

NEURORETINAL MEASUREMENTS ACCORDING TO SEX IN THE Ms20/10 model										
OCT PARAMETERS (μm)	BASELINE		8 w		12 w		18 w		24 w	
	Mean \pm SD	p	Mean \pm SD	p	Mean \pm SD	p	Mean \pm SD	p	Mean \pm SD	p
RETINAL THICKNESS										
CENTRAL	270.00 \pm 10.72	0.86	271.20 \pm 9.13	0.07	250.50 \pm 3.53	0.08	263.50 \pm 3.53	0.99	257.50 \pm 47.37	0.99
	271.67 \pm 14.79		264.86 \pm 12.65		281.00 \pm 8.00		260.33 \pm 13.57		268.75 \pm 6.02	
INNER INFERIOR	259.11 \pm 8.94	0.08	253.80 \pm 5.95	0.27	252.50 \pm 4.95	0.99	248.00 \pm 9.89	0.76	249.00 \pm 21.21	0.64
	255.00 \pm 5.56		253.14 \pm 11.89		249.33 \pm 11.24		243.67 \pm 12.05		246.75 \pm 14.05	
OUTER INFERIOR	248.78 \pm 7.23	0.06	247.20 \pm 8.64	0.32	239.00 \pm 4.24	0.55	234.00 \pm 4.24	0.99	237.50 \pm 13.43	0.64
	244.87 \pm 3.44		245.86 \pm 13.08		239.33 \pm 8.08		234.33 \pm 2.08		232.75 \pm 10.24	
INNER SUPERIOR	254 \pm 8.44	0.23	248.40 \pm 7.71	0.30	232.50 \pm .70	0.08	239.50 \pm 4.70	0.56	249.50 \pm 28.99	0.64
	249.33 \pm 5.49		257.57 \pm 30.01		249.33 \pm 17.61		237.33 \pm 9.29		245.25 \pm 12.28	
OUTER SUPERIOR	251.44 \pm 9.30	0.13	253.83 \pm 7.27	0.12	239.00 \pm 1.41	0.24	237.00 \pm 1.41	0.56	248.50 \pm 19.09	0.99
	249.47 \pm 3.55		256.43 \pm 23.58		248.00 \pm 67.81		239.00 \pm 8.54		249.25 \pm 8.26	
INNER NASAL	256.00 \pm 8.78	0.29	256.20 \pm 7.44	0.05	243.50 \pm .70	0.56	244.00 \pm 2.82	0.56	239.00 \pm 32.52	0.99
	251.53 \pm 7.25		252.14 \pm 17.94		246.67 \pm 13.05		245.00 \pm 10.58		247.75 \pm 5.43	
OUTER NASAL	250.22 \pm 7.05	0.07	253.00 \pm 9.28	0.07	239.50 \pm 6.36	0.99	237.50 \pm 2.12	0.76	239.50 \pm 17.67	0.81

	246.67 ± 4.41		252.43 ± 19.73		244.00 ± 11.53		238.33 ± 7.76		243.25 ± 9.35	
INNER TEMPORAL	254.78 ± 10.88	0.18	251.80 ± 8.29	0.25	242.50 ± 4.95	0.99	242.00 ± 2.82	0.56	258.50 ± 24.74	0.64
	252 ± 7.53		261.29 ± 34.63		245.33 ± 10.69		237.67 ± 6.65		241.75 ± 4.19	
OUTER TEMPORAL	250.56 ± 8.58	0.07	255.40 ± 7.91	0.02	242.50 ± 6.36	0.56	242.50 ± 0.70	0.76	263.00 ± 9.89	0.06
	247.07 ± 4.55		262.29 ± 31.94		248.67 ± 12.66		242.00 ± 4.00		244.50 ± 8.54	
TOTAL VOLUME	1.79 ± 0.05	0.13	1.76 ± 0.07	0.08	1.71 ± 0.02	0.37	1.71 ± 0.01	0.99	1.76 ± 0.15	0.99
	1.77 ± 0.44		1.70 ± 0.02		1.76 ± 0.07		1.70 ± 0.05		1.74 ± 0.04	
RNFL THICKNESS										
GLOBAL	45.89 ± 4.50	0.94	43.20 ± 8.26	0.85	42.50 ± 3.53	0.56	41.00 ± 2.82	0.37	34.50 ± 16.26	0.99
	46.07 ± 4.41		41.67 ± 3.42		45.33 ± 3.21		39.00 ± 3.00		43.00 ± 2.16	
INFERIOR TEMPORAL	45.56 ± 7.09	0.29	43.20 ± 10.12	0.59	42.50 ± 10.60	0.56	35.00 ± 1.41	0.76	38.00 ± 9.89	0.35
	47.47 ± 7.23		42.33 ± 5.06		46.67 ± 5.50		38.00 ± 6.08		48.00 ± 12.96	
INFERIOR NASAL	46.00 ± 5.59	0.49	45.60 ± 5.24	0.31	45.50 ± 4.95	0.08	41.00 ± 2.82	0.76	38.00 ± 2.82	0.16
	47.53 ± 6.60		44.17 ± 5.99		55.33 ± 4.72		39.67 ± 7.57		50.25 ± 11.14	
SUPERIOR TEMPORAL	50.56 ± 9.20	0.67	33.80 ± 12.58	0.05	38.00 ± 12.72	0.56	40.00 ± 5.65	0.37	34.00 ± 22.62	0.64
	48.67 ± 8.15		46.33 ± 5.96		48.00 ± 6.08		35.67 ± 2.51		44.50 ± 6.75	
SUPERIOR NASAL	38 ± 7.79	0.93	31.60 ± 23.35	0.76	37.00 ± 2.82	0.56	34.50 ± 4.95	0.56	27.50 ± 20.50	0.99
	39.60 ± 7.77		33.50 ± 7.24		34.33 ± 4.93		38.33 ± 9.60		30.50 ± 4.72	

NASAL	43.11 ± 7.04	0.78	45.00 ± 7.67	0.19	42.00 ± 7.07	0.76	42.00 ± 1.41	0.56	28.50 ± 19.09	0.16
	43.80 ± 5.33		41.00 ± 3.62		41.67 ± 8.38		39.67 ± 8.14		43.75 ± 4.19	
TEMPORAL	50.67 ± 9.87	0.87	48.40 ± 12.90	0.72	46.50 ± 10.60	0.99	46.00 ± 2.82	0.37	42.50 ± 17.67	0.99
	48.33 ± 7.18		44.33 ± 6.57		47.67 ± 4.16		40.33 ± 6.80		41.50 ± 3.31	
GCL THICKNESS										
CENTRAL	21.89 ± 2.23	0.82	18.60 ± 2.40	0.47	16.50 ± 0.70	0.07	17.50 ± 2.12	0.76	15.00 ± 5.65	0.35
	22.80 ± 2.07		20.00 ± 3.65		21.33 ± 0.57		18.67 ± 3.05		19.00 ± 1.82	
INNER INFERIOR	28.78 ± 1.60	0.02	26.80 ± 3.45	0.34	26.00 ± 2.82	0.76	26.50 ± 2.12	0.19	22.00 ± 5.65	0.47
	28.00 ± 1.41		26.00 ± 2.22		24.67 ± 0.57		24.67 ± 0.57		25.25 ± 1.50	
OUTER INFERIOR	27.89 ± 1.38	0.07	26.60 ± 3.55	0.44	25.00 ± 1.41	0.54	24.50 ± 0.70	0.54	19.50 ± 9.19	0.81
	26.87 ± 1.18		26.57 ± 4.19		24.00 ± 2.00		25.00 ± 1.00		23.50 ± 1.73	
INNER SUPERIOR	27.89 ± 1.97	0.03	19.80 ± 4.50	0.38	22.50 ± 6.36	0.99	22.00 ± 0.00	0.18	18.50 ± 4.95	0.34
	26.40 ± 1.35		23.71 ± 3.91		24.33 ± 2.08		20.67 ± 1.15		22.50 ± 3.31	
OUTER SUPERIOR	26.00 ± 2.25	0.92	21.60 ± 3.93	0.47	24.50 ± 2.12	0.99	24.50 ± .70	0.54	19.50 ± 9.19	0.64
	25.53 ± 2.15		23.71 ± 3.27		24.00 ± 3.60		25.00 ± 1.00		23.25 ± 3.30	
INNER NASAL	27.33 ± 1.87	0.12	21.80 ± 1.78	0.05	23.00 ± 2.82	0.56	24.00 ± 1.41	0.13	17.50 ± 10.60	0.81
	25.80 ± 2.18		23.57 ± 1.63		24.33 ± 2.51		21.67 ± 1.52		23.75 ± 0.95	
OUTER NASAL	27.67 ± 1.29	0.08	24.80 ± 2.48	0.58	25.00 ± 1.41	0.76	25.00 ± 0.00	0.54	18.50 ± 6.36	0.35

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	26.53 ± 1.71		25.00 ± 2.01		24.00 ± 2.64		24.67 ± 1.15		23.00 ± 1.82	
INNER TEMPORAL	27.11 ± 2.37	0.04	21.80 ± 5.19	0.04	24.50 ± .70	0.56	19.00 ± 7.07	0.56	20.50 ± 6.36	0.63
	25.87 ± 1.48		24.00 ± 5.01		23.33 ± 2.51		23.33 ± 2.51		22.00 ± 3.83	
OUTER TEMPORAL	28.00 ± 1.47	0.05	26.00 ± 5.78	0.91	26.50 ± 2.12	0.24	22.00 ± 4.24	0.19	21.50 ± 6.36	0.99
	27.13 ± 1.32		24.57 ± 3.67		23.67 ± 3.05		25.33 ± 0.57		23.00 ± 1.41	
TOTAL VOLUME	0.18 ± 0.01	0.22	0.16 ± 0.01	0.68	0.17 ± 0.01	0.76	0.16 ± 0.00	0.73	0.13 ± 0.04	0.63
	0.18 ± 0.00		0.16 ± 0.01		0.16 ± 0.01		0.16 ± 0.00		0.16 ± 0.01	

Supplementary Table S3: Neuroretinal measurements according to sex in the microsphere model using OCT over 24 weeks of follow-up.

Ms20/10: microsphere 20/10 model; μm : microns; w: week; RNFL: retinal nerve fiber layer; GCL: ganglion cell layer complex; OCT: optical coherence tomography; $p < 0.05$: statistical significance; SD: standard deviation. Up: male; down: female. Cells colored gray if males had lower thickness measurements.