

18th International Conference of the
Research Institute of Ophthalmology

RIO 2026

22 -23 JANUARY 2026
ROYAL MAXIM PALACE KEMPINSKI, CAIRO

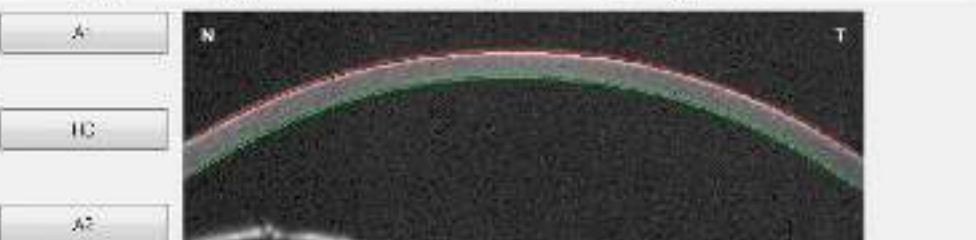
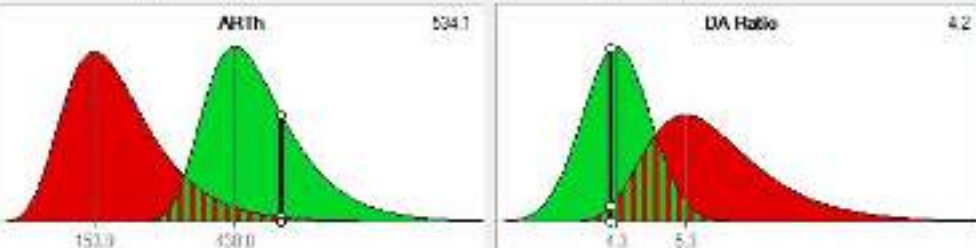
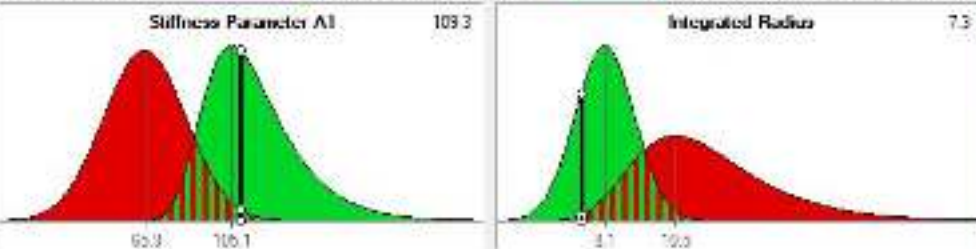
Refractive surgery and KC
Panel discussion



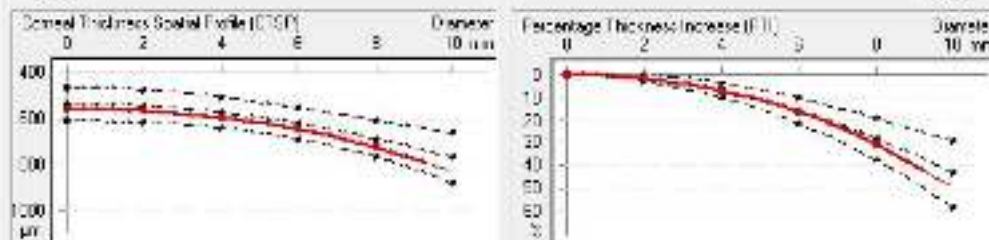
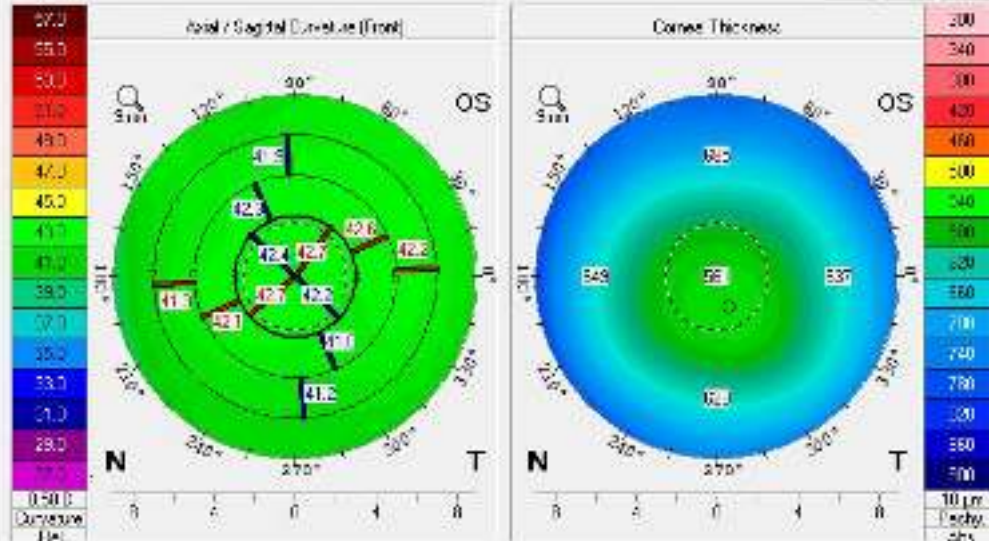
Name: [Redacted] ID: [Redacted] Date of birth: 30.12.1995 Age: 23
 Exam. Date: 13.12.02 Eye: Left (OS) Exam. Date: 20.07.2019 Time: 21.55.55 Eye: Left (OS)
 Info: QS: OK Info: QS: OK

Corvis ST - Biomechanical Assessment

Distributions: ■ NORMAL Population ■ KERATOCONUS Population



Pentacam - Tomographic Assessment

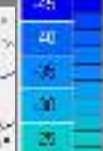


LVC

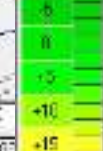
- Surface Ablation
- LASIK
- Keratorefractive lenticule extraction (KLEx)

6216

一	二	三	四	五	六	七	八	九	十	十一	十二	十三	十四	十五	十六	十七	十八	十九	二十	二十一	二十二	二十三	二十四	二十五	二十六	二十七	二十八	二十九	三十	三十一	三十二	三十三	三十四	三十五	三十六	三十七	三十八	三十九	四十	四十一	四十二	四十三	四十四	四十五	四十六	四十七	四十八	四十九	五十
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----



57	15	
"	10	

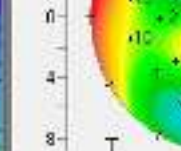


0.4	+6%	
0.3	+6%	
0.2	+6%	



250 nm

	Low-Altitude
mt	Flood



	burn
--	------

--

Exp: 5001/2024

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Age: 23

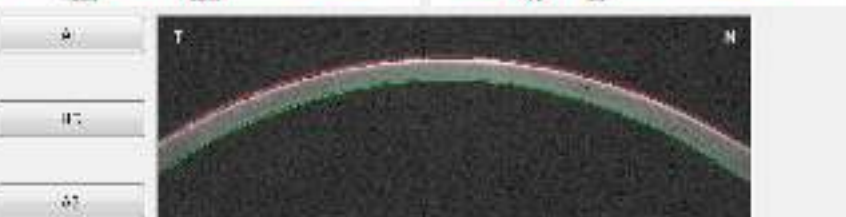
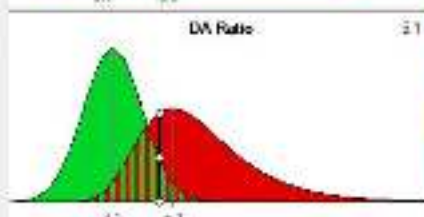
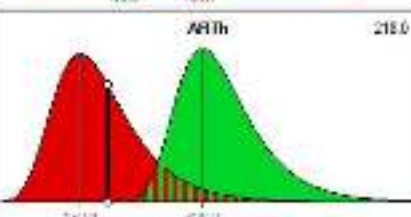
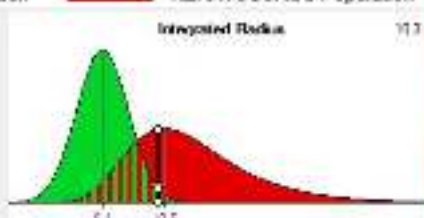
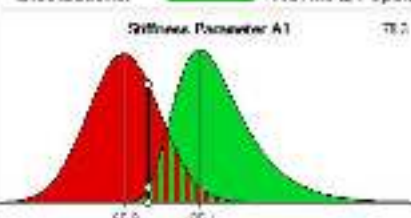
© 2004 Blackwell Publishing Ltd

- Tomo

175

1

Corvis ST - Biomechanical Assessment

Distributions: NORMAL Population KLR10CONUS Population

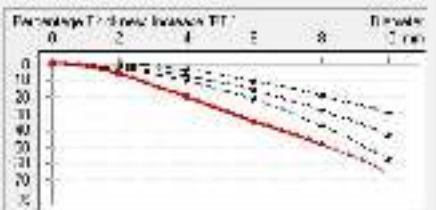
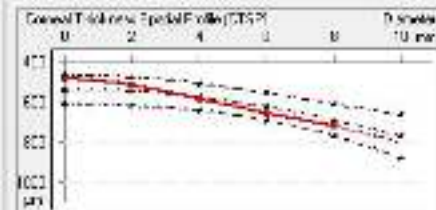
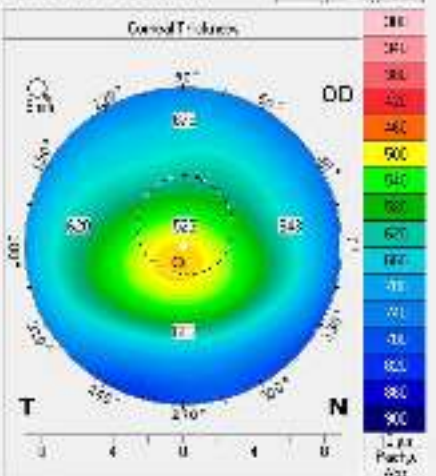
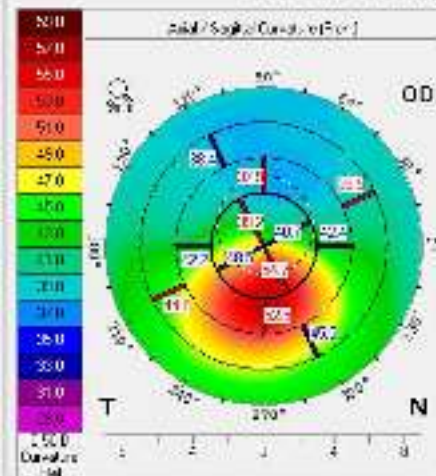
0.00 m JOB: 14.0 m JOB: 13.0 m

CBI  0.98

Oculus Optikgeräte GmbH
Münchholzhäuser Str. 29

35582 Wetzlar

Pentacam - Tomographic Assessment



K _{Na}	55.90	IS Value:	820	PRF.	100	TNC.	NC 3
-----------------	-------	-----------	-----	------	-----	------	------

BAD D  10.39

Tel: (0641) 20 05-0
Fax: (0641) 20 05-255

www.oculus.de



Refraction -6.00 -4.00x180 CDVA 0.2

R10 2026

Treatment Goals

- Improve CDVA
- Stop Progression

R10 2026

Options for treatment

- RGP lens
- CXL
- ICRS
- Phakic IOLs/CLE
- Surface Ablation
- DALK
- PKP
- Combinations

CXL

- Epi On VS Epi Off
- The standard Dresden protocol:
 - $3 \text{ mW/cm}^2 \times 30 \text{ min} = 5.4 \text{ J/cm}^2$
- Accelerated Cxl:
 - $9 \text{ mW/cm}^2 \times 10 \text{ min} = 5.4 \text{ J/cm}^2$
 - $10 \text{ mW/cm}^2 \times 9 \text{ min} = 5.4 \text{ J/cm}^2$
 - $18 \text{ mW/cm}^2 \times 5 \text{ min} = 5.4 \text{ J/cm}^2$
 - $30 \text{ mW/cm}^2 \times 3 \text{ min} = 5.4 \text{ J/cm}^2$
 - $45 \text{ mW/cm}^2 \times 2 \text{ min} = 5.4 \text{ J/cm}^2$
- Different Protocol with higher energy
- Continuous Vs Pulsed

High Myopia

R10 2026

Female patient 19 years old
High Myopia -12 D
Asking for refractive surgery

RIO 2026

OCULUS - PENTACAM 4 Maps Selectable

1.30.04

Last Name:

First Name:

ID:

Date of Birth:

09/06/2005

Eye:

Right

Exam Date:

11/16/2024

Time:

11:00:09

Exam Info:



Cornea Front

Rf: 7.36 mm K1: 45.7 D

Rs: 7.10 mm K2: 47.5 D

Rm: 7.24 mm Kmc: 46.5 D

Q5

OK

Axis (Irel): 164.3° Astig: 1.8 D

Q-val:

-0.25

Rper: 7.44 mm Rmirr: 7.02 mm



Cornea Back

Rf: 6.07 mm K1: -6.5 D

Rs: 5.74 mm K2: -7.0 D

Rm: 5.90 mm Kmc: -6.8 D

Q5

OK

Axis (Irel): 173.8° Astig: 0.4 D

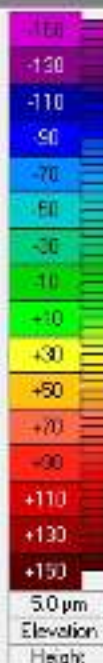
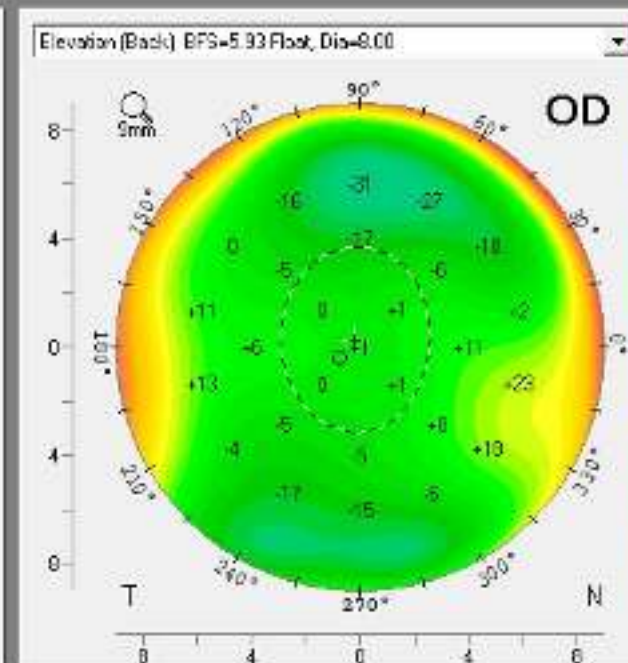
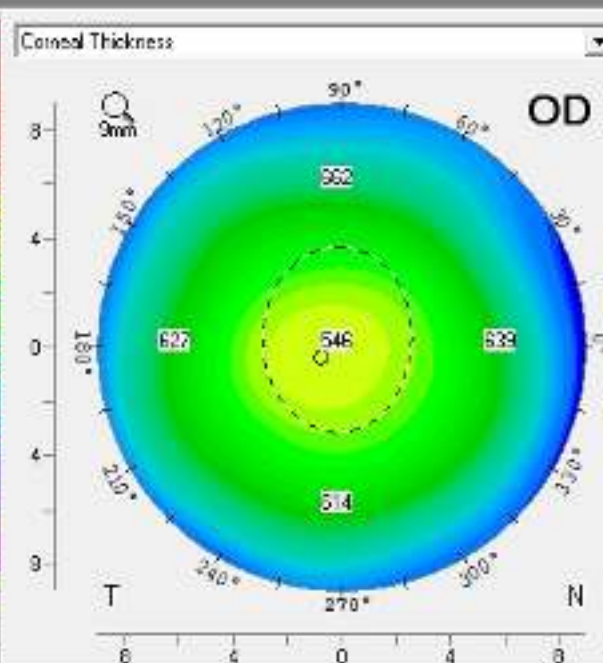
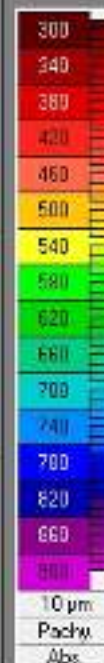
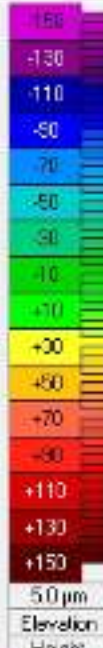
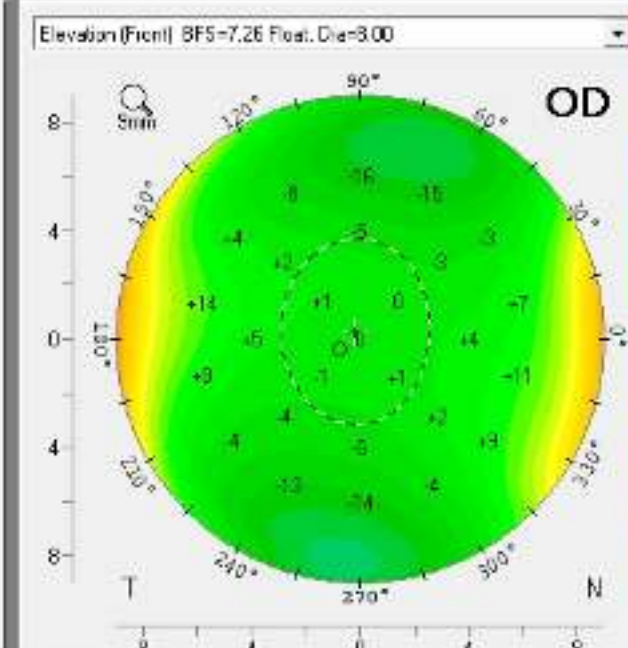
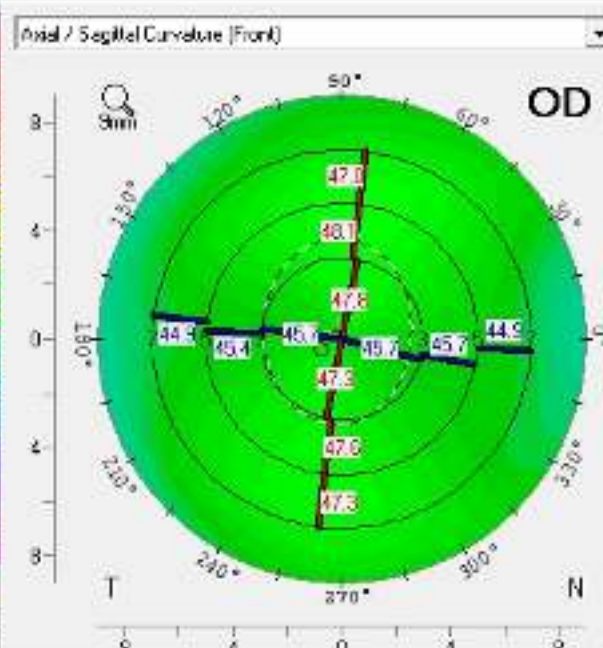
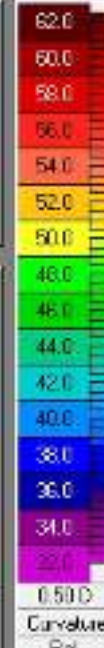
Q-val:

-0.28

Rper: 6.15 mm Rmirr: 5.59 mm

	Pachy:	x(mm)	y(mm)
Pupil Center:	+ 546 µm	0.08	+0.14
Pachy Vertex N:	546 µm	0.00	0.00
Thinnest Locat:	545 µm	-0.38	-0.19
K Max (Front):	48.1 D	+0.38	+2.33

Cornea Volume:	63.3 mm³	HW/TW:	11.3 mm
Chamber Volume:	137 mm³	Angle:	31.9°
A.C. Depth (Int.):	2.46 mm	Pupil Dia:	3.06 mm
Enter IDP: ICPSum:		Lens Th:	



R10

Hyperopia

R10 2026

Last Name:
 First Name:
 ID:
 Date of Birth: 07/04/1992 Eye: Left
 Exam Date: 01/13/2015 Time: 21:06:20
 Exam Info:

Cones Front

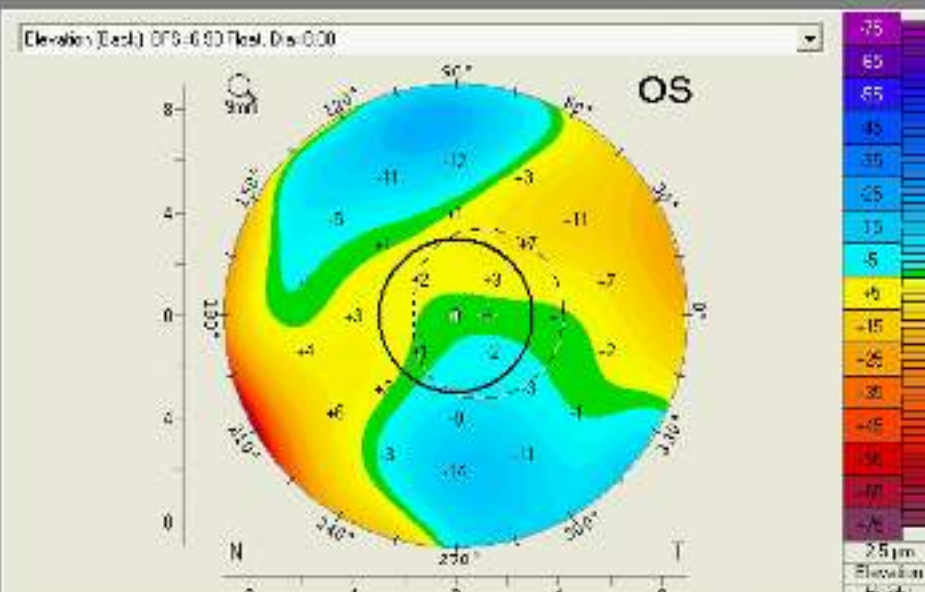
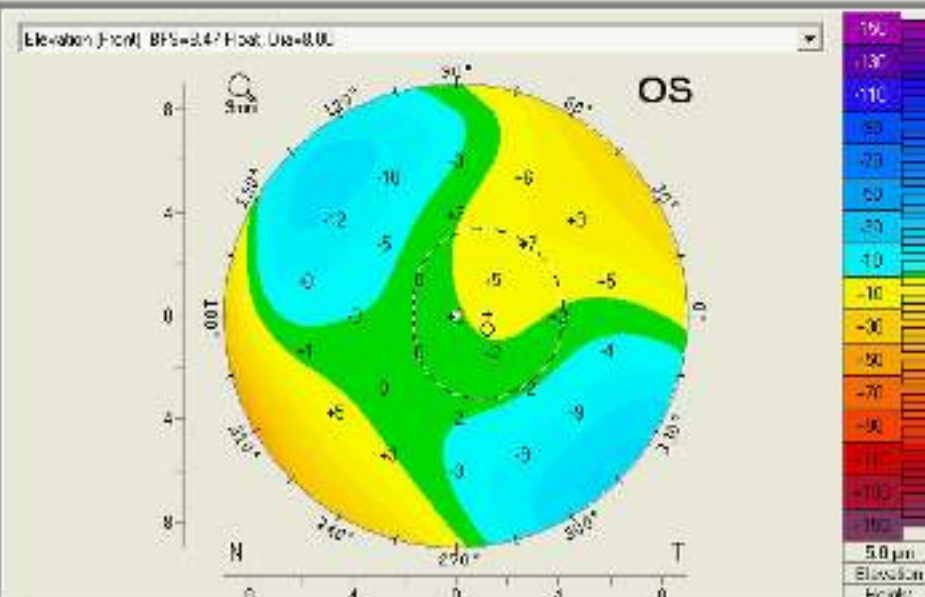
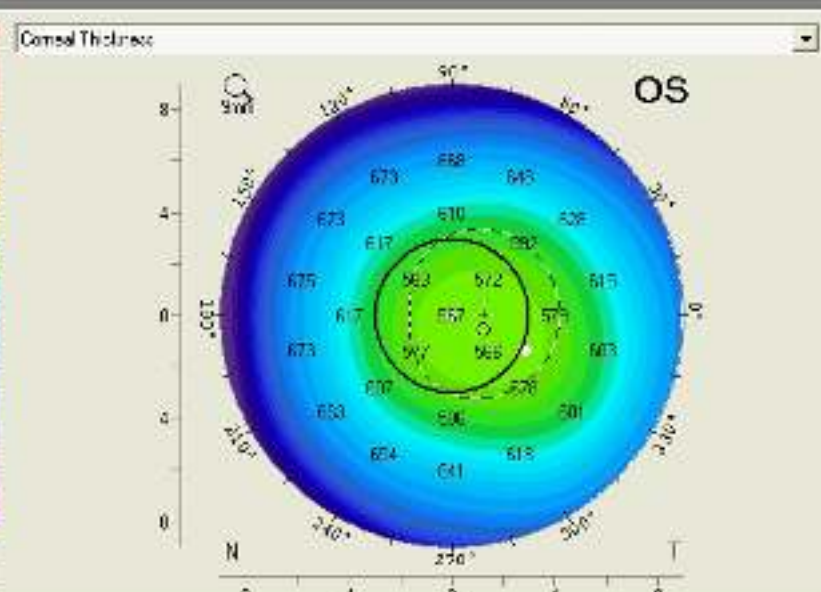
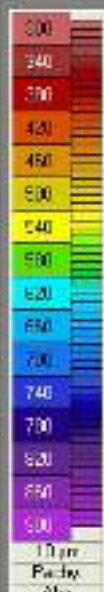
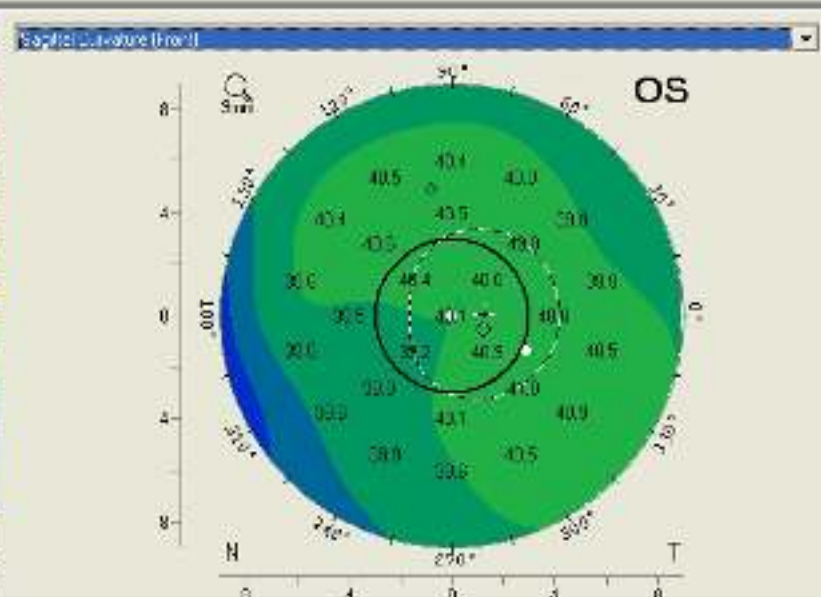
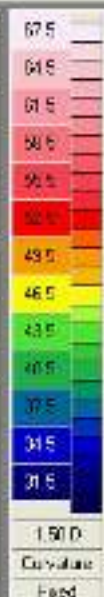
HC: 8.54 mm K1: 39.5 D
 Fix: 8.25 mm K2: 40.7 D
 Fmc: 8.41 mm Km: 43.1 D
 OS: OK Axis: 46.5° Astig: +1.2 D
 Q-val: -0.28 Fcor: 8.64 mm Fmc: 8.20 mm

Cones Back

HC: 7.00 mm K1: 5.7 D
 Fix: 6.81 mm K2: 5.9 D
 Fmc: 6.91 mm Km: 5.8 D
 OS: OK Axis: 26.8° Astig: +0.2 D
 Q-val: -0.19 Fcor: 7.07 mm Fmc: 6.61 mm

Pupil Center: 1 503 μ m x(mm): +0.02 y(mm): -0.00
 Pupil Axis: 567 μ m 0.00 0.70
 Thorax Local: 0 565 μ m x(0.62) 0.27
 K Max (Front): 41.1 D x(1.44) 0.69

Cones Volume: 61.2 mm³ B Cones:
 Overlap Volume: 139 mm³ Angle: 34.7°
 A-C Depth (Int): 2.70 mm Pupil Dia: 3.12 mm
 Extra IOP: (IOP(Sus)) 0.7 mmHg Lens Th:



Female patient 37 years old
Thin Cornea
-2.00 CDVA 1.2

R10 2026

Last Name	25
First Name	70
ID	65
Date of Birth	60
Exam Date	55
Exam Time	50
Exam Time	45
Exam Time	40
Exam Time	35
Exam Time	30
Exam Time	25
Exam Time	20
Exam Time	15
Exam Time	10
Exam Time	5
Exam Time	0
Exam Time	-5
Exam Time	-10
Exam Time	-15
Exam Time	-20
Exam Time	-25
Exam Time	-30
Exam Time	-35
Exam Time	-40
Exam Time	-45
Exam Time	-50
Exam Time	-55
Exam Time	-60
Exam Time	-65
Exam Time	-70
Exam Time	-75
Exam Time	-80
Exam Time	-85
Exam Time	-90
Exam Time	-95
Exam Time	-100
Exam Time	-105
Exam Time	-110
Exam Time	-115
Exam Time	-120
Exam Time	-125
Exam Time	-130
Exam Time	-135
Exam Time	-140
Exam Time	-145
Exam Time	-150
Exam Time	-155
Exam Time	-160
Exam Time	-165
Exam Time	-170
Exam Time	-175
Exam Time	-180
Exam Time	-185
Exam Time	-190
Exam Time	-195
Exam Time	-200
Exam Time	-205
Exam Time	-210
Exam Time	-215
Exam Time	-220
Exam Time	-225
Exam Time	-230
Exam Time	-235
Exam Time	-240
Exam Time	-245
Exam Time	-250
Exam Time	-255
Exam Time	-260
Exam Time	-265
Exam Time	-270
Exam Time	-275
Exam Time	-280
Exam Time	-285
Exam Time	-290
Exam Time	-295
Exam Time	-300
Exam Time	-305
Exam Time	-310
Exam Time	-315
Exam Time	-320
Exam Time	-325
Exam Time	-330
Exam Time	-335
Exam Time	-340
Exam Time	-345
Exam Time	-350
Exam Time	-355
Exam Time	-360
Exam Time	-365
Exam Time	-370
Exam Time	-375
Exam Time	-380
Exam Time	-385
Exam Time	-390
Exam Time	-395
Exam Time	-400
Exam Time	-405
Exam Time	-410
Exam Time	-415
Exam Time	-420
Exam Time	-425
Exam Time	-430
Exam Time	-435
Exam Time	-440
Exam Time	-445
Exam Time	-450
Exam Time	-455
Exam Time	-460
Exam Time	-465
Exam Time	-470
Exam Time	-475
Exam Time	-480
Exam Time	-485
Exam Time	-490
Exam Time	-495
Exam Time	-500
Exam Time	-505
Exam Time	-510
Exam Time	-515
Exam Time	-520
Exam Time	-525
Exam Time	-530
Exam Time	-535
Exam Time	-540
Exam Time	-545
Exam Time	-550
Exam Time	-555
Exam Time	-560
Exam Time	-565
Exam Time	-570
Exam Time	-575
Exam Time	-580
Exam Time	-585
Exam Time	-590
Exam Time	-595
Exam Time	-600
Exam Time	-605
Exam Time	-610
Exam Time	-615
Exam Time	-620
Exam Time	-625
Exam Time	-630
Exam Time	-635
Exam Time	-640
Exam Time	-645
Exam Time	-650
Exam Time	-655
Exam Time	-660
Exam Time	-665
Exam Time	-670
Exam Time	-675
Exam Time	-680
Exam Time	-685
Exam Time	-690
Exam Time	-695
Exam Time	-700
Exam Time	-705
Exam Time	-710
Exam Time	-715
Exam Time	-720
Exam Time	-725
Exam Time	-730
Exam Time	-735
Exam Time	-740
Exam Time	-745
Exam Time	-750
Exam Time	-755
Exam Time	-760
Exam Time	-765
Exam Time	-770
Exam Time	-775
Exam Time	-780
Exam Time	-785
Exam Time	-790
Exam Time	-795
Exam Time	-800
Exam Time	-805
Exam Time	-810
Exam Time	-815
Exam Time	-820
Exam Time	-825
Exam Time	-830
Exam Time	-835
Exam Time	-840
Exam Time	-845
Exam Time	-850
Exam Time	-855
Exam Time	-860
Exam Time	-865
Exam Time	-870
Exam Time	-875
Exam Time	-880
Exam Time	-885
Exam Time	-890
Exam Time	-895
Exam Time	-900
Exam Time	-905
Exam Time	-910
Exam Time	-915
Exam Time	-920
Exam Time	-925
Exam Time	-930
Exam Time	-935
Exam Time	-940
Exam Time	-945
Exam Time	-950
Exam Time	-955
Exam Time	-960
Exam Time	-965
Exam Time	-970
Exam Time	-975
Exam Time	-980
Exam Time	-985
Exam Time	-990
Exam Time	-995
Exam Time	-1000

Last Name	25
First Name	70
ID	65
Date of Birth	60
Exam Date	55
Exam Time	50
Exam Time	45
Exam Time	40
Exam Time	35
Exam Time	30
Exam Time	25
Exam Time	20
Exam Time	15
Exam Time	10
Exam Time	5
Exam Time	0
Exam Time	-5
Exam Time	-10
Exam Time	-15
Exam Time	-20
Exam Time	-25
Exam Time	-30
Exam Time	-35
Exam Time	-40
Exam Time	-45
Exam Time	-50
Exam Time	-55
Exam Time	-60
Exam Time	-65
Exam Time	-70
Exam Time	-75
Exam Time	-80
Exam Time	-85
Exam Time	-90
Exam Time	-95
Exam Time	-100
Exam Time	-105
Exam Time	-110
Exam Time	-115
Exam Time	-120
Exam Time	-125
Exam Time	-130
Exam Time	-135
Exam Time	-140
Exam Time	-145
Exam Time	-150
Exam Time	-155
Exam Time	-160
Exam Time	-165
Exam Time	-170
Exam Time	-175
Exam Time	-180
Exam Time	-185
Exam Time	-190
Exam Time	-195
Exam Time	-200
Exam Time	-205
Exam Time	-210
Exam Time	-215
Exam Time	-220
Exam Time	-225
Exam Time	-230
Exam Time	-235
Exam Time	-240
Exam Time	-245
Exam Time	-250
Exam Time	-255
Exam Time	-260
Exam Time	-265
Exam Time	-270
Exam Time	-275
Exam Time	-280
Exam Time	-285
Exam Time	-290
Exam Time	-295
Exam Time	-300
Exam Time	-305
Exam Time	-310
Exam Time	-315
Exam Time	-320
Exam Time	-325
Exam Time	-330
Exam Time	-335
Exam Time	-340
Exam Time	-345
Exam Time	-350
Exam Time	-355
Exam Time	-360
Exam Time	-365
Exam Time	-370
Exam Time	-375
Exam Time	-380
Exam Time	-385
Exam Time	-390
Exam Time	-395
Exam Time	-400
Exam Time	-405
Exam Time	-410
Exam Time	-415
Exam Time	-420
Exam Time	-425
Exam Time	-430
Exam Time	-435
Exam Time	-440
Exam Time	-445
Exam Time	-450
Exam Time	-455
Exam Time	-460
Exam Time	-465
Exam Time	-470
Exam Time	-475
Exam Time	-480
Exam Time	-485
Exam Time	-490
Exam Time	-495
Exam Time	-500
Exam Time	-505
Exam Time	-510
Exam Time	-515
Exam Time	-520
Exam Time	-525
Exam Time	-530
Exam Time	-535
Exam Time	-540
Exam Time	-545
Exam Time	-550
Exam Time	-555
Exam Time	-560
Exam Time	-565
Exam Time	-570
Exam Time	-575
Exam Time	-580
Exam Time	-585
Exam Time	-590
Exam Time	-595
Exam Time	-600
Exam Time	-605
Exam Time	-610
Exam Time	-615
Exam Time	-620
Exam Time	-625
Exam Time	-630
Exam Time	-635
Exam Time	-640
Exam Time	-645
Exam Time	-650
Exam Time	-655
Exam Time	-660
Exam Time	-665
Exam Time	-670
Exam Time	-675
Exam Time	-680
Exam Time	-685
Exam Time	-690
Exam Time	-695
Exam Time	-700
Exam Time	-705
Exam Time	-710
Exam Time	-715
Exam Time	-720
Exam Time	-725
Exam Time	-730
Exam Time	-735
Exam Time	-740
Exam Time	-745
Exam Time	-750
Exam Time	-755
Exam Time	-760
Exam Time	-765
Exam Time	-770
Exam Time	-775
Exam Time	-780
Exam Time	-785
Exam Time	-790
Exam Time	-795
Exam Time	-800
Exam Time	-805
Exam Time	-810
Exam Time	-815
Exam Time	-820
Exam Time	-825
Exam Time	-830
Exam Time	-835
Exam Time	-840
Exam Time	-845
Exam Time	-850
Exam Time	-855
Exam Time	-860
Exam Time	-865
Exam Time	-870
Exam Time	-875
Exam Time	-880
Exam Time	-885
Exam Time	-890
Exam Time	-895
Exam Time	-900
Exam Time	-905
Exam Time	-910
Exam Time	-915
Exam Time	-920
Exam Time	-925
Exam Time	-930
Exam Time	-935
Exam Time	-940
Exam Time	-945
Exam Time	-950
Exam Time	-955
Exam Time	-960
Exam Time	-965
Exam Time	-970
Exam Time	-975
Exam Time	-980
Exam Time	-985
Exam Time	-990
Exam Time	-995
Exam Time	-1000

Name:

Date of Birth:

Patient ID:

Exam Date:

Exam Time:

QS:

Eye:

Fast Screening Report

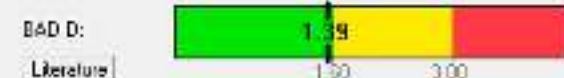
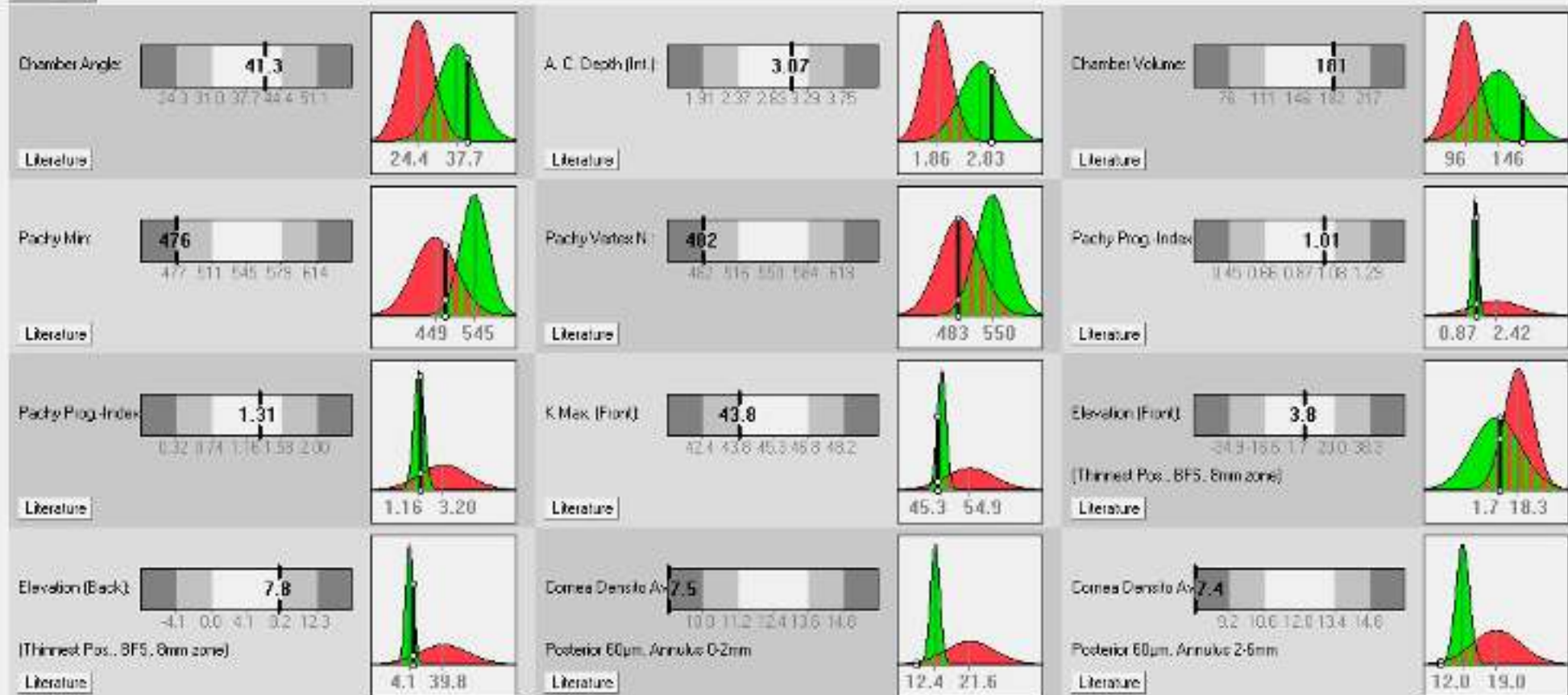
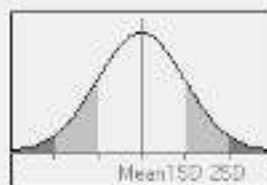
Individual Pentacam measurement values are represented in two different ways to accentuate their position within the distribution of healthy and of pathologic populations. The studies on which the presentation of the particular parameters is based on can be viewed by clicking on <Literature>.

The grey value bar represents the normal distribution of healthy eyes, the stepping is 1 standard deviation.

In the colored diagrams the green curve is again the distribution of the healthy population, the red curve is the distribution of a pathologic population based on the corresponding study.

These indices cannot replace the physician's medical diagnosis. They are only considered as an aid to bring the physician's attention to some displays.

The corresponding Pentacam display(s) which might be helpful for the diagnosis are listed in the Quick Navigation Window.



OCULUS Corvis® ST - Biomechanical/Tomographic Assessment (ARV)

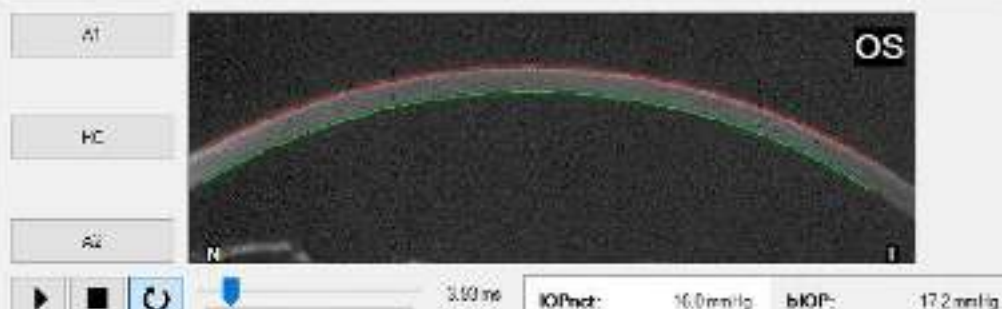
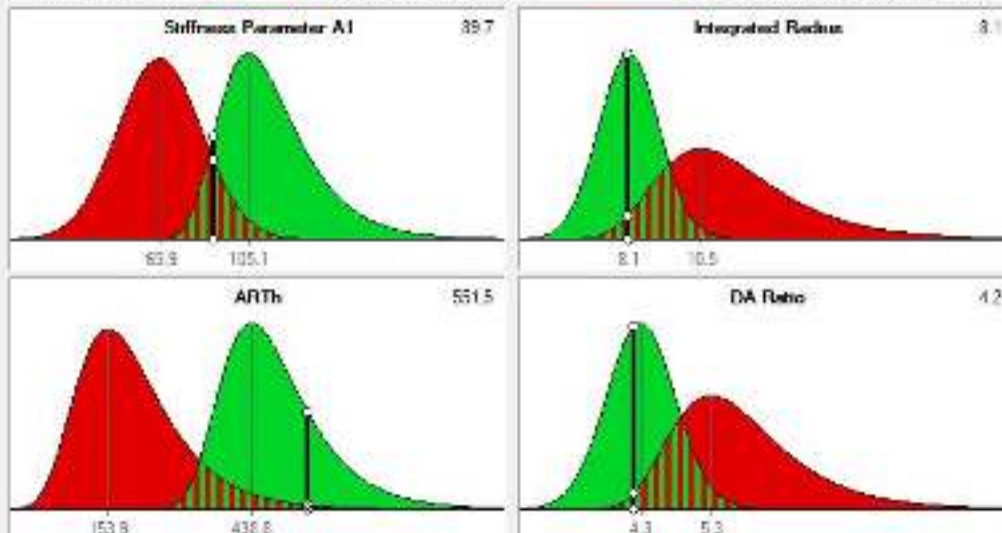
1.7.27.04

Patient Examination Display Report Settings External software

E-Mail AVI JGG

Name: ID: Date of birth: 01.02.1987 Age: 37
 Exam. I: Time: 10:52:02 Eye: Left (OS) Exam. Date: 27.01.2025 Time: 10:48:35 Eye: Left (OS)
 Info: OS: OK Info: OS: OK

Corvis ST - Biomechanical Assessment

Distributions: ☒ NORMAL Population ☐ KERATOCONUS Population

CBI 0.19

Reference: Ethnicity: Global database: Treatment: Units:

TBI 0.24

Oculus Optikgeräte GmbH
Münchholzhäuser Str. 29

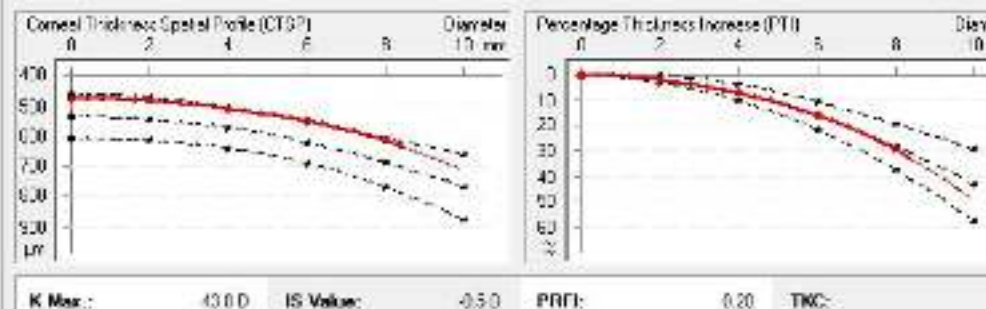
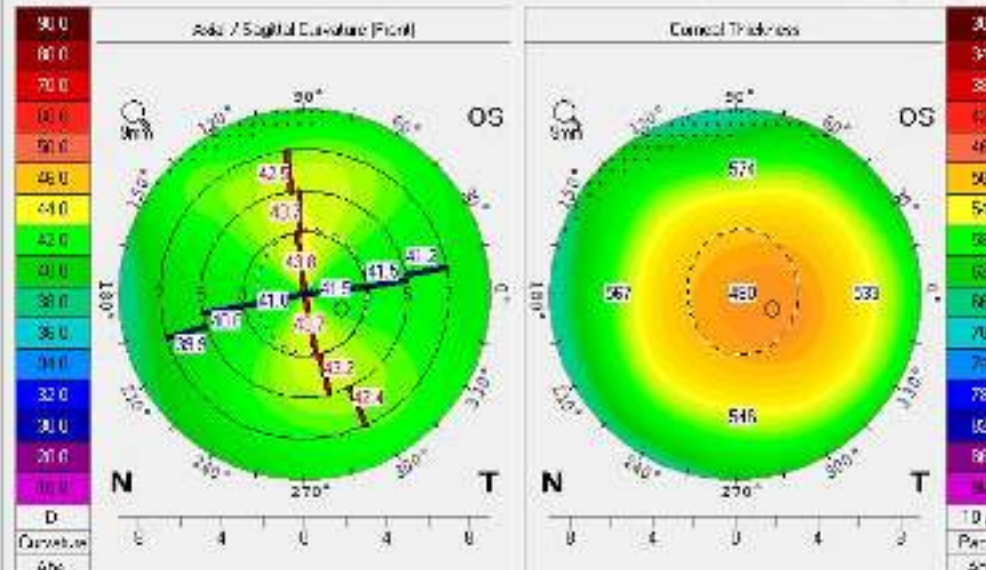
35582 Wetzlar

Tel: (0641) 20 05-0
Fax: (0641) 20 05-255

www.oculus.de



Pentacam - Tomographic Assessment


BAD D 1.39

☒ myopic ☐ hyperopic

Enhancement

R10 2026

OCULUS - PENTACAM 4 Maps Selectable

1.30.04

Last Name:
 First Name:
 ID:
 Date of Birth: 02/27/1992 Eye: Left
 Exam Date: 12/30/2024 Time: 12:25:22
 Exam Info:



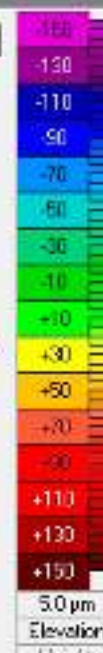
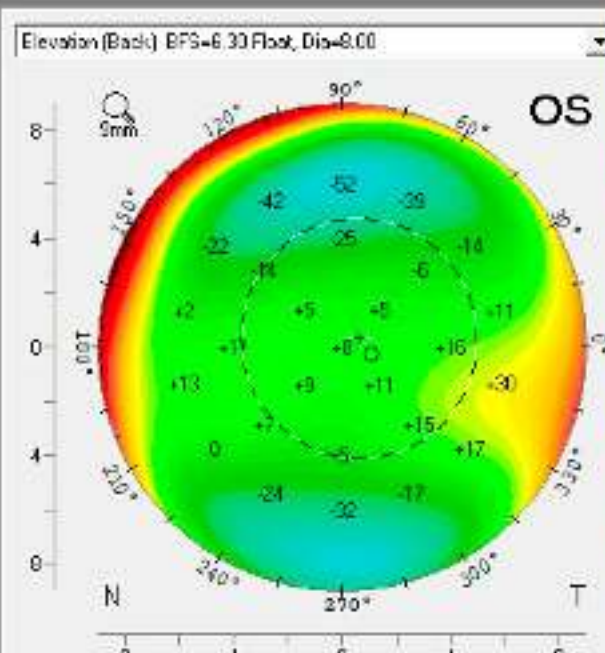
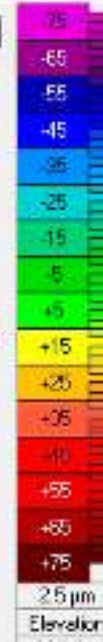
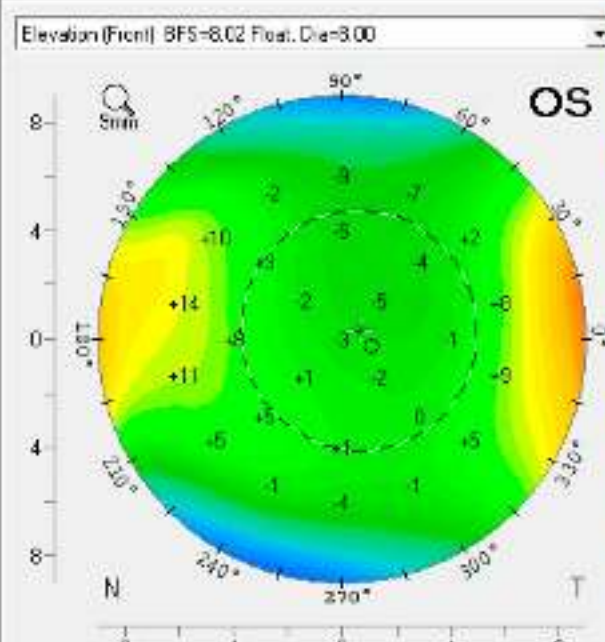
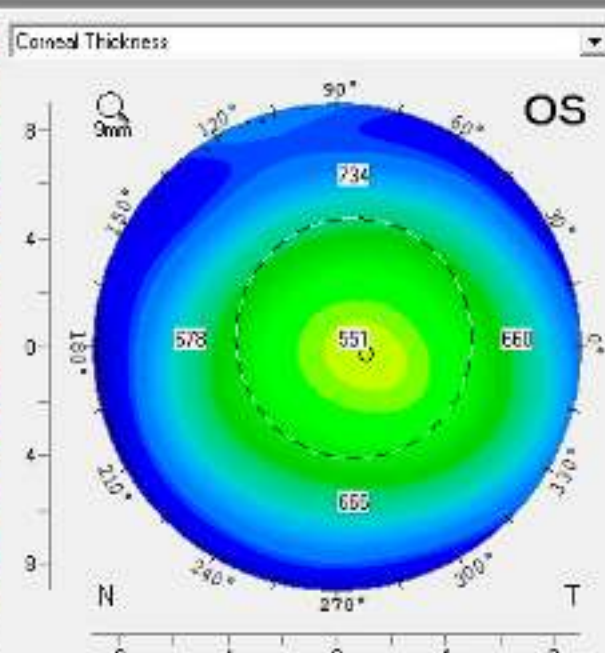
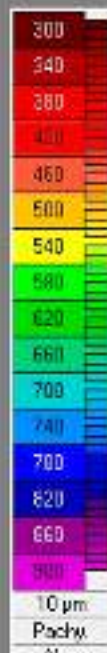
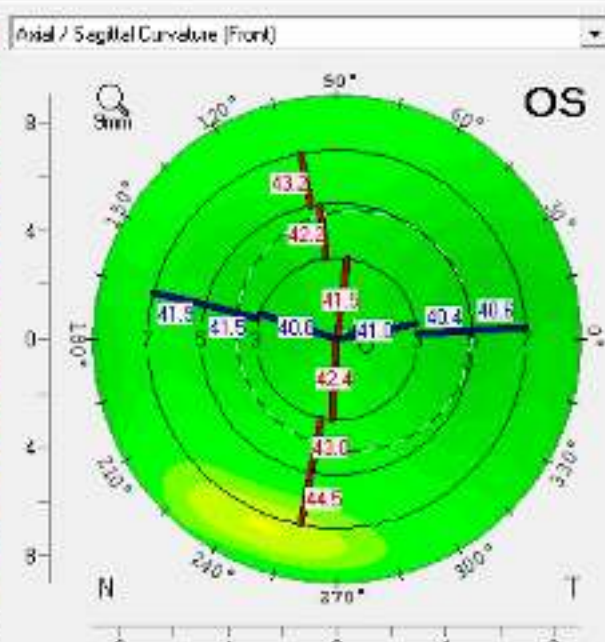
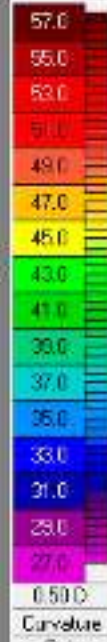
Q5 ☐ OK Axis: 175.4° Astig: 1.0 D
 Q-val: 0.14 Rper: 7.94 mm Rmirr: 7.53 mm



Q5 ☐ OK Axis: 175.1° Astig: 0.6 D
 Q-val: -0.62 Rper: 6.75 mm Rmirr: 5.67 mm

Pachy: x(mm) y(mm)
 Pupil Center: + 551 μ m +0.32 +0.15
 Pachy Vertex N.: - 552 μ m 0.00 0.00
 Thinnest Locat.: O 549 μ m -0.55 -0.14
 K Max (Front): 44.8 D -1.23 -3.50

Cornea Volume: 65.0 mm³ HW/TW: 11.4 mm
 Chamber Volume: 143 mm³ Angle: 27.3°
 A.C. Depth (Int.): 2.77 mm Pupil Dia: 4.38 mm
 Enter IDP: IOP(Sund) Lens Th:

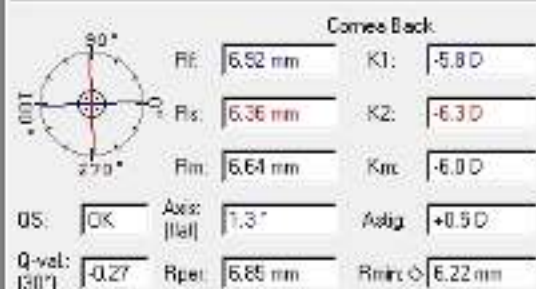


R10

OCULUS - PENTACAM 4 Maps Selectable

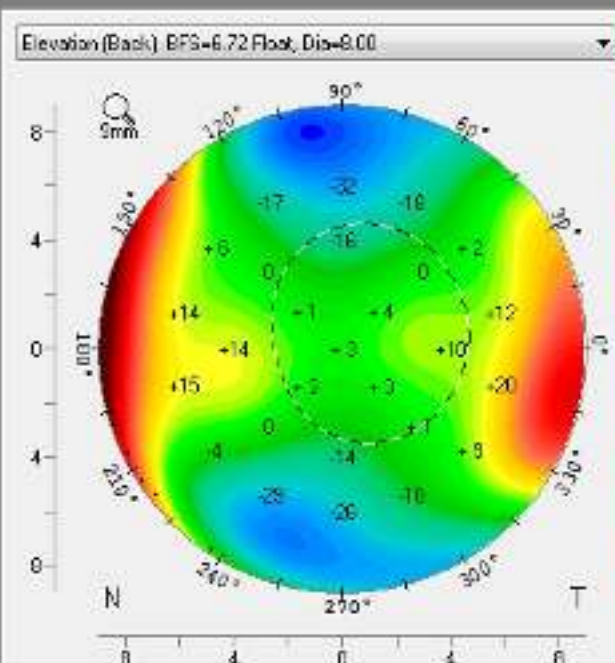
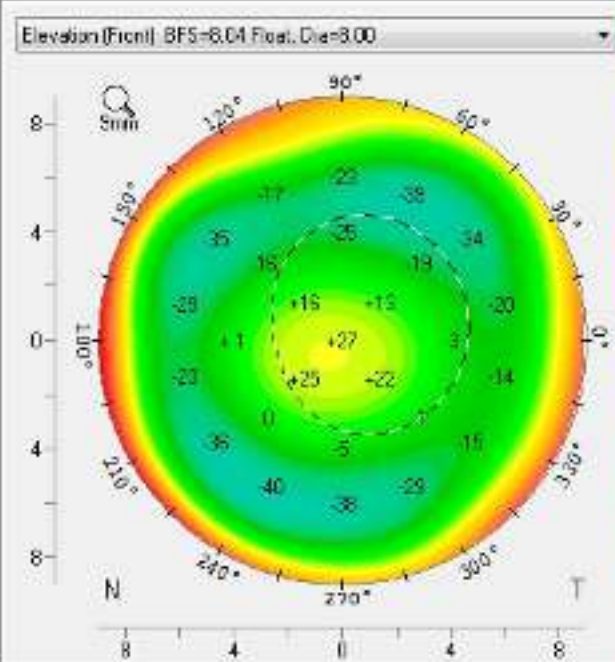
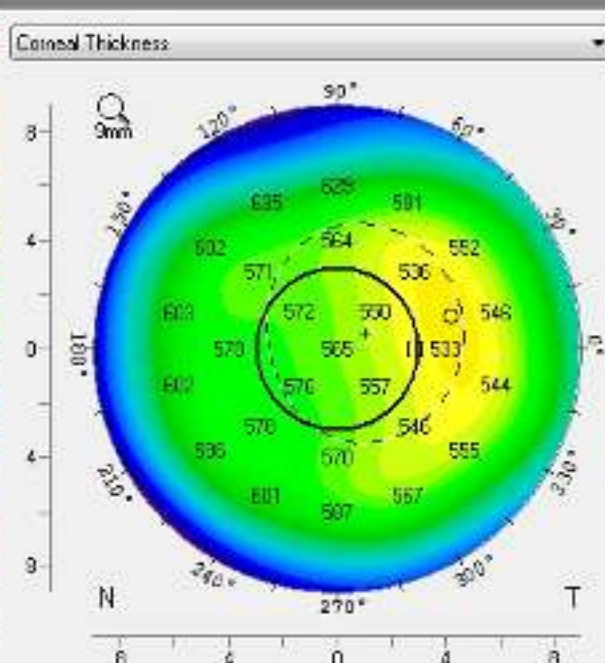
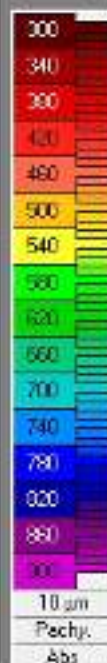
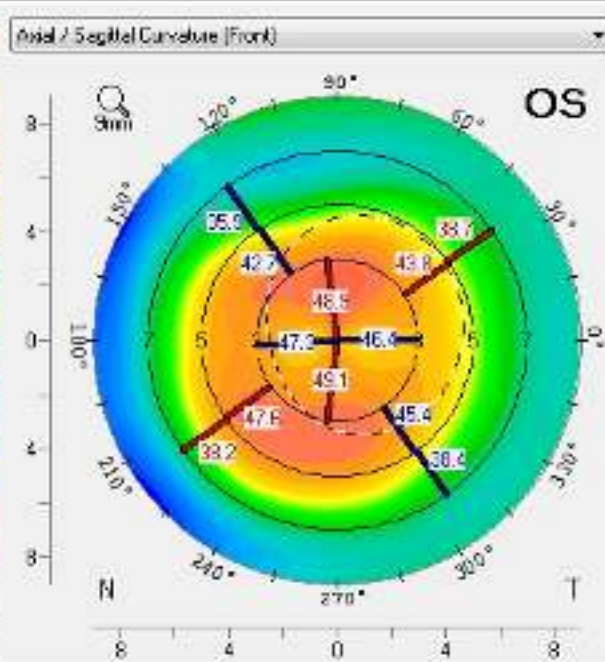
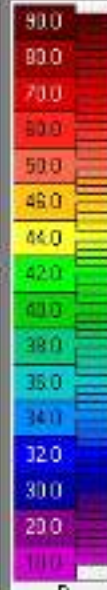
1.22/09

Last Name:
 First Name:
 ID:
 Date of Birth: 02/12/1998 Eye: Left
 Exam Date: 16/10/2021 Time: 20:39:13
 Exam Info:



Pachy:	x(mm)	y(mm)
Pupil Center:	+ 566 µm	+0.52
Pachy Apex:	565 µm	0.00
Thinnest Locat:	531 µm	+2.00
K Max (Front):	50.1 D	+0.07

Cornea Volume:	58.4 mm³	HW/TW:	11.7 mm
Chamber Volume:	201 mm³	Angle:	34.4°
A.C. Depth (Int.):	3.47 mm	Pupil Dia:	3.83 mm
Enter IOP (IOPSim):	-0.6 mmHg	Lens Th:	



R10

Presbyopia

Male patient 48 years old emmetrope
seeking presbyopia correction
Clear crystalline lens

R10 2026

Thank You

R10 2026