

Supplementary Materials: Novel Use of PLGA Microspheres to Create an Animal Model of Glaucoma with Progressive Neuroretinal Degeneration

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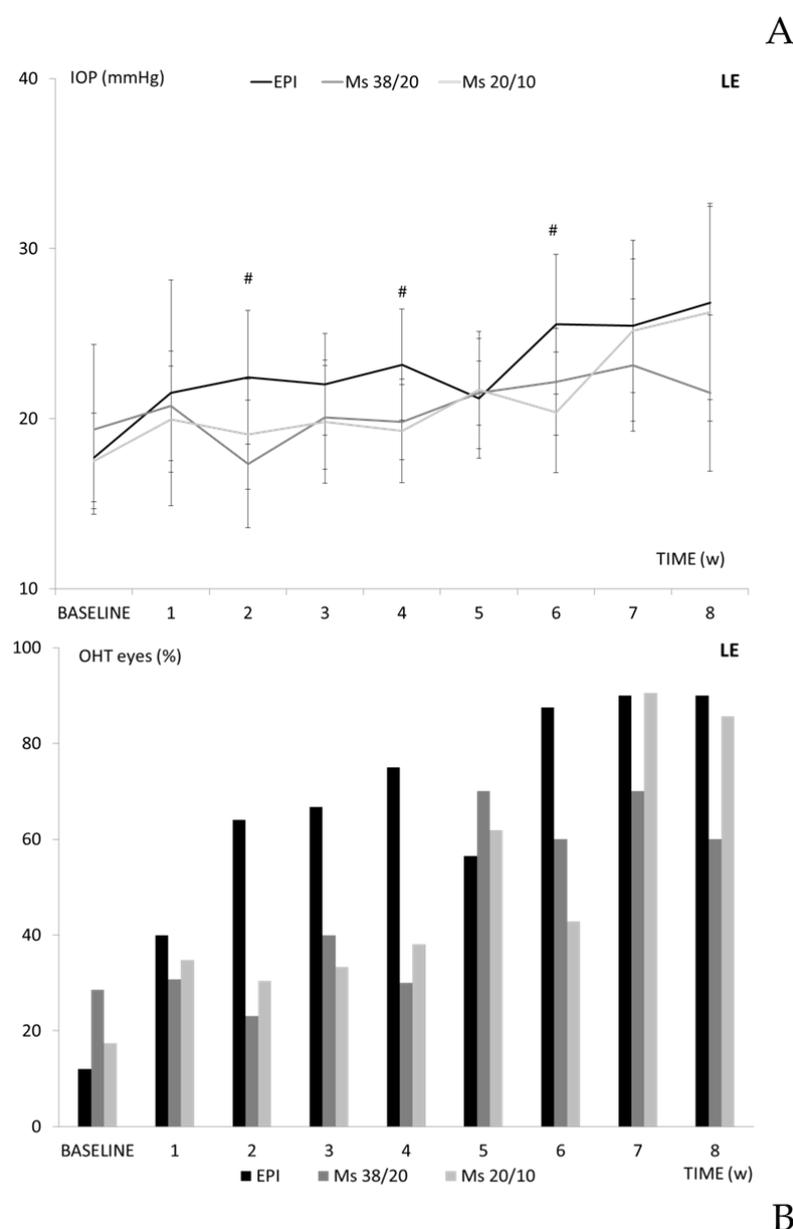


Figure S1. (A) Left eye IOP curve in the OHT models during follow-up. (B) Percentage of OHT left eyes (>20 mmHg) in the three OHT models during follow-up. EPI: episcleral sclerosis model; Ms38/20: 38/20 microsphere model; Ms20/10: 20/10 microsphere model; LE: left eye; IOP: intraocular pressure; w: weeks; OHT: ocular hypertension; (%): percentage; *: statistical significance $p < 0.050$; #: statistical significance $p < 0.020$ for Bonferroni correction for multiple comparisons.

Table S1. Structural neuroretinal analysis using OCT with the Ms38/20 model. Ms38/20: 38/20 microsphere model; RNFL: retina nerve fiber layer; GCL: ganglion cell layer complex; thickness in microns (μm); mean \pm SD (SD: standard deviation); *: $p < 0.050$ statistical significance; #: $p < 0.020$ statistical significance with Bonferroni correction for multiple comparisons. Grey cells show the two thinnest sectors at every examination.

Right eye (Ms38/20)						
OCT parameters (μm)	Baseline Mean \pm SD	2 w Mean \pm SD	4 w Mean \pm SD	6 w Mean \pm SD	8 w Mean \pm SD	p^*
Retinal thickness						
Central	274.63 \pm 13.50	273.41 \pm 16.08	274.90 \pm 15.07	270.44 \pm 24.12	271.00 \pm 16.40	0.441
Inner inferior	268.73 \pm 12.29	263.92 \pm 9.48	269.70 \pm 13.37	263.33 \pm 13.06	259.44 \pm 8.07	0.017 [#]
Outer inferior	265.55 \pm 11.08	261.33 \pm 7.34	264.00 \pm 11.46	256.66 \pm 8.47	253.55 \pm 8.42	0.012 [#]
Inner superior	261.64 \pm 10.23	255.83 \pm 8.41	261.30 \pm 16.82	253.44 \pm 12.84	247.77 \pm 9.53	0.050
Outer superior	270.82 \pm 10.94	264.08 \pm 7.87	267.90 \pm 12.10	261.77 \pm 13.03	258.55 \pm 7.98	0.012 [#]
Inner nasal	265.23 \pm 11.74	262.33 \pm 6.02	262.90 \pm 7.95	259.77 \pm 9.97	255.33 \pm 7.12	0.068
Outer nasal	266.23 \pm 10.04	262.50 \pm 5.36	262.80 \pm 7.36	260.66 \pm 10.07	254.77 \pm 6.64	0.018 [#]
Inner temporal	264.95 \pm 11.12	258.92 \pm 7.65	262.20 \pm 11.96	258.22 \pm 9.32	252.33 \pm 3.60	0.017 [#]
Outer temporal	266.95 \pm 10.34	260.58 \pm 6.33	263.80 \pm 12.70	258.25 \pm 7.24	255.11 \pm 3.44	0.018 [#]
Total volume	1.97 \pm 0.05	1.97 \pm 0.04	1.97 \pm 0.05	1.83 \pm 0.11	1.81 \pm 0.03	0.012 [#]
RNFL thickness						
Global	46.04 \pm 5.65	42.90 \pm 3.41	45.90 \pm 5.19	43.22 \pm 3.30	41.00 \pm 3.95	0.058
Inferior temporal	45.61 \pm 5.08	39.60 \pm 6.04	47.10 \pm 11.29	41.33 \pm 6.00	39.28 \pm 5.93	0.075
Inferior nasal	45.70 \pm 9.10	42.50 \pm 5.56	45.80 \pm 8.89	43.22 \pm 6.75	41.85 \pm 7.24	0.237
Superior temporal	48.48 \pm 11.54	46.90 \pm 11.58	47.10 \pm 9.25	46.11 \pm 10.70	41.42 \pm 11.90	0.674
Superior nasal	45.42 \pm 10.00	44.60 \pm 5.54	42.50 \pm 5.16	46.11 \pm 8.78	42.85 \pm 7.10	0.892
Nasal	44.09 \pm 8.53	39.60 \pm 6.60	44.70 \pm 5.33	39.66 \pm 7.41	37.14 \pm 9.40	0.271
Temporal	43.35 \pm 13.15	45.40 \pm 4.45	47.40 \pm 10.76	45.11 \pm 4.37	43.85 \pm 5.36	0.225
GCL thickness						
Central	20.27 \pm 2.54	21.00 \pm 2.86	19.80 \pm 2.52	18.66 \pm 3.24	16.11 \pm 2.14	0.020 [#]
Inner inferior	28.06 \pm 2.23	26.50 \pm 3.06	25.80 \pm 1.75	22.22 \pm 6.88	24.44 \pm 2.40	0.027
Outer inferior	27.89 \pm 1.37	27.17 \pm 1.89	26.70 \pm 1.33	22.77 \pm 7.99	26.00 \pm 1.50	0.017 [#]
Inner superior	26.50 \pm 1.89	24.17 \pm 4.56	24.20 \pm 3.99	22.22 \pm 3.56	20.44 \pm 3.43	0.028
Outer superior	26.27 \pm 2.86	25.67 \pm 3.28	26.10 \pm 3.57	25.66 \pm 1.93	24.33 \pm 2.50	0.180
Inner nasal	24.68 \pm 4.44	23.00 \pm 4.30	24.60 \pm 2.83	22.33 \pm 3.77	20.89 \pm 3.33	0.141
Outer nasal	25.45 \pm 3.55	24.42 \pm 3.23	26.40 \pm 1.42	24.33 \pm 3.77	24.11 \pm 3.48	0.799
Inner temporal	24.23 \pm 4.93	22.50 \pm 3.45	22.20 \pm 3.19	20.55 \pm 5.41	19.78 \pm 4.65	0.205
Outer temporal	26.50 \pm 3.36	24.33 \pm 2.70	25.20 \pm 2.52	22.75 \pm 5.59	22.33 \pm 3.57	0.049
Total volume	0.18 \pm .01	0.17 \pm 0.01	0.15 \pm 0.01	0.13 \pm 0.05	0.15 \pm 0.01	0.026

Table S2. Left eye neuroretinal analysis using OCT in both microsphere models at week 8. Ms38/20: 38/20 microsphere model, Ms20/10: 20/10 microsphere model; RNFL: retina nerve fiber layer; GCL: ganglion cell layer complex; thickness in microns (μm); mean \pm SD (SD: standard deviation); *: $p < 0.050$ statistical significance; #: $p < 0.020$ statistical significance with Bonferroni correction for multiple comparisons; w: week. Grey cells show the two thinnest sectors at every examination.

OCT parameters (μm)	Left eye					
	(Ms38/20)			(Ms20/10)		
	Baseline Mean \pm SD	8 w Mean \pm SD	p^*	BASELINE Mean \pm SD	8 w Mean \pm SD	p^*
Retinal thickness						
Central	274.81 \pm 12.36	262.22 \pm 13.35	0.051	279.25 \pm 23.01	263.611 \pm 32.95	0.050
Inner inferior	273.73 \pm 8.91	258.22 \pm 8.71	0.008 [#]	270.19 \pm 9.64	255.61 \pm 16.28	0.062
Outer inferior	268.64 \pm 8.62	253.11 \pm 8.97	0.056	265.63 \pm 8.60	250.77 \pm 13.31	0.058
Inner superior	262.36 \pm 7.91	248.33 \pm 8.60	0.021	261.56 \pm 14.01	244.72 \pm 24.70	0.050
Outer superior	272.82 \pm 10.19	259.88 \pm 9.70	0.008 [#]	266.37 \pm 12.88	256.27 \pm 19.34	0.091
Inner nasal	266.73 \pm 10.57	255.66 \pm 10.39	0.038	267.31 \pm 11.74	363.94 \pm 463.53	0.286
Outer nasal	267.64 \pm 8.06	256.44 \pm 9.68	0.011 [#]	265.56 \pm 10.44	252.16 \pm 15.05	0.029
Inner temporal	268.55 \pm 9.49	251.44 \pm 9.74	0.008 [#]	269.19 \pm 11.64	250.22 \pm 21.65	0.050
Outer temporal	269.82 \pm 8.78	255.22 \pm 9.35	0.008 [#]	268.38 \pm 9.61	251.22 \pm 13.88	0.018 [#]
Total volume	1.98 \pm 0.02	1.80 \pm 0.04	0.007 [#]	1.93 \pm 0.07	1.79 \pm 0.12	0.050
RNFL thickness						
Global	46.80 \pm 6.10	40.55 \pm 9.23	0.123	48.18 \pm 6.01	39.94 \pm 4.27	0.008 [#]
Inferior temporal	45.45 \pm 4.86	40.66 \pm 11.07	0.172	48.56 \pm 9.74	40.88 \pm 10.84	0.008 [#]
Inferior nasal	46.27 \pm 8.61	47.88 \pm 16.60	0.161	51.50 \pm 10.69	46.27 \pm 10.35	0.013 [#]
Superior temporal	49.10 \pm 9.80	36.33 \pm 9.39	0.018 [#]	47.31 \pm 13.24	35.33 \pm 17.99	0.041
Superior nasal	44.60 \pm 9.61	38.00 \pm 11.34	0.075	43.68 \pm 13.36	31.61 \pm 16.15	0.050
Nasal	44.64 \pm 9.59	39.88 \pm 12.63	0.235	48.44 \pm 7.00	39.72 \pm 6.30	0.015 [#]
Temporal	45.00 \pm 15.89	41.33 \pm 11.62	0.475	47.37 \pm 14.39	41.44 \pm 11.90	0.007 [#]
GCL thickness						
Central	20.40 \pm 2.50	17.22 \pm 3.49	0.018 [#]	20.80 \pm 3.12	17.44 \pm 4.40	0.040
Inner inferior	28.78 \pm 1.20	25.22 \pm 1.56	0.017 [#]	27.08 \pm 2.53	24.89 \pm 4.54	0.182
Outer inferior	28.30 \pm 1.25	25.67 \pm 1.93	0.020 [#]	26.55 \pm 1.69	24.50 \pm 3.14	0.042
Inner superior	26.90 \pm 1.52	21.33 \pm 2.23	0.017 [#]	25.47 \pm 3.02	20.61 \pm 4.88	0.059
Outer superior	27.00 \pm 2.70	21.67 \pm 2.29	0.011 [#]	26.20 \pm 2.17	23.83 \pm 5.45	0.233
Inner nasal	25.20 \pm 3.93	21.11 \pm 4.34	0.075	21.73 \pm 3.34	22.72 \pm 5.95	0.837
Outer nasal	25.80 \pm 3.52	23.22 \pm 3.66	0.249	23.20 \pm 3.34	23.61 \pm 5.19	0.634
Inner temporal	24.00 \pm 5.20	21.89 \pm 4.07	0.496	22.20 \pm 4.14	20.17 \pm 3.94	0.475
Outer temporal	26.40 \pm 4.14	23.89 \pm 4.07	0.360	24.73 \pm 2.65	22.89 \pm 4.18	0.183

Total volume	0.18 ± 0.01	0.16 ± 0.01	0.027	0.17 ± 0.01	0.15 ± 0.02	0.119
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Table S3. Right eye neuroretinal loss rate measured using OCT in the OHT models. EPI: episcleral sclerosis model; Ms38/20: 38/20 microsphere model; Ms20/10: 20/10 microsphere model; RNFL: retina nerve fiber layer; GCL: ganglion cell layer complex; RE: right eye; thickness in microns (μm); w: week. Grey cells show the lowest measurements.

Time	RE loss rate (μm)/mmHg/day (All sectors average)								
	RNFL			GCL			Retina		
	EPI	Ms38/20	Ms20/10	EPI	Ms38/20	Ms20/10	EPI	Ms38/20	Ms20/10
2 w	0.0743	-0.1595	-0.0454	0.0040	-0.0721	-0.0372	-0.0492	-0.2716	-0.0110
4 w	0.0438	0.0029	-0.0116	0	-0.0100	-0.0030	-0.0601	-0.0170	-0.0268
6 w	-0.0024	-0.0094	-0.0080	-0.0043	-0.0134	-0.0105	-0.0063	-0.0295	-0.0350
8 w	-0.0033	-0.0102	-0.0030	-0.009	-0.0072	-0.0059	-0.0095	-0.0221	-0.0145
Average	0.0281	-0.0440	-0.017	-0.0018	-0.0257	-0.0142	-0.0313	-0.0851	-0.021

Table S4. Right eye neuroretinal analysis follow-up using OCT in both OHT models. EPI: episcleral sclerosis model; Ms20/10: 20/10 microsphere model; RNFL: retina nerve fiber layer; GCL: ganglion cell layer complex; thickness in microns (μm); mean \pm SD (SD: standard deviation); % Ch: percentage change in thickness loss; *: $p < 0.050$ statistical significance; #: $p < 0.020$ statistical significance with Bonferroni correction for multiple comparisons; w: week. Cells colored grey when EPI model showed thinner sectors and/or higher percentage loss compared to Ms20/10.

Right eye structural neuroretinal measurements according to oht models (epivms20/10)														
OCT parameters (μm)	Baseline		2 w			4 w			6 w			8 w		
	Mean \pm SD	<i>p</i>	Mean \pm SD	% Ch	<i>p</i>	Mean \pm SD	% Ch	<i>p</i>	Mean \pm SD	% Ch	<i>p</i>	Mean \pm SD	% Ch	<i>p</i>
Retinal thickness														
Central	273.80 \pm 14.57	0.18 2	271.66 \pm 12.22	-0.7 8	0.72 7	271.33 \pm 21.38	-0.90	0.82 7	265.12 \pm 19.04	-3.17	0.31 5	265.91 \pm 14.79	-2.88	0.12 3
	266.69 \pm 20.06		268.61 \pm 21.20	0.72		265.95 \pm 20.00	-0.27		259.76 \pm 20.88	-2.59		258.10 \pm 14.88	-3.22	
Inner inferior	259.90 \pm 17.17	0.97 5	261.66 \pm 12.74	0.68	0.89 6	260.66 \pm 4.50	0.29	0.72 6	261.68 \pm 10.22	0.68	0.25 6	256.16 \pm 9.18	-1.44	0.25 6
	261.46 \pm 12.86		262.19 \pm 9.99	0.27		260.19 \pm 13.66	-0.48		257.66 \pm 13.18	-1.45		251.78 \pm 11.91	-3.70	
Outer inferior	258.30 \pm 13.59	0.78 0	243.33 \pm 17.61	-5.8 0	0.07 3	244.33 \pm 6.11	-5.41	0.08 0	259.08 \pm 13.82	0.30	0.16 4	246.58 \pm 10.57	-4.54	0.61 2
	258.62 \pm 10.18		258.90 \pm 8.70	0.10		255.29 \pm 12.19	-1.28		252.14 \pm 11.11	-2.50		248.68 \pm 11.75	-3.84	
Inner superior	256.70 \pm 12.38	0.29 1	261.00 \pm 7.21	1.68	0.18 6	244.00 \pm 4.35	-4.95	0.48 5	254.96 \pm 14.92	-0.68	0.04 9	255.00 \pm 24.93	-0.66	0.31 9
	250.77 \pm 12.89		252.60 \pm 14.21	0.72		250.95 \pm 15.77	0.07		246.38 \pm 14.81	-1.75		245.72 \pm 16.93	-2.01	
Outer superior	267.40 \pm 15.02	0.26 3	262.33 \pm 6.50	-1.9 0	0.25 0	245.00 \pm 9.53	-8.38	0.10 5	262.80 \pm 15.22	-1.72	0.04 9	257.66 \pm 18.63	-3.64	0.61 0
	260.23 \pm 9.71		258.32 \pm 11.24	-0.7 3		257.62 \pm 13.51	-1.00		254.00 \pm 13.93	-2.39		254.52 \pm 19.25	-2.19	
Inner nasal	258.10 \pm 12.99	0.90 1	261.00 \pm 8.18	1.12	0.51 2	250.00 \pm 4.58	-3.14	0.27 4	255.40 \pm 14.03	-1.05	0.31 0	256.00 \pm 14.07	-0.81	0.52 9
	257.00 \pm 10.73		256.71 \pm 9.52	-0.1 1		257.48 \pm 13.46	0.18		251.47 \pm 12.83	-2.15		251.84 \pm 12.02	-2.00	
Outer nasal	261.22 \pm 12.42	0.46 2	253.66 \pm 2.51	-2.8 9	0.38 4	244.33 \pm 6.65	-6.47	0.08 8	257.62 \pm 10.87	-1.38	0.10 3	253.50 \pm 15.90	-2.96	0.62 6
	258.15 \pm 8.90		258.10 \pm 9.78	-0.0 1		256.62 \pm 13.72	-0.59		251.23 \pm 14.09	-2.68		252.41 \pm 11.75	-2.22	
Inner temporal	261.00 \pm 15.84	0.84 1	259.00 \pm 3.60	-0.7 7	0.99 9	247.66 \pm 4.61	-5.11	0.35 9	256.00 \pm 16.79	-1.92	0.50 8	256.58 \pm 29.11	-1.69	0.79 2
	259.15 \pm 14.12		257.29 \pm 11.25	-0.7 1		254.71 \pm 14.14	-1.71		252.09 \pm 14.89	-2.72		247.63 \pm 13.63	-4.44	
Outer temporal	261.80 \pm 13.27	0.80 4	253.00 \pm 2.64	-3.3 6	0.23 8	243.33 \pm 7.50	-7.06	0.08 8	263.56 \pm 19.89	0.67 7	0.08 7	258.58 \pm 26.94	-1.23	0.57 0

	291.77 ± 11.56		257.90 ± 10.31	-1.47		255.81 ± 12.46	-2.27		253.95 ± 13.09	-2.98		250.89 ± 14.55	-4.15	
Total volume	1.93 ± 0.09	0.41	1.82 ± 0.00	-5.70	0.00	1.76 ± 0.05	-8.81	0.00	1.83 ± 0.10	-5.18	0.20	1.81 ± 0.11	-6.22	0.59
	1.88 ± 0.10	8	1.92 ± 0.23	2.07	3 [‡]	1.96 ± 0.07	3.78	1 [‡]	1.80 ± 0.09	-4.68	4	1.74 ± 0.15	-7.86	7
RNFL thickness														
Global	43.44 ± 2.69	0.26	47.66 ± 6.35	9.71	0.17	50.66 ± 7.76	16.64	0.14	42.96 ± 4.42	-1.10	0.31	41.45 ± 3.53	-4.58	0.36
	44.84 ± 3.64	7	43.70 ± 4.81	-2.55	9	44.05 ± 6.61	-1.77	8	43.50 ± 6.47	-3.00	1	43.44 ± 9.80	-3.13	7
Inferior temporal	46.20 ± 5.13	0.73	46.00 ± 16.82	-0.43	0.61	42.66 ± 3.21	-7.64	0.63	45.40 ± 10.31	-1.73	0.72	40.36 ± 7.24	-12.64	0.07
	50.54 ± 13.31	2	51.50 ± 15.47	1.89	5	47.47 ± 14.95	-6.07	1	48.11 ± 15.02	-4.80	1	48.94 ± 16.42	-3.16	2
Inferior nasal	45.20 ± 7.99	0.40	52.66 ± 5.77	16.50	0.43	48.66 ± 1.52	7.68	0.88	46.96 ± 8.76	3.89	0.78	45.45 ± 5.57	0.55	0.29
	49.15 ± 11.43	0	48.00 ± 17.56	-2.33	7	49.00 ± 14.78	-0.30	6	47.33 ± 11.14	-3.70	6	49.05	-0.20	0
Superior temporal	44.89 ± 10.56	0.99	54.66 ± 9.23	21.76	0.02	62.66 ± 14.74	39.61	0.04	38.75 ± 15.03	-13.68	0.46	43.72 ± 11.84	-2.61	0.49
	42.46 ± 8.05	9	39.37 ± 10.58	-7.27	7	42.47 ± 10.99	0.02	4	42.61 ± 12.53	0.35	9	40.33 ± 13.88	-5.01	9
Superior nasal	41.44 ± 4.06	0.94	44.66 ± 7.23	7.77	0.20	56.00 ± 20.07	35.14	0.15	33.36 ± 13.67	-19.50	0.10	36.00 ± 14.58	-13.13	0.71
	39.23 ± 13.08	7	36.75 ± 11.84	-6.32	1	39.47 ± 15.67	0.60	0	39.88 ± 15.05	1.65	7	35.88 ± 17.52	-8.54	9
Nasal	39.30 ± 6.68	0.32	46.66 ± 5.03	18.73	0.11	43.66 ± 2.30	11.12	0.36	43.76 ± 7.82	11.35	0.00	41.81 ± 3.40	6.39	0.21
	43.31 ± 9.18	0	39.35 ± 10.40	-9.14	9	40.42 ± 9.92	-6.67	3	38.33 ± 8.87	-11.49	4 [‡]	39.94 ± 16.86	-7.78	5
Temporal	42 ± 10.89	0.70	43.66 ± 8.02	3.98	0.46	53.00 ± 15.71	26.19	0.63	45.32 ± 10.50	7.90	0.48	41.18 ± 7.11	-1.95	0.17
	45.54 ± 6.72	9	47.20 ± 7.45	3.64	4	46.42 ± 7.64	1.93	1	46.44 ± 8.43	1.97	2	46.94 ± 13.43	3.07	0
GCL thickness														
Central	20.50 ± 2.66	0.32	22.00 ± 3.00	7.32	0.04	20.66 ± 1.52	0.78	0.45	17.76 ± 3.19	-13.37	0.88	18.92 ± 3.47	-7.71	0.00
	19.16 ± 3.48	1	18.52 ± 2.46	-3.35	0	19.61 ± 3.00	2.31	5	17.71 ± 3.13	-7.60	5	15.68 ± 2.23	-18.19	9 [‡]
Inner inferior	26.50 ± 3.78	0.87	24.00 ± 3.00	-9.43	0.30	25.66 ± 0.57	-3.17	0.56	23.48 ± 4.23	-11.40	0.54	26.25 ± 2.05	-0.94	0.00
	26.44 ± 3.04	7	25.71 ± 2.17	-2.76	9	26.33 ± 1.65	-0.41	0	24.42 ± 2.87	-7.63	8	22.21 ± 4.32	-15.99	1 [‡]

Outer inferior	27.40 ± 1.67	0.59 6	26.00 ± 2.64	-5.1 1	0.62 7	24.66 ± 2.08	-10.0 0	0.17 0	24.48 ± 4.31	-10.6 6	0.69 7	26.25 ± 3.59	-4.20 7	0.27 6
	26.25 ± 2.25		25.43 ± 2.73	-3.1 2		26.57 ± 2.18	1.21		25.66 ± 2.30	-2.24		22.74 ± 5.68	-13.3 7	
Inner superior	26.17 ± 2.63	0.57 0	26.33 ± 2.30	0.61	0.11 9	23.00 ± 1.73	-12.1 1	0.50 8	22.84 ± 3.28	-12.7 2	0.38 0	22.42 ± 4.18	-14.3 3	0.07 9
	25.25 ± 2.17		22.80 ± 3.59	-9.7 0		23.80 ± 3.40	-5.74		21.71 ± 3.73	-14.0 1		20.06 ± 3.88	-20.5 5	
Outer superior	25.50 ± 3.93	0.66 9	26.33 ± 2.30	3.25	0.52 4	23.00 ± 3.46	-9.80	0.18 6	25.04 ± 2.74	-1.80	0.41 7	23.50 ± 3.89	-7.84	0.75 4
	26.33 ± 2.27		25.37 ± 1.89	-3.6 4		25.57 ± 2.27	-2.88		24.80 ± 2.69	-5.81		22.71 ± 5.12	-13.7 4	
Inner nasal	23.83 ± 4.35	0.70 6	24.00 ± 1.00	0.71	0.23 5	20.66 ± 4.04	-13.3 0	0.23 3	21.88 ± 4.98	-8.18	0.72 3	23.50 ± 1.78	-1.38	0.03 4
	23.25 ± 2.83		21.95 ± 3.41	-5.5 9		22.61 ± 3.35	-2.75		21.71 ± 4.06	-6.62		20.21 ± 4.45	-13.0 7	
Outer nasal	23.67 ± 4.13	0.18 2	26.33 ± 0.57	11.2 4	0.12 9	24.00 ± 3.00	1.39	0.62 6	23.79 ± 5.25	0.51	0.29 9	25.50 ± 1.62	7.73	0.14 0
	25.75 ± 2.05		23.60 ± 3.88	-8.3 4		24.71 ± 2.55	-4.03		23.19 ± 4.30	-9.94		22.76 ± 5.19	-11.6 1	
Inner temporal	21.67 ± 5.50	0.96 3	23.33 ± 2.51	7.66	0.27 1	23.33 ± 2.88	7.66	0.56 6	21.40 ± 4.76	-1.25	0.20 7	23.50 ± 4.70	8.44	0.01 8 [†]
	21.83 ± 5.00		21.10 ± 3.41	-3.3 4		22.71 ± 3.75	4.03		20.00 ± 3.80	-8.38		19.68 ± 3.74	-9.84	
Outer temporal	25.17 ± 3.97	0.92 5	24.66 ± 2.51	-1.9 9	0.82 6	24.66 ± 2.88	-2.03	0.62 8	24.64 ± 4.56	-2.11	0.08 3	25.42 ± 3.47	0.99	0.14 7
	24.75 ± 3.74		23.76 ± 3.72	-4.0 0		24.95 ± 3.33	0.80		23.19 ± 3.85	-6.30		23.26 ± 4.70	-6.02	
Total volume	0.17 ± 0.02	0.94 2	0.17 ± 0.00	0.00	0.36 3	0.16 ± 0.01	-5.88	0.67 0	0.13 ± 0.07	-23.5 3	0.78 7	0.15 ± 0.04	-11.7 6	0.07 6
	0.17 ± 0.02		0.16 ± 0.01	-5.5 5		0.17 ± 0.01	-1.67		0.15 ± 0.03	-13.2 4		0.14 ± 0.02	-19.0 2	