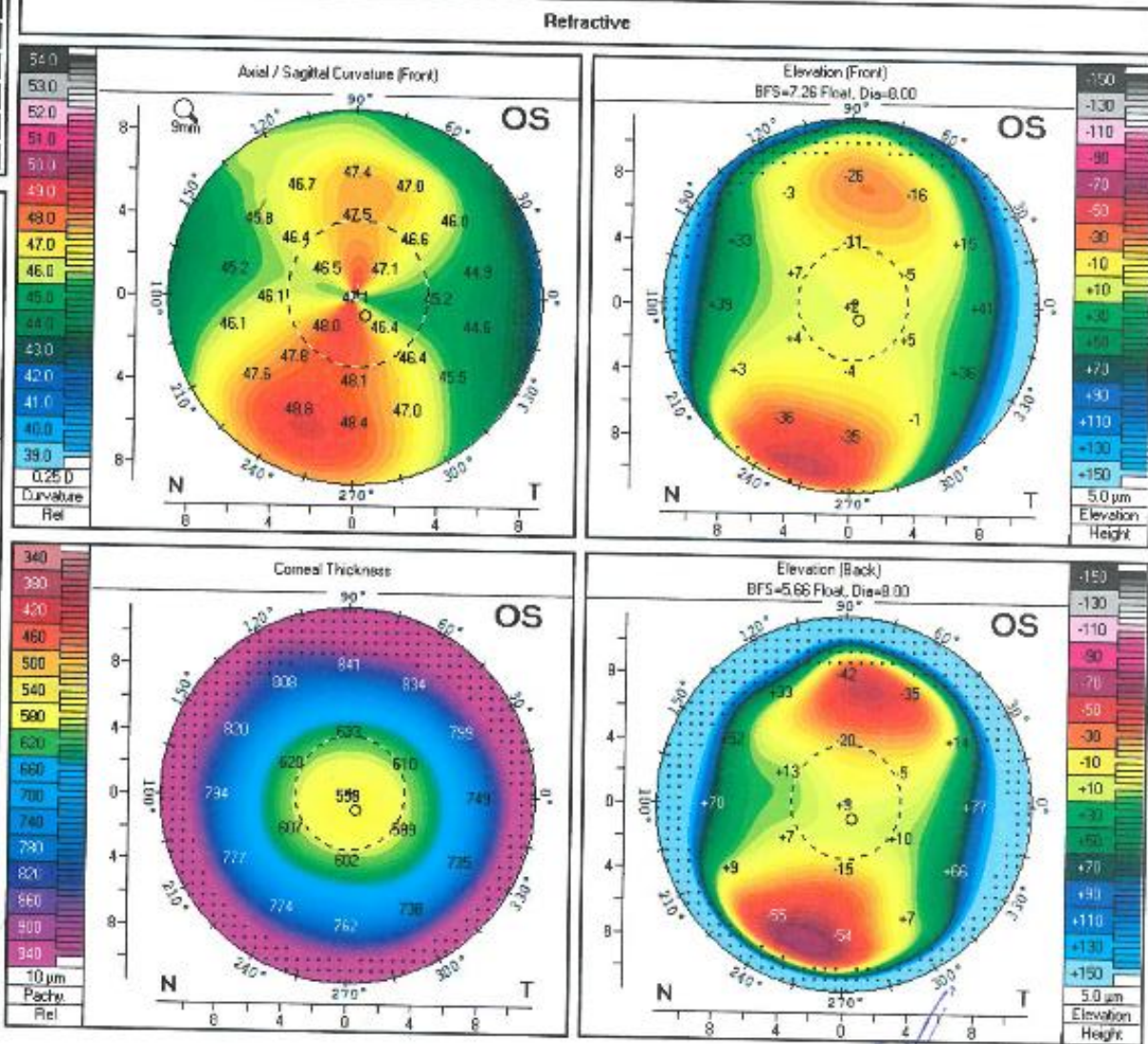
K Max (Front):

Cornea Volume: R Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP / IOP(Sum): Lens Th:



OCULUS - PENTACAM 1 Large Color Map

1.2087

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:

Exam Info:

Cornea Front

RE: K1:

Rs: K2:

Rmc: Kmc:

QS: Axis (flat): Astig:

Q-val: Rper: Rmin:

Cornea Back

Rf: K1:

Rb: K2:

Rmc: Kmc:

QS: Axis (flat): Astig:

Q-val: Rper: Rmin:

Pupil Center: + x(mm): y(mm):

Pachy Apex: - x(mm): y(mm):

Thinnest Local: ○ x(mm): y(mm):

K Max (Front): x(mm): y(mm):

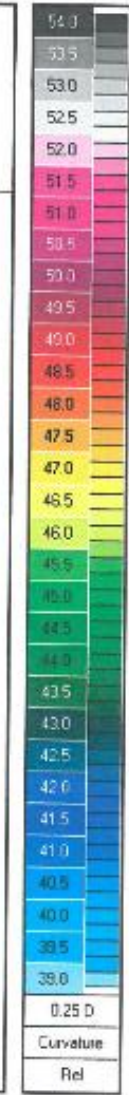
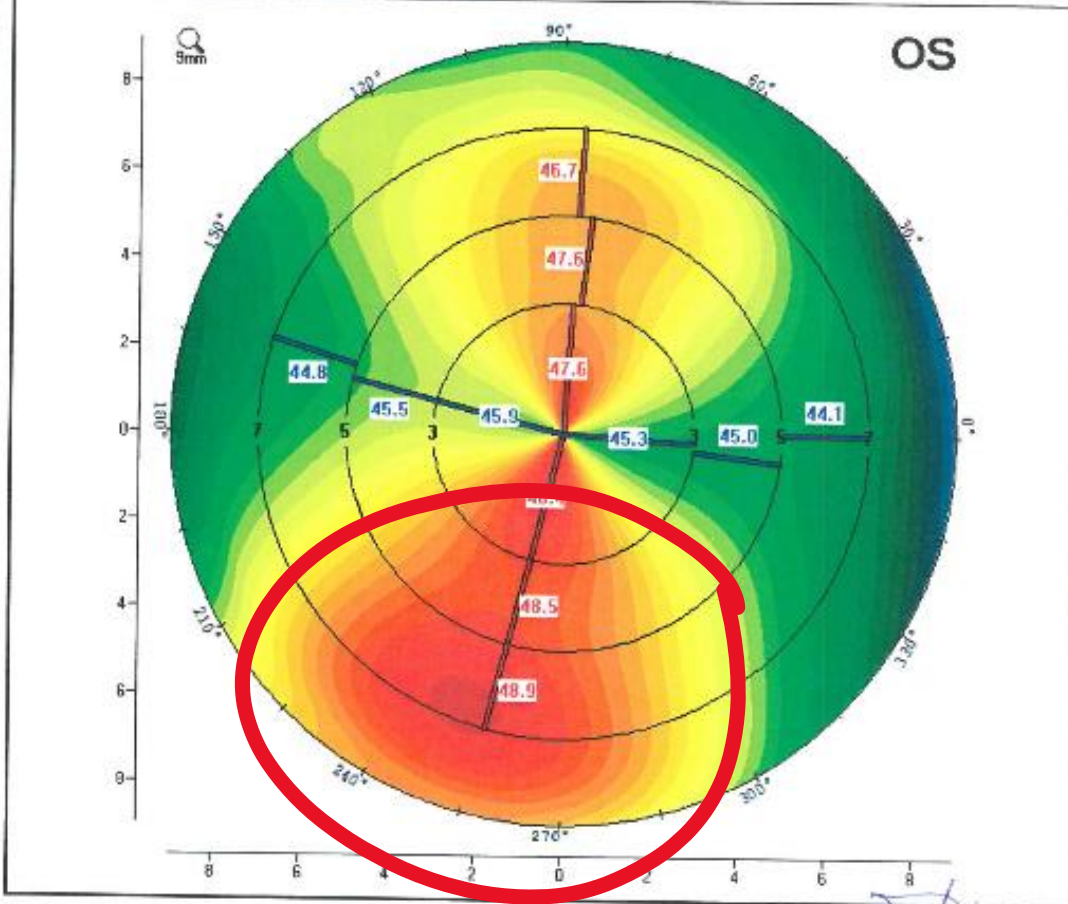
Cornea Volume: R Cornea:

Chamber Volume: Angle:

A. C. Depth (Ext.): Pupil Dia:

Enter IOP | IOP(Sum): Lens Th.:

Axial / Sagittal Curvature (Front)



OCULUS - PENTACAM Refractive

1.2067

Last Name:

First Name:

ID:

Date of Birth: Eye:

Exam Date: Time:



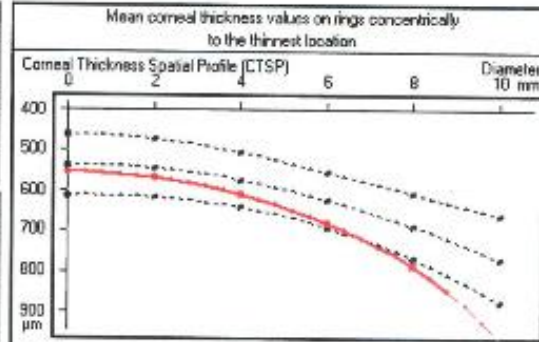
RF: 7.40 mm K1: 45.5 D Axis: 167.8°
 Rs: 7.32 mm K2: 48.1 D Axis: 77.6°
 Rm: 7.21 mm Km: 46.8 D Astig: 2.5 D
 Q1: Q-val: (30°) -0.24 Riper: 7.43 mm Rmin: 6.89 mm

Pupil Center: + 559 μm x(mm) +0.07 y(mm) +0.08

Thinnest Locat.: O 555 μm x(mm) +0.25 y(mm) -0.45

A. C. Depth (Ext.): 3.85 mm Pupil Dia: 3.44 mm

Angle: 48.8° Lens Th.:

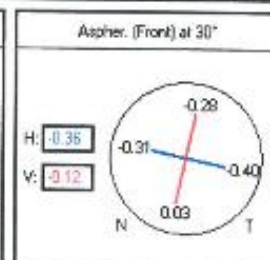


Asphericity (Front) of Major Meridians

Q-val	Degrees peripheral				
	20°	25°	30°	35°	40°
Nac	-0.24	-0.27	-0.31	-0.37	-0.52
Temp	-0.25	-0.31	-0.40	-0.48	-0.53
Inf	0.04	0.07	0.03	-0.03	-0.10
Sup	0.12	-0.21	-0.28	-0.32	-0.40
Mean	-0.14	-0.19	-0.24	-0.30	-0.39

Indices (in 8mm zone)

ISV: 27 IHA: 14.1
 IVA: 0.16 IHD: 0.015
 KI: 1.03 RMin: 6.89
 CKI: 1.01 TKC:


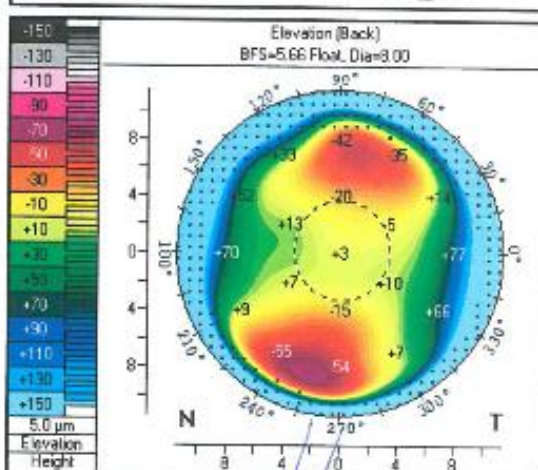
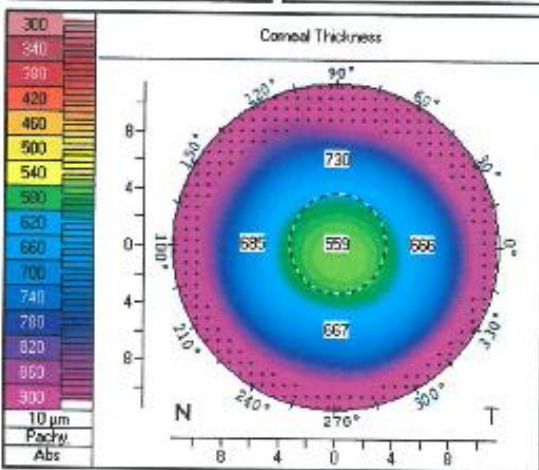
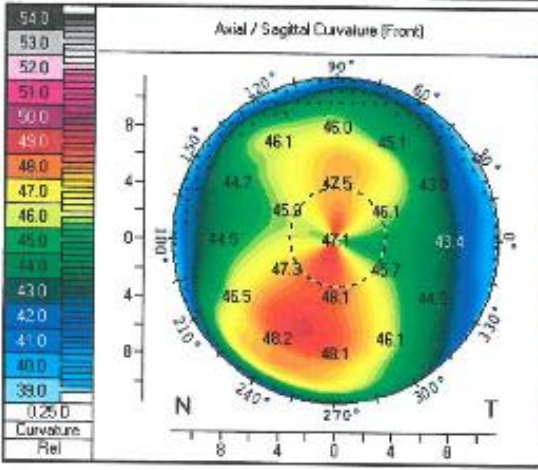


Spot locations in 8mm zone (polar coordinates)

Pupil Center: + 0.11mm (49.7°)

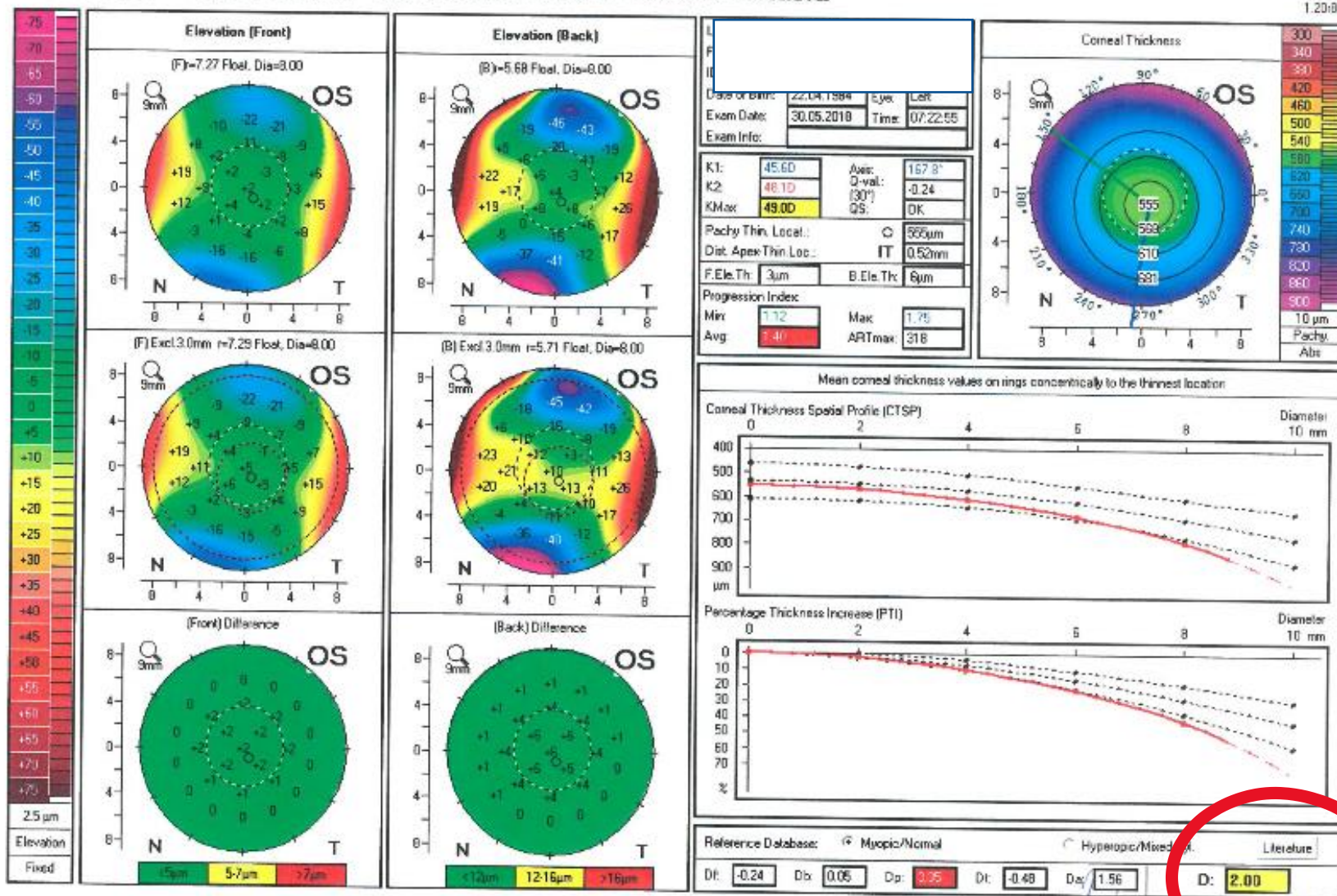
Thinnest Locat.: O 0.52mm (299.7°)

K Max (Front): 3.32mm (250.9°)

OCULUS - PENTACAM Belin / Ambrósio Enhanced Ectasia

1.20.07



Refrakční pacient
RA: neg
SA: programátor
OA: onemocnění štítné žlázy, revmatické onemocnění neuguje. Atopik není.
KČ nenosí, naposledy před rokem
A: brýle od 16 let, operace, úrazy či chron. onemocnění očí neuvádí. V dětství bez šilhání a nošení okluzoru. Vada je v posledních letech stálá, změnila se údajně jen cylindry. Barvocit neporušen, šeroslepost neuvádí.
VnatODS:0,05/0,05
Vlastní korekce (stará 1 roky)
OD -3,0cyl-1,25ax42 VOD 1,0--
OS -3,0cyl-1,75ax147 VOS 1,0--
Subj. ref:
OD: -3,0cyl-2,25ax25 VOD: 1,2- RG ano
OS: -3,0cyl-3,0ax165 VOS: 1,0++ RG ano
VODS: 1,2
V blízko s Add 0: 1,0/0,8
KT: ortho, KS: plyn, Mot.: volná
Dominance: OP
Worth: 4, Schober: fúze OK, ortho, Stereo: plně
AŠ: 6,6 D
Schirmer: 3/5 mm
Barvocit: neporušen
Kontrastní citlivost: viz graf KC v papírové dokumentaci
NT ODS: 12,7/12,7 mmHg
Pachymetrie 561/559, Belin Ambrosio pozitivní, výrazně vyšší lomovist v dolních polovinách rohovky
Perimetr ODS. bez defektů
ACD 3,94/3,85mm
Endotel: 2677/2533, CV 30/33
ODS: zevně klidné, přední segment intaktní, opt, media čirá
F ODS: fyziolog. nález odpov. věku, sítnice bez lož. změn

Dg ODS: Myopia modica cum astigmatismo
Sy suchého oka


Operace: implantace myopické torické ICL do 1) oko levé 2) oko pravé
Dop. začít kapat do obou očí umělé slzy bez konzervačních látek 3-5xd (např. Hyabak, Hylo-comod, Hyal drop apod)
Cílová refrakce: emetropie

Kazuistika 8

- Muž, 27 let
- RA neg.
- OA: s ničím se neléčí
- V OD: s -5,5Dsf/-1,0Dcyl/150st...1,2
- V OS: s -6,25Dsf/-0,5Dcyl/15st...1,2
- Pachymetrie 540/539
- Pentacam v normě
- Schirmer 5/6
- Má zájem o refrakční operaci

Exam Date: 19.07.2017 Time: 10:54:24
 Exam Info:

Cornea Front



Rf: 8.17 mm K1: 41.3 D
 Rs: 7.95 mm K2: 42.5 D
 Rm: 8.06 mm Km: 41.9 D
 QS: OK Axis: (flat) 174.4° Astig: 1.1 D
 Q-val: (30°) -0.16 Rper: 8.20 mm Rmin: 7.91 mm

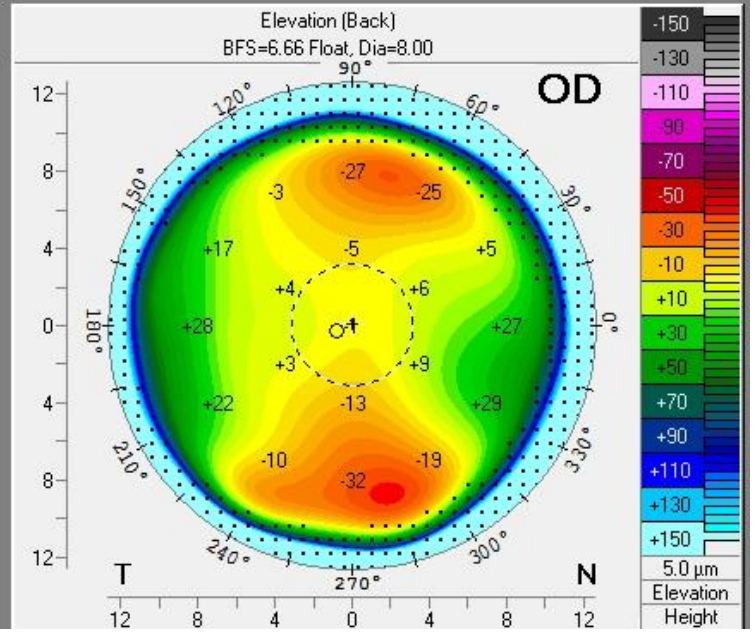
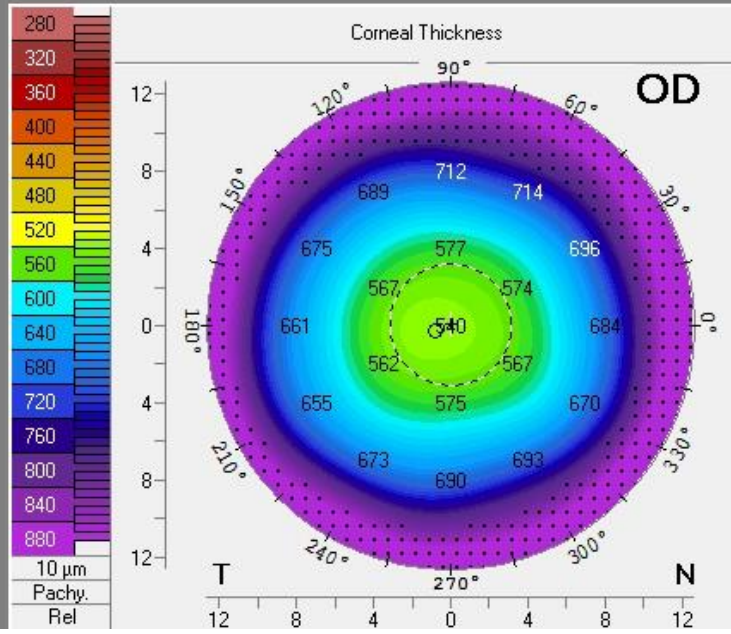
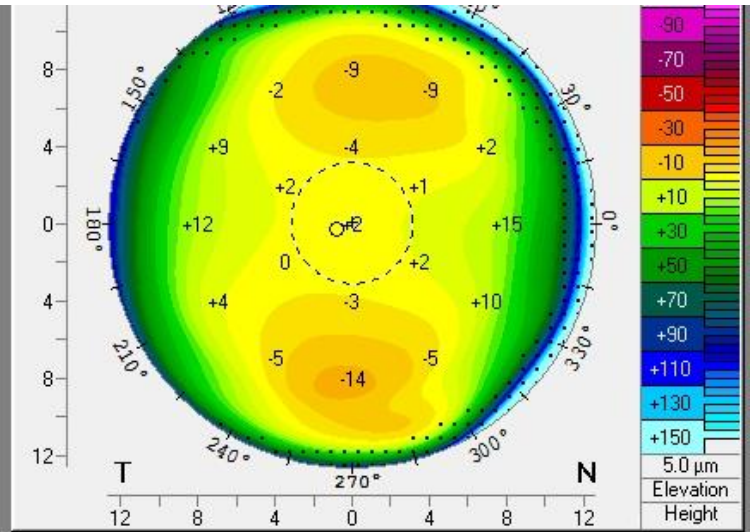
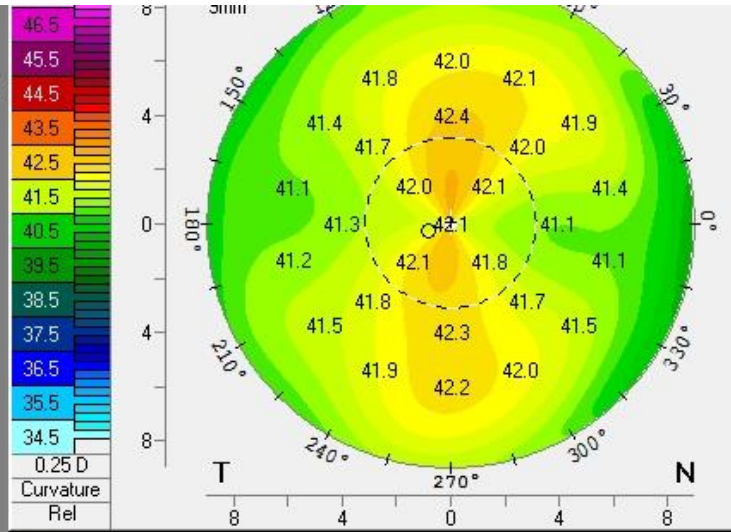
Cornea Back



Rf: 6.88 mm K1: -5.8 D
 Rs: 6.50 mm K2: -6.2 D
 Rm: 6.69 mm Km: -6.0 D
 QS: OK Axis: (flat) 178.3° Astig: 0.3 D
 Q-val: (30°) 0.01 Rper: 6.71 mm Rmin: 6.42 mm


Pupil Center: + 540 μm x[mm] 0.00 y[mm] +0.02
 Pachy Apex: • 540 μm 0.00 0.00
 Thinnest Locat.: ○ 539 μm -0.42 -0.14
 K Max. (Front): • 42.7 D 0.00 +0.42

Cornea Volume: 59.5 mm³ R Cornea: 12.8 mm
 Chamber Volume: 258 mm³ Angle: 45.8°
 A. C. Depth (Ext.): 4.11 mm Pupil Dia: 3.14 mm
 Enter IOP IOP(Sum): +1.2 mmHg Lens Th.:




Exam Date: 19.07.2017 Time: 10:55:23
 Exam Info:

Cornea Front



Rf: 8.18 mm K1: 41.2 D
 Rs: 7.99 mm K2: 42.2 D
 Rm: 8.09 mm Km: 41.7 D
 QS: OK Axis: (flat) 178.4° Astig: 1.0 D
 Q-val: (30°) -0.19 Rper: 8.23 mm Rmin: 7.93 mm

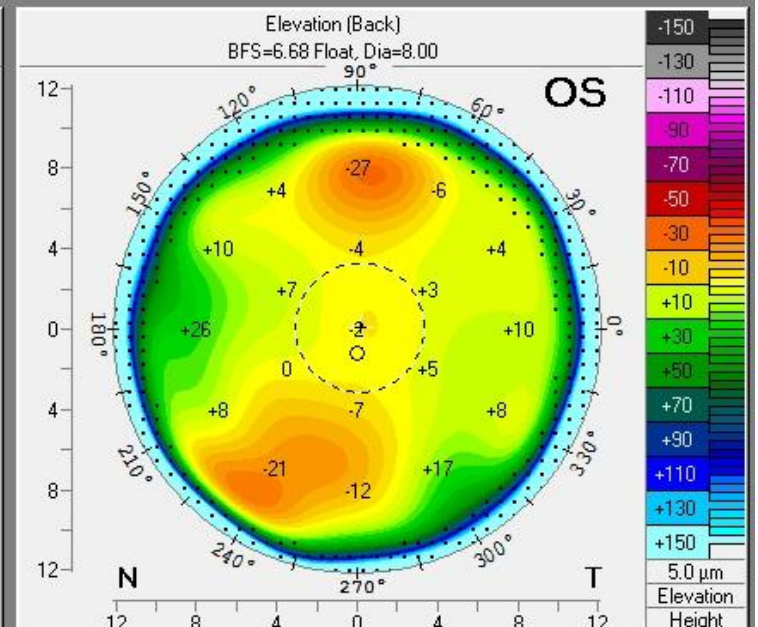
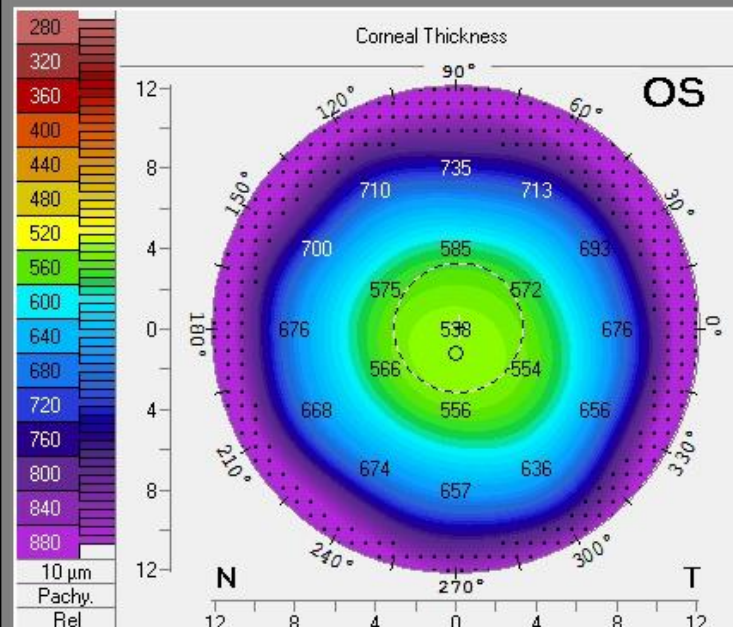
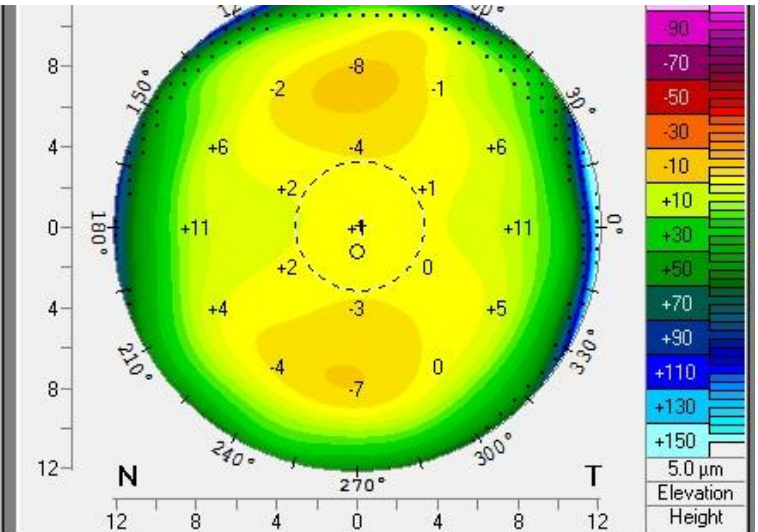
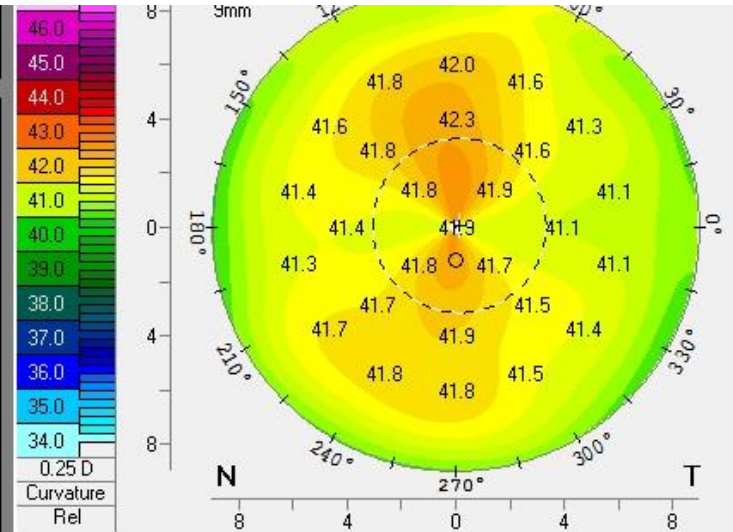
Cornea Back



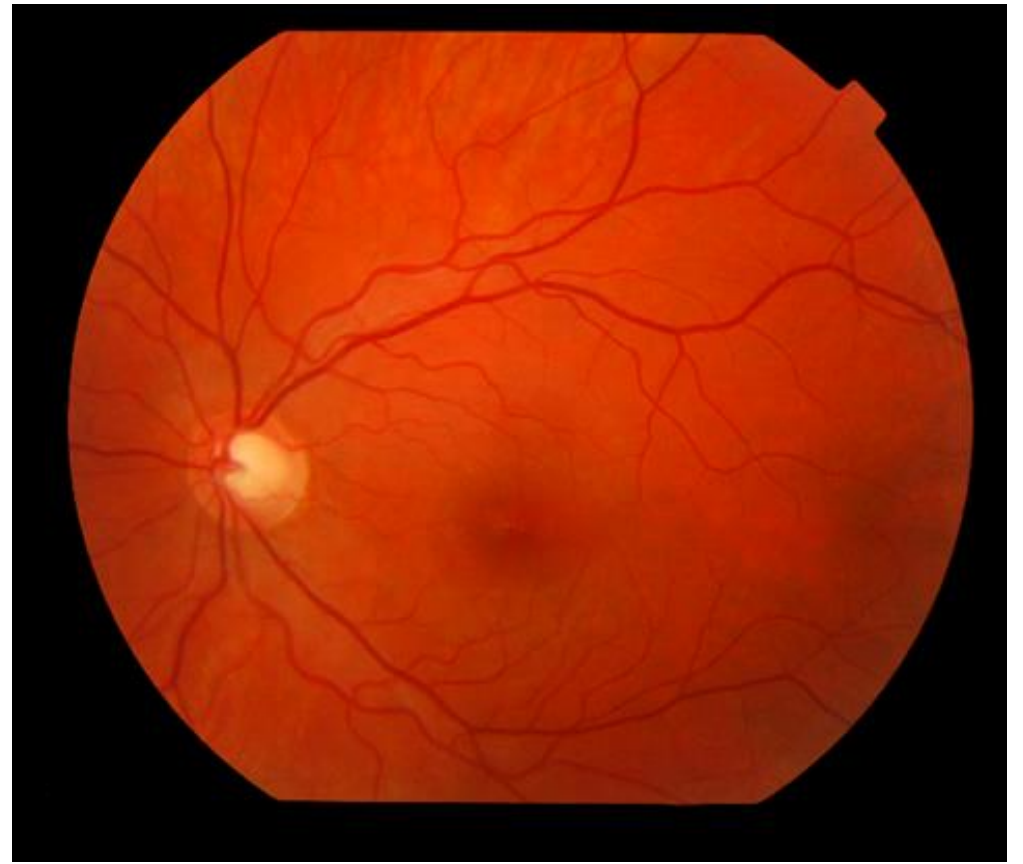
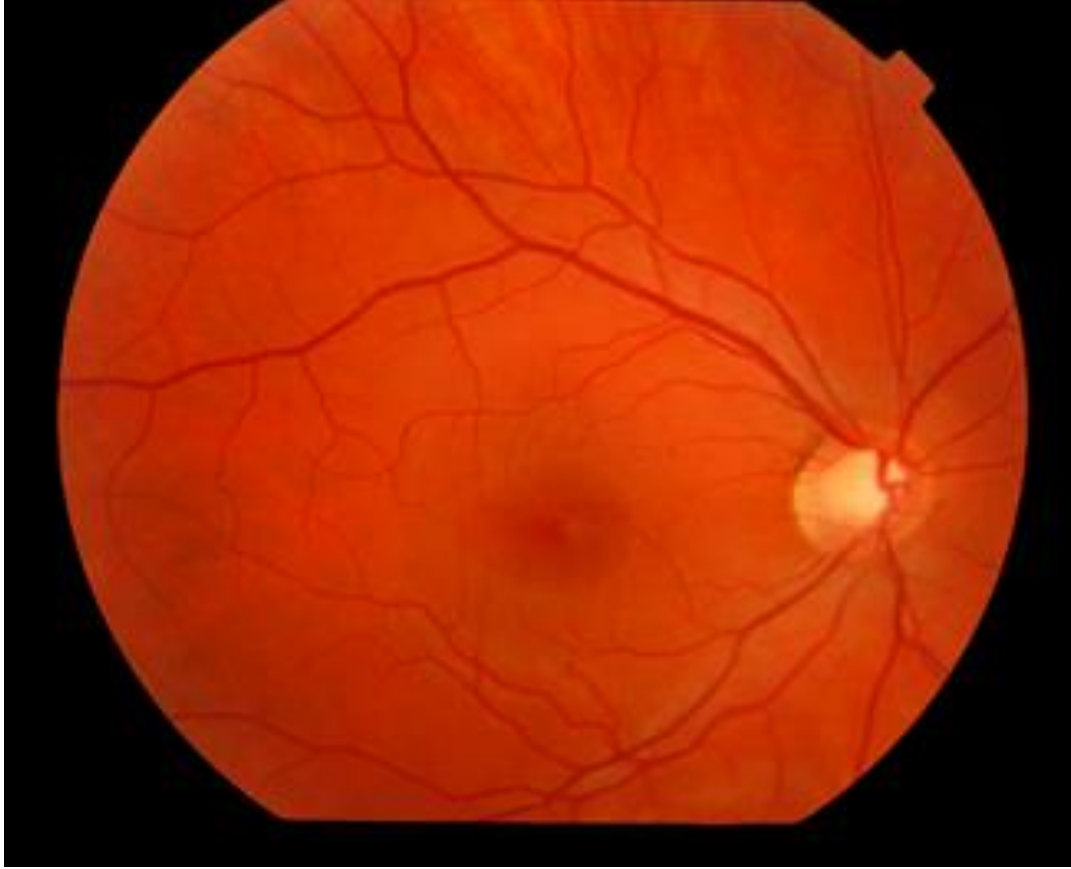
Rf: 6.87 mm K1: -5.8 D
 Rs: 6.59 mm K2: -6.1 D
 Rm: 6.73 mm Km: -5.9 D
 QS: OK Axis: (flat) 168.6° Astig: 0.2 D
 Q-val: (30°) 0.06 Rper: 6.72 mm Rmin: 6.42 mm

	Pachy:	x[mm]	y[mm]
Pupil Center:	+ 539 μm	+0.07	+0.03
Pachy Apex:	- 538 μm	0.00	0.00
Thinnest Locat.:	○ 535 μm	0.00	-0.61
K Max. (Front):	● 42.6 D	+0.07	+0.47

Cornea Volume:	59.4 mm ³	R Cornea:	12.9 mm
Chamber Volume:	270 mm ³	Angle:	37.4°
A. C. Depth (Ext.):	4.14 mm	Pupil Dia:	3.21 mm
Enter IOP IOP(Sum):	+1.3 mmHg	Lens Th.:	



- 4 roky léčen pro POAG
- dg stanovena ve FN Brno, kde také sledován
- původně vzestup NT po kortikosteroidech při zánětu spojivek
- kape Xalacom do ODS
- NCT 23,7/23,0 mmHg



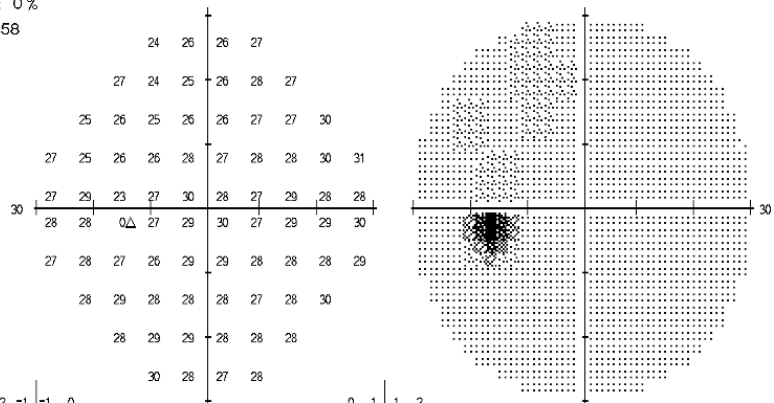
Fixation Monitor: Blind Spot
 Fixation Target: Central
 Fixation Losses: 1/19
 False POS Errors: 0 %
 False NEG Errors: 0 %
 Test Duration: 06:58

Stimulus: III, White
 Background: 31.5 ASB
 Strategy: SITA-Standard

Pupil Diameter:
 Visual Acuity:
 RX: DS DC X

Date: 19-07-2017
 Time: 12:05
 Age: 26

Fovea: OFF



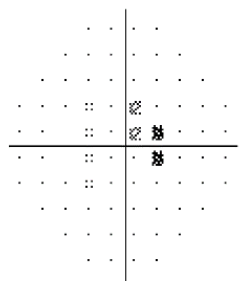
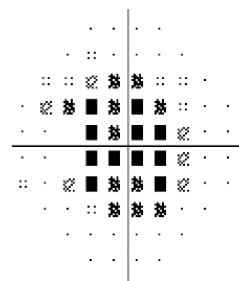
-2	-1	-1	0						
-2	-5	-4	-4	-2	-2				
-5	-4	-6	-6	-4	-4	0			
-3	-6	-6	-7	-5	-6	-5	-4	-1	2
-3	-3	-7	-4	-6	-7	-4	-3	-1	
-3	-3	-6	-5	-5	-7	-4	-2	0	
-5	-3	-5	-7	-5	-5	-5	-4	-3	0
-3	-3	-4	-5	-5	-5	-3	0		
-3	-2	-2	-3	-2	-1				
0	-2	-2	-1						

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

GHT
 Within normal limits
 VFI 96%
 MD -4.10 dB P < 1%
 PSD 2.16 dB

Total Deviation

Pattern Deviation



⋯ < 5%
 ☼ < 2%
 ☼ < 1%
 ■ < 0.5%

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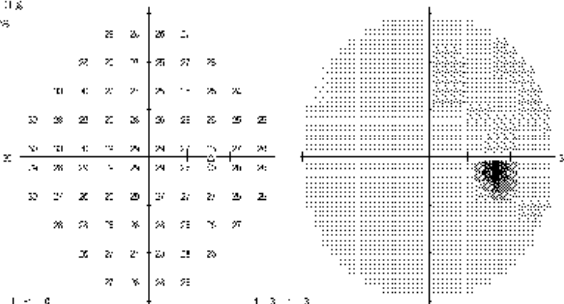
Fixation Monitor: Blind Spot
 Fixation Target: Central
 Fixation Losses: 0/19
 False POS Errors: 0 %
 False NEG Errors: 0 %
 Test Duration: 06:58

Stimulus: III, White
 Background: 31.5 ASB
 Strategy: SITA-Standard

Pupil Diameter:
 Visual Acuity:
 RX: DS DC X

Date: 19-07-2017
 Time: 12:05
 Age: 26

Fovea: OFF



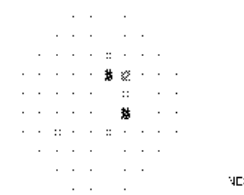
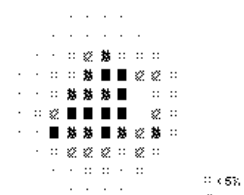
1	1	0					
-1	-5	-4	-5	-3			
0	-4	-6	-6	-4	-4	0	
1	-2	-4	-1	-7	-5	-1	-5
1	2	4	3	5	1	4	4
0	-5	-5	-5	-4	-1	-5	
1	-5	-5	-1	-1	-5	-1	-6
-2	-4	-1	-5	-5	-4		
-2	-5	-5	-3	-5			
-1	-2	-1					

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

GHT
 Within normal limits
 VFI 97%
 MD -4.20 dB P < 1%
 PSD 2.00 dB

Total Deviation

Pattern Deviation

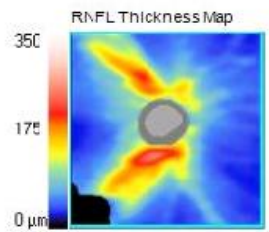


⋯ < 5%
 ☼ < 2%
 ☼ < 1%
 ■ < 0.5%

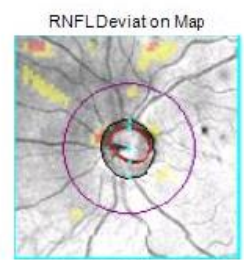
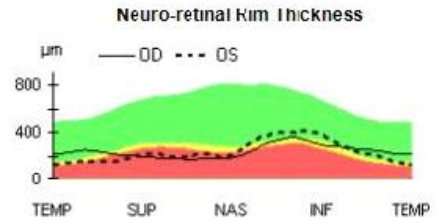
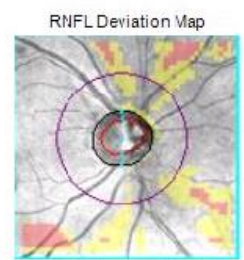
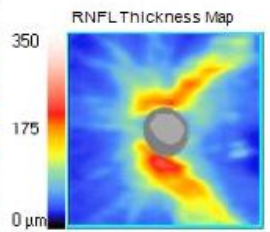
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ONH and RNFL OU Analysis: Optic Disc Cube 200x200 OD ● OS ●

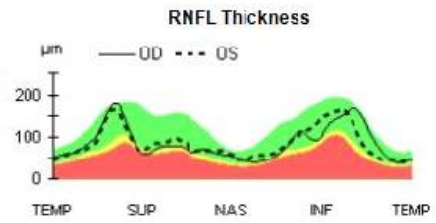
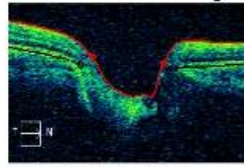


	OD	OS
Average RNFL Thickness	86 μm	86 μm
RNFL Symmetry	88%	
Rim Area	0.97 mm^2	0.94 mm^2
Disc Area	1.82 mm^2	1.71 mm^2
Average C/D Ratio	0.69	0.68
Vertical C/D Ratio	0.67	0.62
Cup Volume	0.403 mm^3	0.380 mm^3



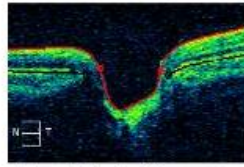
Disc Center(-0.15,0.24)mm

Extracted Horizontal Tomogram

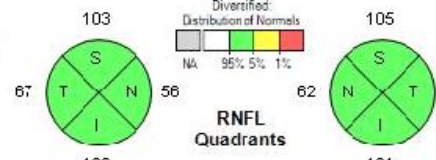
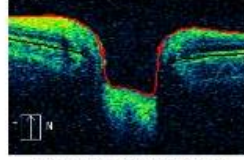


Disc Center(0.03,-0.03)mm

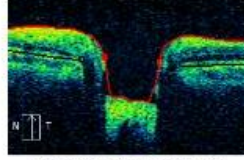
Extracted Horizontal Tomogram



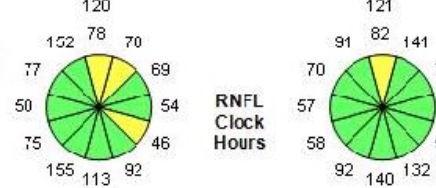
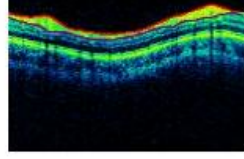
Extracted Vertical Tomogram



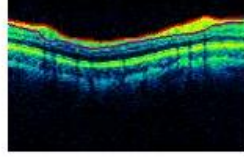
Extracted Vertical Tomogram



RNFL Circular Tomogram



RNFL Circular Tomogram



Kazuistika 8

- Dg ODS Myopia modica cum astigmatismo
 POAG
 Sy suchého oka
 Steroidní responder
- Refrakční laserový zákrok nebo ICL?
- LASIK nebo Smile?
- Nebo raději žádný zákrok?

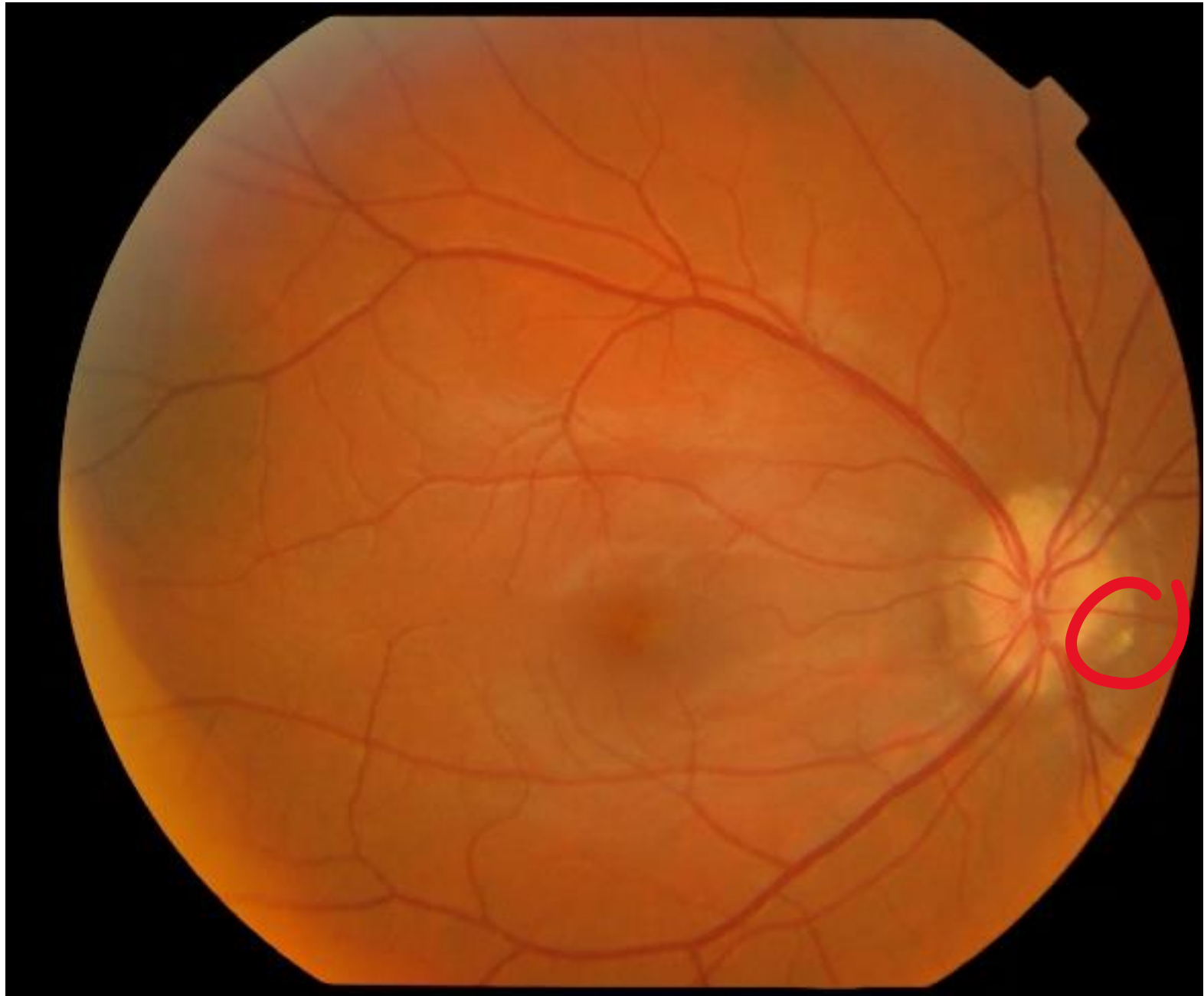


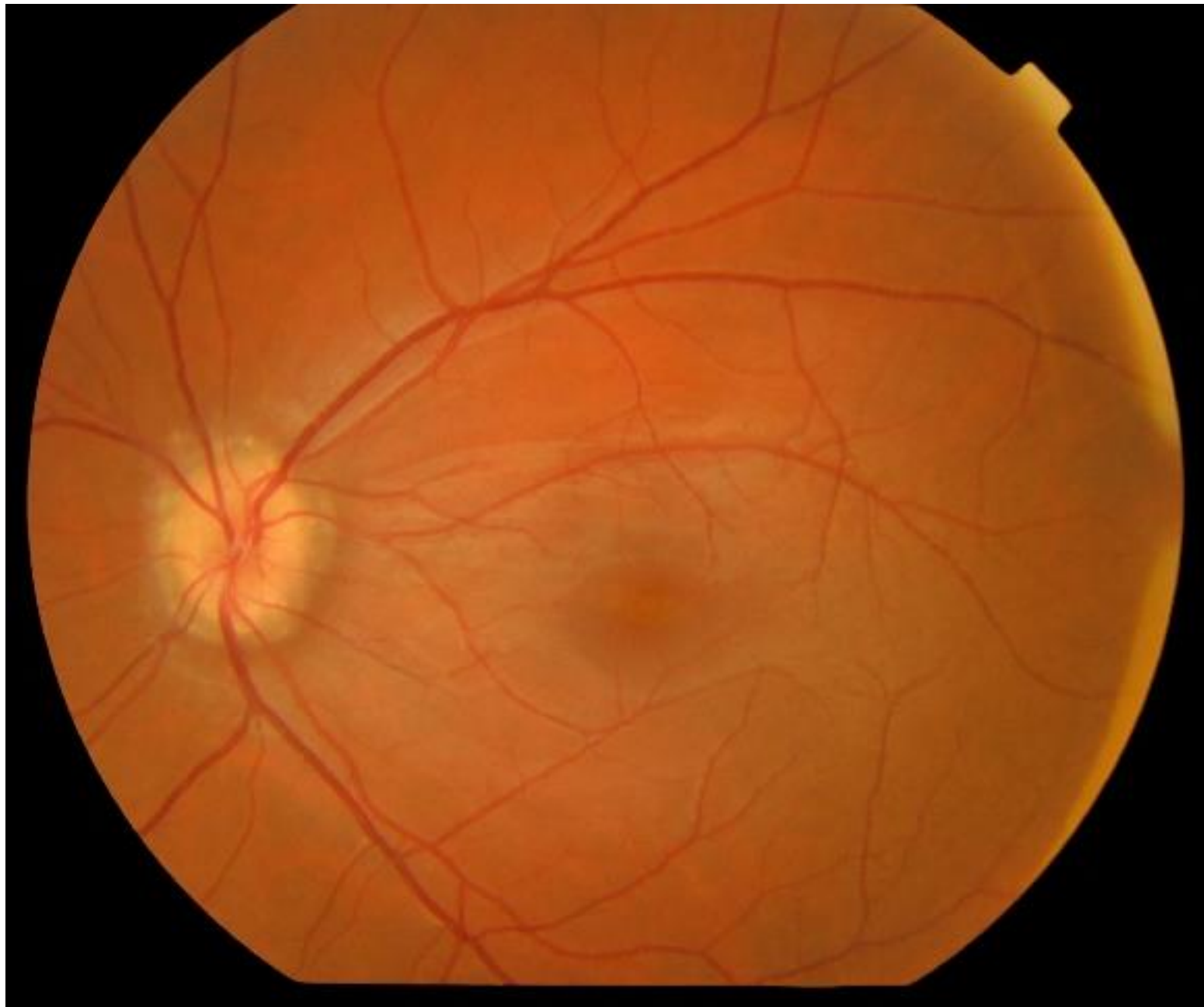
Kazuistika 8

- Proveden NeoSmile 3D ODS + dočasná okluze slzných cest
- Pacient poučen, že pro další sledování glaukomu bude stěžejní perimetrie a zobrazovací metody, zejména pomocí OCT
- V ODS po operaci 1,1nat
- NCT 13/19 mmHg
- Pachymetrie: 428/421 μm (původně 540/539)

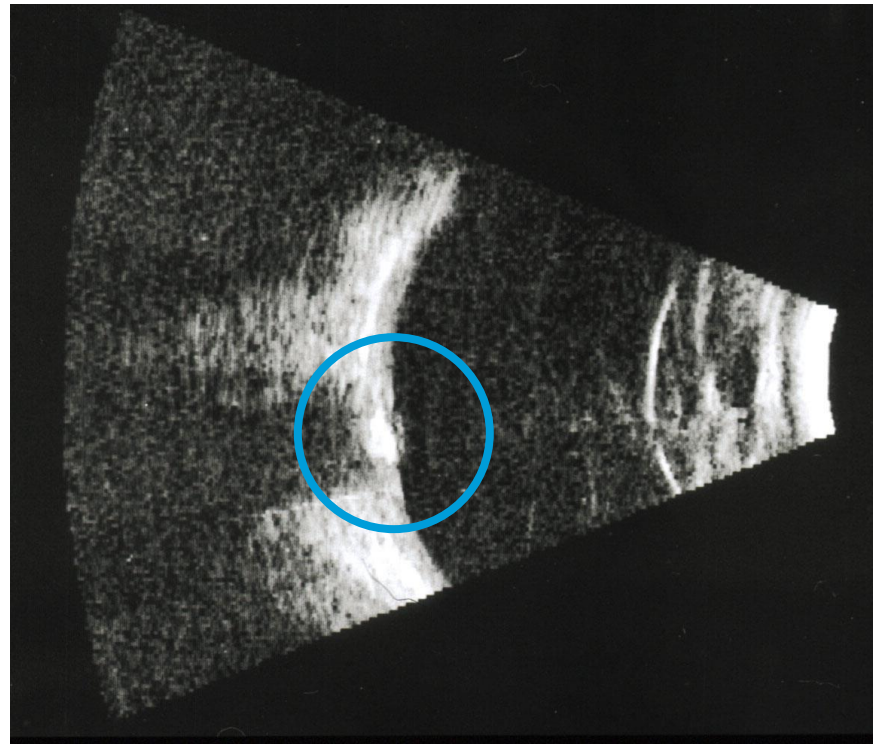
Kazuistika 9

- Muž, 25 let
- Zvažuje refrakční zákrok
- V OD: s -1,25 Dsf/-1,25 Dcyl/158 st...1,2
- V OS: s -1,0Dsf/-1,5Dcyl/3st...1,5
- NT 26/27
- Pachymetrie 578/607 um
- Gonio ODS: úhel otevřený, st. 4
- UZ ODS: drúzová papila





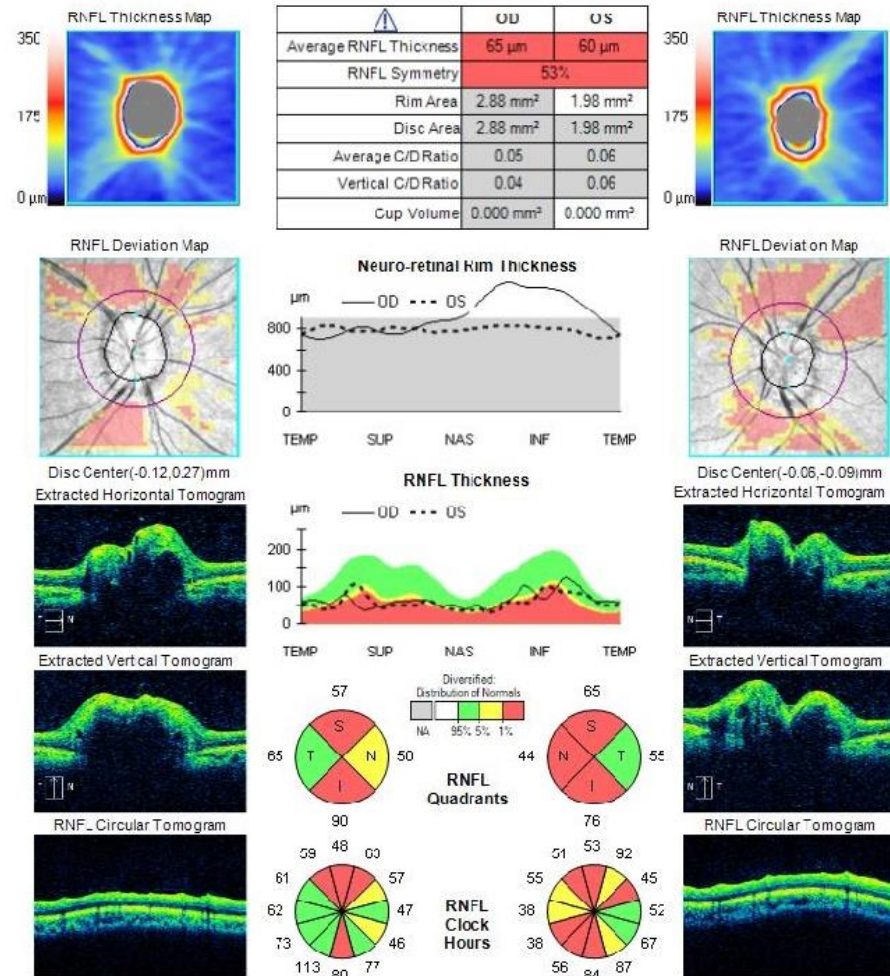
Drúzová papila



Name: **Nemcek, Ondrej** OD OS
 ID: CZM 1093662125 Exam Date: 1/31/2018 1/31/2018 NeoVize Oculi klinika Bmo
 DOB: 12/22/1993 Exam Time: 2:03 PM 2:04 PM
 Gender: Male Serial Number: 400-11528 400-11528
 Technician: Operator, C rus Signal Strength: 8/10 8/10



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



Comments

Doctor's Signature

Central 30-2 Threshold Test

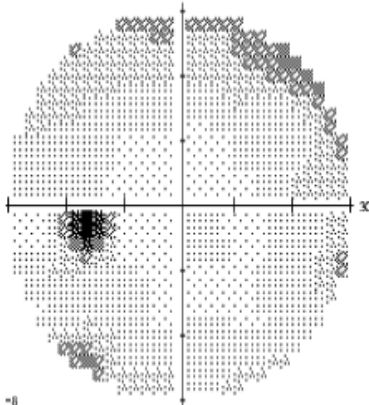
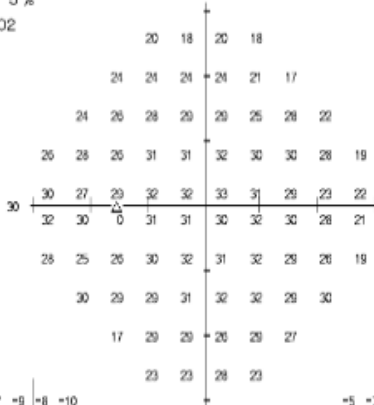
Fixation Monitor: Blind Spot
 Fixation Target: Central
 Fixation Losses: 0/18
 False POS Errors: 0 %
 False NEG Errors: 5 %
 Test Duration: 07:02

Stimulus: III, White
 Background: 31.5 ASB
 Strategy: SITA-Standard

Pupil Diameter:
 Visual Acuity:
 RX: DS DC X

Date: 31-01-2018
 Time: 12:28
 Age: 24

Fovea: OFF

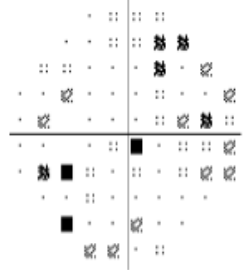


-7	-8	-10							
-5	-5	-6	-8	-12					
-6	-5	-3	-3	-3	-6	-3	-7		
-4	-3	-5	-2	-2	-3	-2	-3	-10	
-1	-5	-2	-2	-2	-3	-4	-6	-7	
1	-2	-3	-3	-5	-2	-3	-3	-9	
-3	-7	-7	-3	-2	-3	-2	-3	-5	-10
-2	-3	-3	-2	-1	0	-2	0		
-14	-2	-2	-5	-1	-2				
-8	-7	-1	-5						

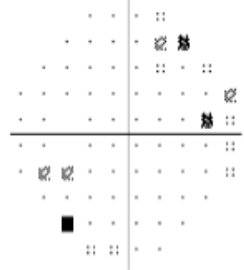
-5	-7	-6	-8						
-3	-3	-3	-4	-7	-10				
-5	-3	-1	-1	-5	-1	-6			
-3	-2	-4	0	0	-1	-1	-9		
0	-3	0	0	0	-1	-2	-6	-5	
3	0	-1	-1	-3	0	-1	-2	-7	
-2	-5	-5	-2	0	-1	0	-1	-3	-6
0	-1	-2	0	1	1	0	1		
-12	0	-1	-3	1	-1				
-6	-5	0	-4						

GHT
 Within normal limits
 VFI 98%
 MD -3.48 dB P < 2%
 PSD 2.95 dB P < 5%

Total Deviation



Pattern Deviation



:: < 5%
 ☼ < 2%
 ☼ < 1%
 ■ < 0.5%

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Central 30-2 Threshold Test

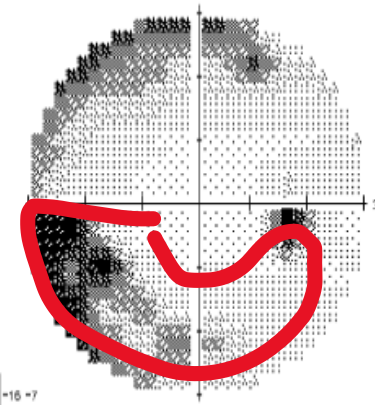
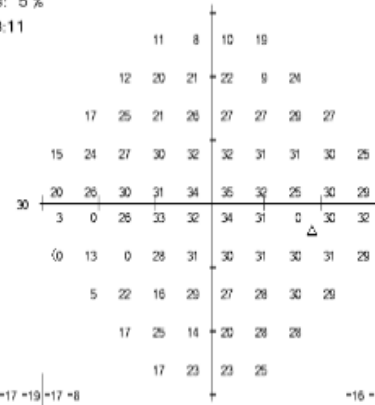
Fixation Monitor: Blind Spot
 Fixation Target: Central
 Fixation Losses: 0/20
 False POS Errors: 1 %
 False NEG Errors: 5 %
 Test Duration: 08:11

Stimulus: III, White
 Background: 31.5 ASB
 Strategy: SITA-Standard

Pupil Diameter:
 Visual Acuity:
 RX: DS DC X

Date: 31-01-2018
 Time: 12:18
 Age: 24

Fovea: OFF

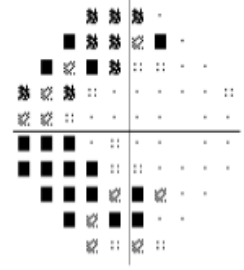


-17	-19	-17	-8						
-17	-10	-8	-7	-20	-5				
-13	-6	-10	-5	-4	-4	-1	-3		
-14	-6	-5	-3	-1	-1	-2	-1	-1	-6
-9	-5	-3	-2	0	1	-1	-1	-2	
-27	-31	-7	-2	-3	-1	-2	-2	1	
-31	-18	-22	-5	-3	-3	-2	-2	0	-2
-25	-9	-16	-4	-6	-5	-2	-3		
-12	-6	-17	-11	-3	-3				
-12	-6	-7	-5						

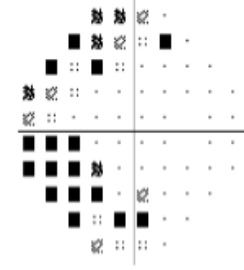
-16	-18	-16	-7						
-16	-9	-7	-6	-19	-4				
-12	-5	-9	-4	-3	-3	0	-2		
-13	-6	-4	-2	0	0	-1	0	0	-5
-8	-4	-2	-1	1	1	0	0	-1	
-26	-30	-6	-1	-2	0	-1	-1	2	
-30	-17	-31	-5	-2	-2	-1	-1	1	-1
-24	-8	-15	-3	-5	-4	-1	-2		
-11	-5	-16	-10	-2	-2				
-11	-5	-6	-4						

GHT
 Outside normal limits
 VFI 89%
 MD -6.35 dB P < 0.5%
 PSD 8.73 dB P < 0.5%

Total Deviation



Pattern Deviation



:: < 5%
 ☼ < 2%
 ☼ < 1%
 ■ < 0.5%

NEOVIZE S.R.O.
 OCNI KLINIKA BRNO-ZIDENICE
 517 070 700, 517 070 707
 mob.: 775 858 700
 WWW.NEOVIZE.CZ

Odesl. lékař: OPční STUDIO A. ŽEDLA

Povolání: OPVO

Věk: 21

Brýle nosí od: +

Zátěž zraku:

čtení v noci LCD 5h/d jiné +

Brýle <input checked="" type="checkbox"/> ne	KČ nosí: <u>+</u> let
<input type="checkbox"/> 100% <input type="checkbox"/> dálka	<input type="checkbox"/> žádné <input type="checkbox"/> torické <input type="checkbox"/> Hard
<input type="checkbox"/> 50% <input type="checkbox"/> blízko	<input checked="" type="checkbox"/> měkké <u>14</u> <input type="checkbox"/> RGP <input type="checkbox"/> RGP
<input type="checkbox"/> 10% <input type="checkbox"/> bifokal	<input type="checkbox"/> denně <input type="checkbox"/> 50% <input type="checkbox"/> 10%
<input type="checkbox"/> multifok	naposledy před: <u>1</u> d <u>0</u> m / r

Oční anam:	<input type="checkbox"/> halo	<input type="checkbox"/> glare	<input type="checkbox"/> suchost
<input checked="" type="checkbox"/> glaukom <u>+</u>	0 1 2 3 4	0 1 2 3 4	0 1 2 3 4
<input checked="" type="checkbox"/> šilhání <u>+</u>			

<input checked="" type="checkbox"/> amblyopie <u>+</u>	<input checked="" type="checkbox"/> úraz očí <u>*</u>	<input type="checkbox"/> keratokon <u>+</u>	<input checked="" type="checkbox"/> operace očí <u>+</u>
<input checked="" type="checkbox"/> oční záněty <u>+</u>			<input checked="" type="checkbox"/> herpes očí <u>+</u>

Preference pooperační: Dálka _____ % PC _____ % Blízko _____ %

Alergie: +

Oční Th: +

Th. celk.: +

Celk.stav: DM + epilepsie + gravidita +

Hepatitida + Kojení +

V	OP	UCVA: <u>0,4</u>		
	Sf	Cyl	Ax	BCVA
S vl. kor.:	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
AR:	<u>=1,50</u>	<u>=60</u>	<u>34</u>	
Manifest:	<u>KN</u>	<u>-</u>	<u>-</u>	<u>0,4</u>
V blízko:	add: _____	Jč(nat) <u>0,63</u>	Jč(mnf) <u>0,25</u>	Jč(add) _____
AR cyklo:				
Manif cyl:				

OL	UCVA: <u>0,8</u>			
	Sf	Cyl	Ax	BCVA
S vl. kor.:	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
AR:	<u>=0,25</u>	<u>=200</u>	<u>144</u>	<u>26</u>
Manifest:	<u>plan</u>	<u>=110</u>	<u>12,5</u>	<u>1,0 (=21)</u>
V blízko:	add: <u>-</u>	Jč(nat) <u>1,10</u>	Jč(mnf) <u>0,8</u>	Jč(add) _____
AR cyklo:				
Manif cyl:				

Pachy:	centrální <u>467</u>	ablace 6,5 mm	Ø zornice <u>7,8</u>	= C-A-120µ
Kerato:	Min K	Min ax	Max K	Max ax

Pachy:	centrální <u>486</u>	ablace 6,5 mm	Ø zornice <u>7,9</u>	= C-A-120µ
Kerato:	Min K <u>42,50</u>	Min ax <u>177</u>	Max K <u>45,10</u>	Max ax <u>41</u>

NOT: 10,3 Schirm: 10 BUT: _____ WtW: 12,3 NOT: 12,0 Schirm: 10 BUT: _____ WtW: 12,3

Dominance: OP OL KT: ortho WS: 4 Schober: fixe Ok, ortho
KS: plan Motilita: norma Stereo: není

Kazuistika 9

- Refrakční laserový zákrok nedoporučen s ohledem na již přítomné změny ZP, drúzovou papilu a význam NT při dalším sledování progresu
- Přínos zobrazovacích metod při sledování progresu glaukomu je u drúzové papily sporný



Žena, 64 let

Pac. se přichází objednat k refrakční operaci

A: bolesti zad, hypertenze, hypercholesterolemie, chronický zánět ledvin

Alergie neudává

SA: v důchodu

Oční: v mládí dobrý vizus, brýle na čtení od 40 let, šilhání, tupozrakost nejuje. Úraz nejuje. Glaukom neuvádí. Barvocit neporušen, šeroslepost neuvádí. Občas kape umělé slzy

Vnat ODS: 0,4--/0,3

V nat. blízko 0,1/0,1

Subj. ref:

OD: +1,25cyl-0,25 ax20 1,0 RG: G

OS: +2,0cyl-0,75 ax90 1,0 RG: G

V blízko s Add +2,25: 0,8/1,0

Dominance: OS

KT: ortho KS: konvergence plynulá Motilita: volná

Worth: 4 Schober: fúze OK, ortho Stereopse: plně

Amsler: negativní Barvocit: neporušen

Graf kontrastní citlivosti přiložen v papírové dokumentaci.

Schirmerův test: 2/2

NT ODS: 12,7/14,3 mmHg

Biometrie změřena. Provedeno foto fundu

Perimetr ODS. bez defektů

Pachymetrie: 528/235, Pentacam v normě

Endotel: 2108/2281, CV 36/36 - v normě

OCT makuly ODS: fov. deprese vytvořena, bez patologie

OCT papily ODS: tloušťka RNFL hodnocena jako fyziologická, stranová symetrie 93%

ODS: klidné, rohovka intaktní, PK střední, čirá, čočka čirá, na f. papila intaktní, s fyziol. exkavací, c.k. bez patologie, sítnice bez lož. změn, leží

Dg ODS Hypermetropia
 Presbyopia
 Sy suchého oka

Pac.obj. na operaci PRELEX:

- 1) oko pravé, čočka Panoptix, cílová refrakce: emetropie
- 2) oko levé, čočka Panoptix, cílová refrakce: emetropie

Záruka na laserovou dokorekci: ano

Muž, 47 let

Pac. se přichází objednat k refrakční operaci

A: HT, HLP, st.p. IM (2017)

Alergie neudává

SA: ekonom

Oční: v předškolním věku nosil brýle, okluzi, šilhal. na základní škole brýle nenosil. Brýle do dálky znovu od 18 let, operace 0, úrazy 0, záněty 0, glaukom 0. Barvocit neporušen, šeroslepost neuvádí.

VnatODS: 0,05/0,05

Vlastní korekce dálka (stará 4 roky) nosí na D i B, se čtením nemá problém

OD +6,25cyl-1,25ax9 VOD 0,5

OS +7,25cyl-0,75ax161 VOS 0,4--

Subj. ref:

OD: +7,50cyl-1,25ax15 VOD: 0,9 RG nelze

OS: +8,50cyl-0,75ax175 VOS: 0,7++ RG nelze

VODS: 1,0-

V blízko s Add +1,50: 0,8/0,5

KT: ortho, KS: plyn, Mot.: volná

Dominance: OD

Worth: alternuje, Schober: není, Stereo: není

Schirmer: 3/5 mm

Amsler OPL: negat. Barvocit: neporušen

Kontrastní citlivost: viz graf KC v papírové dokumentaci

NT ODS: 16,7/19,0 mmHg

Pachymetrie 581/589, Pentacam v normě

OCT makuly: fov. deprese vytvořena, bez patologie

OCT papily: tloušťka RNFL hodnocena jako fyziologická

Endotel: 2239/2267, CV 30/31 - nižší hustota buněk

Biometrie změřena. Provedeno foto fundu

ODS: klidné, rohovka intaktní, na endotelu pigment, PK střední, čirá, čočka čirá, na f. papila intaktní, c.k. bez patologie, sítnice bez lož. změn, leží

Dg ODS: Hypermetropia gravis cum astigmatismo

Presbyopia

Amblyopia, praec. OS

Sy suchého oka

Pac.obj. na operaci RLE:

1) oko levé, čočka monofokální (SN60AT), cílová refrakce: emetropie

2) oko pravé, čočka monofokální, asférická, torická (SN6AT), cílová refrakce: emetropie

Kontrola a předpis brýlí, stp. RLE ODS, subj. bez potíží, amblyopie ametropická

VnatODS: 0,7--/0,6--

NT ODS: 13,7/13,7 mmHg

Subj. ref:

OD: +0,75cyl-0,5 ax145 0,8sl

OS: +0,5cyl-0,5 ax50 0,6

V blízko s Add +2,25: 0,5/0,5

Dominance: OD

Předepsaná korekce: Kancel. multifokál.

F: +0,5/0,0

N: +2,75/+2,25

Adapt ok.

Amsler: neporušen

Barvocit: neporušen

Dg.: ODS: Arterphakia

Amblyopia levis

Sy suchého oka

Dop.: dál kapat umělé slzy 3x denně, rp. brýle do blízka, střední vzdálenost, kancelářské multifokály, kontrola zde za rok

Vstup zadní segment, oční lékařka jí řekla, že má počínající šedý zákal.

A: s ničím se neléčí

Alergie neudává

SA: pracuje v hodinářství jako prodavačka (není hodinář)

Oční: v dětství nosila brýle, pak odložila, znovu korekce do blízka od 45 let, do dálky později, brýle nenosí trvale, Šilhání, tupozrakost neguje. Úraz neguje. Glaukom neuvádí. Barvocit neporušen, šeroslepost neuvádí. Oční lékařka jí řekla, že má počínající šedý zákal.

Vnat ODS: 0,2++/0,4++

VI korekce N, TV

N: +3,5/+3,0

TV: +2,0/+1,75

Subjektivní refrakce:

OD: +3,0cyl -0,75ax 165..... 0,9-- RG: G

OS: +2,25cyl -0,5ax 180..... 0,9 RG: R

V blízko s Add +2,25: 1,0sl/1,0

Ved: OS

Ved: 4; fúze ok, ortho

Předepsaná korekce: žádná - žádné brýle nechce

Barvocit: neporušen

Amsler: OD: neg OS: neg

NT ODS: 11,3/12,3 mmHg

Biometrie změřena. Provedeno foto fundu

Pachymetrie: 515/517, Pentacam v normě

OCT makuly. fov. deprese vytvořena, bez patologie

OCT papily: tloušťka RNFL hodnocena jako fyziologická

Endotel: 2645/2553, CV 39/42

Schirmer: 2/2

Perimetr ODS: bez defektů

ODS: klidné, rohovka intaktní, PK střední, čirá, počínající kortikální katarakta, zornice v mydriáze 7x7, na f. papila intaktní, c.k. s FR, sítnice bez lož. změn, leží

Dg ODS: Cataracta presen corticalis
 Hypermetropia cum astigmatismo
 Presbyopia
 Sy suchého oka



Happy
End