

Supplemental Digital Content 5. The complete set of all measurements results of each subtype

Index	Class I																						Class II			Class III a			Class III b			Class III c		D-value
	bicoronal		control		Rank Test	pansynostosis		control		Rank Test	unicoronal+metopic		control		Rank Test	sagittal+lambdoidal		control		Rank Test	others	control												
	AVE	STD	AVE	STD	p	AVE	STD	AVE	STD	p	AVE	STD	AVE	STD	p	AVE	STD	AVE	STD	p	AVE	AVE												
<b>Cranial base</b>																																		
<b>Inner linear measurements</b>																																		
ACF	19.97	6.29	11.58	2.71	<0.001**	26.72	4.31	16.91	4.30	<0.001**	25.05	6.24	12.90	3.49	0.010*	33.45	3.82	18.73	4.19	0.005**	23.77	10.15	13.62											
N-BA	64.73	10.99	73.58	10.49	0.012*	82.44	6.76	93.13	11.07	0.053	76.60	8.05	84.81	5.90	0.203	87.82	1.42	98.24	7.47	0.005**	71.68	80.70	-9.01											
N-S	43.16	7.81	49.37	7.54	0.012*	56.72	4.00	61.57	8.60	0.385	54.59	5.31	57.63	4.17	0.498	63.64	1.61	65.60	3.08	0.291	48.30	54.70	-6.40											
N-ES	28.62	4.36	32.17	4.79	0.022*	38.29	4.19	39.96	5.08	0.682	36.66	7.17	36.91	2.66	0.426	36.80	0.68	41.93	3.64	0.060	32.48	36.58	-4.10											
S-BA	26.79	3.99	30.89	4.47	0.005**	31.65	4.54	40.63	5.93	0.013*	31.44	4.66	35.62	2.27	0.039*	37.51	0.98	43.06	5.72	0.060	31.07	34.57	-3.50											
S-SO	12.71	3.43	15.98	3.58	0.005**	15.47	1.81	22.00	5.08	0.002**	16.29	2.56	19.56	1.94	0.039*	21.08	1.39	23.19	1.49	0.060	15.57	18.19	-2.63											
SO-BA	17.10	2.13	18.30	1.95	0.070	17.31	2.10	22.92	3.34	0.001**	19.87	3.13	19.97	1.85	0.912	22.31	2.67	24.56	4.77	0.769	18.96	19.32	-0.36											
BA-OP	28.88	4.65	30.05	4.10	0.360	35.38	3.67	33.17	2.89	0.388	30.17	1.61	33.19	3.02	0.121	38.60	0.90	35.88	0.90	0.012*	35.47	31.66	3.81											
SO-ES	22.55	4.99	26.80	5.31	0.010*	28.76	3.53	34.83	6.37	0.083	25.56	0.20	31.71	3.03	0.002**	32.99	2.66	36.15	2.19	0.126	24.29	28.50	-4.21											
S-ES	15.16	3.80	17.61	4.01	0.028*	18.57	1.93	22.59	4.57	0.032*	18.06	1.93	21.48	2.64	0.056	29.93	5.80	23.61	2.05	0.060	15.96	18.21	-2.26											
<b>Inner angular measurements</b>																																		
greater wing	108.98	10.84	95.81	10.34	0.001**	118.04	7.58	89.79	6.22	<0.001**	107.51	5.10	90.77	6.93	0.002**	102.52	7.25	88.86	5.26	0.011*	106.58	92.82	13.76											
PPR-S-PPL	66.65	6.76	66.83	6.19	0.594	72.79	6.12	66.63	4.55	0.083*	67.26	6.62	62.86	4.41	0.250	72.67	1.04	62.02	4.79	0.005**	70.97	62.57	8.41											
N-S-BA	134.58	10.14	131.85	5.68	0.201	140.87	6.99	128.72	4.63	0.001**	123.73	2.40	128.11	4.78	0.130	118.27	5.09	129.06	4.64	0.005**	127.75	127.96	-0.22											
N-S-SO	106.01	10.49	103.86	7.24	0.566	117.98	14.94	103.42	5.38	0.032*	91.00	3.63	102.29	5.89	0.017*	87.11	1.03	103.21	5.21	0.005**	99.98	104.32	-4.34											
N-SO-BA	166.98	15.09	171.46	4.17	0.645	172.26	4.62	170.21	6.87	0.616	166.01	1.27	170.31	6.64	0.250	165.76	2.94	170.99	6.98	0.368	165.90	166.51	-0.61											
S-SO-BA	130.42	11.86	127.95	6.65	0.878	136.82	13.65	130.39	8.79	0.750	120.76	3.44	128.54	7.62	0.100	119.58	2.43	129.00	7.84	0.060	128.92	134.25	-5.33											
BA-S-ES	138.99	12.66	134.97	8.76	0.282	139.03	9.39	127.76	6.84	0.024*	128.27	1.26	127.09	6.93	0.824	116.82	3.10	126.87	4.97	0.011*	128.10	127.02	1.08											
<b>External linear measurements</b>																																		
N-PNS	34.35	9.84	44.45	8.42	0.001**	58.78	8.58	61.06	9.91	0.820	49.93	7.17	53.12	5.42	0.654	50.97	2.17	65.49	6.27	0.005**	48.44	49.43	-0.98											
BA-PNS	34.75	9.05	34.27	4.13	0.881	31.18	5.83	40.92	4.66	0.003**	29.20	0.68	38.57	2.96	0.002**	41.58	2.49	41.42	3.20	0.885	24.52	37.09	-12.58											
ES-PNS	20.91	5.93	27.16	5.44	0.006**	31.17	6.81	39.40	9.74	0.102*	28.09	3.85	32.35	4.06	0.130	31.11	2.50	40.72	5.41	0.022	25.19	30.16	-4.97											
S-PNS	24.94	5.50	29.59	6.11	0.088	29.33	5.94	41.58	8.21	0.007**	28.36	2.57	36.16	3.90	0.002**	39.47	2.93	42.61	4.59	0.225	22.88	34.27	-11.39											
S-ANS	46.31	8.41	57.86	9.01	<0.001**	59.95	6.96	75.28	11.44	0.003**	59.04	5.64	67.61	6.03	0.056	65.93	1.31	79.30	5.77	0.005**	48.92	63.84	-14.93											
BA-ANS	57.32	9.75	70.34	8.88	<0.001**	72.57	9.07	87.89	11.30	0.013*	65.56	5.66	79.84	5.75	0.002**	72.04	3.61	92.59	7.63	0.005**	59.09	76.30	-17.22											
S-ARR/L	35.72	6.92	40.68	5.23	0.015*	44.89	6.27	48.84	4.78	0.213	42.08	3.92	45.51	3.83	0.250	49.69	4.47	52.04	4.16	0.368	40.28	42.99	-2.71											
<b>Craniofacial relationship</b>																																		
<b>Based on Sella-Nasion plane</b>																																		
SN/FH	6.53	7.55	4.87	2.81	0.013	16.22	3.87	8.01	3.90	0.001**	6.81	1.90	5.71	3.21	0.574	3.77	2.12	7.73	2.93	0.022*	12.58	3.78	8.80											
SN/Mx	14.71	5.89	5.61	4.28	<0.001**	14.81	7.06	6.75	3.10	0.003**	14.89	2.32	5.05	3.60	0.002**	11.09	5.56	6.00	2.84	0.225	9.51	3.58	5.93											
SN/Occ	16.30	5.03	15.26	5.87	0.661	20.38	2.31	18.04	5.70	0.553	24.91	5.03	15.57	6.52	0.056	16.20	4.40	12.93	4.87	0.368	10.28	16.82	-6.54											
SN/MP	31.96	7.53	29.50	6.41	0.300	53.66	3.77	34.34	4.93	<0.001**	49.38	5.32	32.76	4.59	0.005**	40.13	9.26	32.44	5.57	0.225	42.56	30.07	12.49											
SN/MRP	78.93	12.44	72.86	6.70	0.040*	98.76	3.55	85.79	8.15	0.002**	87.49	9.13	78.58	6.19	0.164	86.15	1.83	81.20	5.46	0.170	80.11	77.86	2.25											
<b>Based on Frankfort horizontal plane</b>																																		
FH-Mx	8.18	10.84	0.74	4.44	0.008**	-0.18	7.39	-1.26	2.85	0.553	8.08	1.30	-0.67	3.78	0.002**	7.34	7.21	-1.72	3.20	0.038*	-3.07	-0.20	-2.86											
FH/Occ	9.76	6.17	9.64	6.08	0.813	4.16	5.17	10.03	5.48	0.041	18.10	6.41	9.86	6.31	0.100	12.43	3.05	5.20	3.37	0.005**	-2.30	13.04	-15.34											
FH/MP	26.09	5.88	24.27	5.48	0.503	36.25	4.77	27.52	5.43	0.006**	42.57	7.20	28.15	4.68	0.010*	36.79	6.39	24.71	4.12	0.022*	29.99	26.29	3.69											
FH/MRP	72.39	8.26	67.73	5.41	0.069	81.35	2.30	77.71	6.01	0.279	80.68	11.01	72.96	4.81	0.250	82.82	3.08	73.97	4.42	0.011*	67.54	74.08	-6.54											
<b>Angles of two adjacent planes</b>																																		
Mx/Occ	0.99	8.37	8.97	6.25	0.004**	5.58	6.03	11.87	4.51	0.041	10.21	5.57	10.64	6.29	1.000	5.11	9.95	6.99	5.21	0.769	0.22	13.24	-13.02											
Occ/MP	15.78	8.18	13.59	7.67	0.512	33.37	4.21	16.32	3.23	<0.001**	24.63	3.78	17.23	5.60	0.076	23.93	6.82	19.57	4.93	0.368	32.39	13.25	19.14											
MP-MRP	45.76	6.46	43.44	6.23	0.265	45.10	6.64	51.45	6.60	0.130	38.11	3.82	45.82	5.82	0.100	46.03	8.88	48.76	3.98	0.456	37.55	47.79	-10.24											
<b>Angular measurements</b>																																		

SNA	77.90	9.21	85.98	3.86	0.002**	67.00	4.24	84.86	5.41	<0.001**	72.68	1.80	83.79	3.85	0.002**	69.65	2.49	84.80	3.49	0.005**	66.19	85.01	-18.82
SNB	78.72	8.28	80.00	4.64	0.537	72.98	4.23	80.98	7.30	0.019*	73.96	0.40	78.85	4.52	0.203	78.23	2.46	82.04	3.63	0.126	81.34	78.81	2.53
ANB	0.11	8.74	5.49	3.68	0.025*	-1.37	9.33	4.11	1.99	0.289	-1.43	2.45	4.88	1.78	0.002**	-8.63	4.98	3.40	1.42	0.005**	-15.22	5.60	-20.82
N-S-AR	101.25	6.45	104.42	2.97	0.088	109.26	0.96	108.50	2.24	0.494	105.51	2.24	106.18	2.31	0.738	103.81	1.47	108.59	5.12	0.060	106.25	107.00	-0.75
N-S-PP	73.13	7.46	75.89	3.98	0.092	86.96	5.58	78.17	3.48	0.003**	76.46	2.77	75.51	4.27	0.738	76.97	1.38	79.58	5.64	0.555	83.51	76.14	7.37
N-A-Pog	174.71	17.77	166.44	9.35	0.212	191.98	6.27	172.24	6.77	<0.001**	176.89	5.34	169.83	6.79	0.076	195.95	11.01	142.14	106.80	0.005**	202.12	165.63	36.48
N-S-GN	66.79	11.43	58.63	4.92	0.032	78.21	2.05	64.35	5.25	<0.001**	75.32	4.26	62.56	4.34	0.005**	67.39	4.08	63.03	4.95	0.225	68.81	62.55	6.26
S-N-Pog	76.48	8.02	79.70	4.59	0.115	71.65	4.84	80.92	7.28	0.027*	71.34	1.28	78.61	4.43	0.005**	78.63	3.54	82.34	3.39	0.170	77.71	77.59	0.11
<b>linear measurements with Sella as reference</b>																							
S-A	46.13	8.24	57.40	9.03	<0.001**	57.45	7.35	74.96	11.98	0.003**	56.40	4.65	67.00	5.75	0.005**	63.03	0.78	78.16	4.98	0.005**	46.75	63.36	-16.61
S-B	55.88	14.18	69.20	13.70	0.003**	89.84	15.76	96.69	19.59	0.646	82.46	15.25	80.79	8.95	0.824	99.85	1.02	100.68	9.38	0.659	71.33	74.52	-3.20
S-Pog	59.09	14.95	73.99	15.24	0.003**	100.11	19.02	103.97	21.67	0.879	89.01	17.70	87.08	10.92	0.912	106.47	2.09	109.32	10.51	1.000	78.20	79.42	-1.23
S-GN	59.75	15.73	75.60	15.69	0.003**	103.23	19.49	105.31	20.72	0.959	90.73	18.67	89.60	10.90	0.912	109.57	3.92	113.12	11.28	1.000	80.75	81.51	-0.76
S-PNS	24.94	5.49	29.59	6.11	0.040	29.33	5.94	41.58	8.21	0.007**	28.36	2.57	36.16	3.90	0.002**	39.46	2.94	42.60	4.59	0.225	22.88	34.27	-11.39
S-GO	47.10	12.90	55.18	10.88	0.010	73.40	12.52	77.55	15.98	0.646	66.57	13.15	65.30	7.22	0.738	82.00	10.60	82.27	7.83	1.000	61.34	61.26	0.08
<b>linear measurements with ANS as reference</b>																							
ANS-S	46.32	8.41	57.86	9.01	<0.001**	59.95	6.95	75.28	11.44	0.003**	59.04	5.64	67.61	6.03	0.056	65.93	1.31	79.30	5.77	0.005**	48.92	63.84	-14.93
ANS-BA	57.32	9.75	70.34	8.88	<0.001**	72.56	9.05	87.89	11.29	0.013*	65.56	5.66	79.84	5.75	0.002**	72.08	3.64	92.60	7.64	0.005**	59.09	76.30	-17.22
ANS-N	26.35	6.33	29.45	6.23	0.088	39.63	5.94	42.29	7.96	0.494	35.62	4.12	35.72	5.37	0.824	38.88	0.91	44.80	6.10	0.170	29.81	32.64	-2.83
ANS-MEN	32.96	13.44	39.24	10.24	0.042	71.87	14.86	59.76	11.25	0.130	60.97	16.38	49.51	5.57	0.360	68.66	0.64	61.49	7.88	0.088	51.48	45.05	6.42
ANS-PNS	24.52	6.60	36.18	5.46	<0.001**	42.40	6.20	47.28	7.46	0.335	37.05	5.15	41.41	4.03	0.250	31.16	0.50	51.39	5.30	0.005**	35.20	39.23	-4.03
Wit's	1.93	12.85	1.98	2.88	0.047	-8.60	5.72	3.24	3.31	<0.001**	6.90	7.83	1.85	3.30	0.301	-10.27	3.15	1.24	3.88	0.011*	-10.13	2.66	-12.78
<b>Orbit</b>																							
<b>Unilateral orbital feature</b>																							
orbit length	29.61	4.63	36.70	5.54	<0.001**	34.28	4.06	46.26	5.18	<0.001**	35.42	1.47	42.50	3.06	0.002**	39.95	0.69	47.51	2.69	0.005**	30.23	40.56	-10.33
orbit height	29.62	6.89	27.45	3.94	0.359	38.36	2.37	33.07	2.75	<0.001**	34.17	1.71	31.09	2.08	0.039*	38.14	0.94	33.74	2.13	0.011*	34.77	29.62	5.15
orbit width	28.00	6.44	29.28	3.20	0.371	37.32	3.00	34.94	3.43	0.180	30.83	0.94	32.54	1.99	0.130	37.19	1.75	36.10	1.54	0.368	32.23	31.33	0.90
vertical cone angle	61.91	7.67	54.80	4.06	<0.001**	63.78	9.87	54.00	2.21	0.018*	64.33	1.28	53.90	4.29	0.002**	64.69	0.64	53.12	4.43	0.005**	70.24	56.18	14.06
Orbital Rim Angle	117.73	7.04	118.16	4.47	0.966	108.10	6.72	118.59	4.40	0.003**	113.47	1.60	116.80	3.17	0.100	117.52	2.27	118.39	3.16	0.769	101.13	115.40	-14.27
GPR/L	10.97	3.10	4.83	1.51	<0.001**	13.92	2.43	5.70	2.11	<0.001**	11.80	1.72	4.59	2.08	0.005**	13.12	1.15	5.12	1.91	0.005**	13.85	3.99	9.86
visual axis length	38.23	5.38	38.87	4.87	0.765	47.31	2.78	47.52	4.71	1.000	43.34	3.17	43.38	2.81	1.000	50.30	1.44	47.73	3.47	0.170	41.37	41.76	-0.39
visual axis length/orbital length	1.30	0.11	1.06	0.06	<0.001**	1.39	0.12	1.03	0.04	<0.001**	1.22	0.05	1.02	0.05	0.002**	1.26	0.03	1.01	0.06	0.005**	1.37	1.03	0.34
<b>Bilateral orbital relationship</b>																							
MOR-MOL	19.78	4.89	17.42	2.46	0.241	25.75	4.30	20.86	2.73	0.053	25.79	4.24	18.75	2.59	0.017*	28.02	2.21	22.89	3.39	0.038*	22.86	17.00	5.86
UORL-UORR	51.93	13.42	45.63	5.16	0.286	65.72	7.09	52.08	6.95	0.007**	53.07	9.05	46.96	7.14	0.203	75.12	7.99	56.87	7.17	0.005**	59.55	43.89	15.66
OrL-OrR	57.39	11.15	48.46	5.33	0.002**	70.08	9.62	61.57	11.61	0.180	63.88	4.56	52.37	5.01	0.010*	74.06	1.99	56.90	13.05	0.005**	64.27	48.81	15.46
FZR-FZL	73.67	18.16	73.44	7.15	0.579	99.01	9.82	88.47	8.92	0.024*	86.35	5.71	80.32	5.75	0.130	101.56	6.94	91.90	6.38	0.126	87.18	75.63	11.55
OFR-OFL	18.84	5.88	19.57	3.19	0.141	28.79	3.34	26.18	3.96	0.125	23.88	5.26	22.64	2.79	0.574	34.57	1.60	27.38	4.94	0.038*	26.06	21.01	5.06
cornea r-cornea l	52.02	11.04	47.65	4.50	0.424	70.73	7.99	58.42	7.67	0.007**	59.69	7.32	51.75	4.15	0.100	72.83	6.00	60.93	5.60	0.022*	53.40	47.97	5.44
Bilateral optical axis angle	51.28	5.86	42.88	5.51	<0.001**	52.63	9.18	39.58	2.02	0.024*	48.98	4.47	39.26	2.88	0.005**	44.44	5.12	41.09	3.45	0.456	38.28	37.57	0.71
<b>Orbit malformation special measurements</b>																							
angle between bilateral orbit cone	1.12	8.87	-3.77	5.60	0.019*	-9.68	10.10	-8.88	3.43	0.682	5.75	2.42	-7.53	3.48	0.002**	-15.96	5.64	-6.33	4.42	0.005**	12.87	-10.40	23.27
roll angle of ethmoid	5.98	3.88	-4.42	4.46	<0.001**	3.21	7.78	-1.92	1.82	0.024*	14.95	5.94	-3.25	2.75	0.002**	21.41	22.10	-0.64	3.55	0.005**	5.52	-3.28	8.80
outside horizontal angle	60.98	4.94	58.36	4.49	0.077	67.62	3.53	56.97	3.43	<0.001**	56.42	4.25	56.40	3.35	1.000	67.37	7.49	55.78	4.01	0.022*	64.33	59.25	5.08
inside horizontal angle	45.84	12.32	61.67	6.97	<0.001**	51.37	8.13	57.10	6.05	0.067	32.83	12.58	58.38	5.33	0.002**	21.31	5.04	58.00	6.85	0.005**	39.67	59.50	-19.83
ethmoid middle width	21.47	6.22	16.90	3.52	0.002**	30.24	4.28	24.88	4.66	0.053	31.59	5.76	20.46	2.94	0.002**	45.95	11.50	26.14	4.54	0.005**	28.35	18.76	9.59
ethmoid side angle	8.19	6.59	-2.13	3.93	<0.001**	10.74	3.67	3.60	3.68	0.001**	13.06	4.67	0.38	2.69	0.002**	39.26	33.58	4.06	5.24	0.005**	13.76	1.92	11.84
sphenoid side angle	5.69	7.91	0.99	3.80	0.003**	5.76	5.70	-0.94	5.56	0.024*	8.64	4.13	1.27	2.83	0.100*	6.80	21.38	-5.54	4.74	0.456	19.15	3.03	16.11
inside horizontal angle%	0.75	0.19	1.06	0.08	<0.001**	0.76	0.11	1.00	0.07	0.001**	0.57	0.19	1.04	0.07	0.002**	0.32	0.10	1.04	0.06	0.005**	0.62	1.00	-0.38

ethmoid side angle%	0.14	0.11	-0.04	0.07	<0.001**	0.16	0.05	0.06	0.07	0.010*	0.24	0.10	0.01	0.05	0.002**	0.55	0.41	0.07	0.09	0.005**	0.21	0.03	0.18
sphenoid side angle%	0.09	0.13	0.02	0.06	0.002**	0.09	0.08	-0.02	0.10	0.053	0.16	0.08	0.02	0.05	0.010*	0.12	0.31	-0.10	0.08	0.456	0.29	0.05	0.24
<b>Zygoma</b>																							
<b>Zygomatic morphology</b>																							
Zygomatic protrusion	34.53	6.37	42.85	6.81	<0.001**	42.44	3.72	63.36	23.54	<0.001**	40.50	3.48	49.89	3.54	0.002**	47.72	0.92	77.21	30.98	0.005**	38.27	47.29	-9.02
ZPR-S-ZPL	90.94	5.66	69.91	7.71	<0.001**	96.18	5.50	84.81	9.52	0.013*	90.12	2.58	77.22	6.30	0.002**	91.59	3.32	85.09	2.82	0.011*	88.08	73.26	14.82
ZPR-ZPL	69.68	13.20	84.72	6.09	<0.001**	92.09	10.33	83.34	8.76	0.151	80.07	3.68	80.75	4.79	0.912	93.20	5.89	87.12	10.58	0.456	77.85	81.27	-3.42
ZPR/L-S	49.84	8.76	52.17	7.13	0.306	61.92	6.33	66.17	8.91	0.494	56.63	3.75	59.69	4.58	0.426	64.98	2.37	68.11	3.94	0.291	56.04	56.31	-0.27
Zygoma transverse width	7.43	1.19	5.57	1.15	<0.001**	6.71	0.79	6.42	1.57	0.437	4.97	0.41	5.49	0.58	0.130	6.34	0.85	6.18	1.05	1.000	7.76	5.21	2.54
Zygoma height	26.99	7.12	27.80	5.82	0.609	39.10	4.24	38.79	6.89	0.820	37.63	3.12	33.50	3.39	0.076	40.69	0.92	39.88	3.58	0.769	33.91	31.75	2.15
Zygoma length	28.60	7.35	35.36	5.45	0.001	38.41	3.66	44.84	6.41	0.024*	35.54	5.42	41.15	3.26	0.076	47.24	0.58	46.92	4.63	0.769	33.08	39.96	-6.88
Zygoma superior curvature length	25.97	5.72	25.95	3.04	0.741	33.08	1.70	30.68	3.23	0.083	28.92	1.02	29.34	1.39	0.654	34.44	1.41	32.21	2.31	0.170	28.95	27.51	1.44
bizygomatic width	75.46	16.23	85.04	12.09	0.021	110.64	15.24	110.34	13.96	1.000	95.63	9.13	98.29	7.86	0.654	111.80	9.19	112.62	5.59	0.368	93.39	93.15	0.23
<b>Midface</b>																							
ANS-PP	33.23	7.26	44.19	5.99	<0.001**	46.85	5.44	55.77	7.31	0.018*	43.23	3.71	50.33	4.57	0.027*	47.59	1.90	60.15	4.42	0.005	38.56	48.50	-9.94
ZMR-ZML	38.09	9.37	37.84	5.19	0.624	49.83	10.32	47.36	6.85	0.820	50.51	1.91	41.31	5.71	0.010*	52.06	5.12	48.67	6.82	0.769	43.10	37.07	6.03
JR-JL	43.83	7.85	48.13	4.96	0.035	57.53	5.48	59.32	6.92	0.616	47.87	4.95	54.14	3.77	0.039*	64.03	4.90	62.11	7.90	0.769	44.83	52.91	-8.08
NcR-NcL	15.90	4.02	19.95	2.82	0.001**	23.48	4.96	22.56	2.11	0.494	20.39	2.90	22.24	2.25	0.574	22.43	2.61	23.85	2.19	0.456	18.30	20.68	-2.38
N-Ro	12.18	3.22	12.50	3.27	0.782	18.15	2.70	19.33	4.63	0.616	17.35	3.70	15.40	3.04	0.426	18.70	2.98	19.18	4.94	1.000	14.31	14.06	0.24
Ro-ANS	15.36	3.79	19.16	7.90	0.105	24.23	5.21	25.11	5.92	1.000	21.20	1.02	21.41	3.50	1.000	23.73	1.12	27.93	3.22	0.038*	17.51	19.68	-2.17
<b>Mandible</b>																							
<b>Mandibular morphology</b>																							
<b>Linear measurements</b>																							
COR-COL	56.48	11.40	67.63	9.28	0.002**	78.37	7.57	86.32	10.07	0.102	68.08	6.86	77.37	9.04	0.164	84.26	1.19	87.60	7.39	0.368	68.17	72.72	-4.56
GOR-GOL	51.20	11.54	62.47	9.02	0.001**	79.34	11.78	82.48	13.05	0.574	66.07	9.02	71.52	7.15	0.301	90.72	12.58	84.49	6.50	0.456	66.44	66.92	-0.48
COR/L-GOR/L	22.99	10.33	31.39	10.75	0.004**	48.06	9.77	49.71	14.48	0.879	38.89	10.31	37.22	5.90	0.738	49.27	7.39	50.08	6.33	0.885	37.10	33.62	3.48
GOR/L-Pog	42.35	8.79	54.08	9.24	<0.001**	68.37	13.59	75.38	15.67	0.328	55.18	8.25	62.31	7.29	0.301	72.99	4.74	77.94	8.35	0.291	52.97	56.83	-3.86
COR/L-Pog	56.26	13.32	75.25	13.85	<0.001**	99.44	19.31	105.96	22.22	0.574	82.71	14.39	87.84	10.58	0.738	102.37	2.13	110.08	11.67	0.555	77.94	80.28	-2.33
CO-GO/GO-Pog	0.49	0.09	0.59	0.16	0.013	0.70	0.04	0.65	0.07	0.130	0.70	0.09	0.60	0.04	0.164	0.67	0.06	0.64	0.04	0.456	0.71	0.59	0.11
<b>Angular measurements</b>																							
COR/L-GOR/L-Men	127.86	5.83	124.71	15.88	0.763	123.33	4.34	117.73	15.35	0.442	128.79	3.56	120.34	20.12	0.738	120.56	12.47	119.07	14.45	0.555	100.17	99.37	0.80
ARR/L-GOR/L-Men	129.95	14.76	132.26	4.66	0.684	126.80	4.40	124.35	4.52	0.442	131.51	3.73	129.43	2.79	0.498	123.32	9.41	120.59	15.13	0.555	129.81	128.43	1.38
ARR/L-GOR/L-N	71.99	12.80	76.89	9.16	0.354	52.02	5.69	60.74	7.08	0.037*	58.27	12.03	68.67	5.15	0.203	56.44	3.37	60.23	5.13	0.225	62.14	70.58	-8.43
N-GOR/L-Men	62.88	6.38	60.09	5.47	0.439	78.20	1.61	65.78	2.73	<0.001**	77.83	6.32	64.12	2.41	0.002**	71.05	6.28	65.91	3.33	0.225	72.93	62.28	10.66
[CoR-AGR-Men]-[CoL-AGL-Men]	126.77	12.98	121.38	14.71	0.194	112.84	14.22	101.51	15.25	0.104	145.22	16.89	114.59	12.84	0.017*	122.36	1.83	100.51	8.69	0.005**	139.83	118.23	21.60
<b>Mandibular positional relationship</b>																							
COR/L-A	51.17	9.88	68.37	9.86	<0.001**	69.18	8.62	88.13	13.07	0.007**	64.51	3.85	77.94	6.97	0.002**	73.37	2.29	91.99	7.93	0.005**	57.78	72.98	-15.20
J-[Z-AG] R/L	9.67	3.67	11.71	3.05	0.039	15.24	4.30	16.04	3.73	1.000	14.41	2.20	13.37	3.06	0.738	14.70	1.08	16.60	1.75	0.088	14.06	10.94	3.12
Pog-NB	0.64	2.62	0.89	1.40	0.512	-0.62	3.31	0.48	1.98	0.646	4.01	2.45	1.24	0.88	0.027*	0.62	1.92	0.61	1.67	0.885	4.34	1.40	2.95
Pog-N-B	0.29	2.23	0.26	1.55	0.865	-0.59	1.98	-0.77	1.14	0.721	2.62	1.39	0.24	1.39	0.017*	0.42	1.13	0.31	1.03	1.000	3.63	1.22	2.41
BA-S-GN	68.51	10.42	72.49	7.42	0.145	62.97	9.51	64.37	5.26	1.000	48.41	6.59	65.55	3.60	0.002**	50.93	1.01	66.06	5.13	0.005**	58.94	65.42	-6.48

\*p<0.05

\*\*p<0.01