

Table 3. Statistics of skeletal/dental landmark **distances** of patients in their initial images and their equivalents with the MAD in place. Includes average mean measurements, standard deviation, the difference between these two measurements, and the ratio of the diagnostic distances to the MAD distances in percentage format and 95% confidence intervals. Starred (*) values indicate statistical significance with p-values<0.05). Negative ratio values indicate that the distance measured with the MAD is shorter than the initial diagnostic distance measurement.

	Landmarks	Linear distances at Dx		Linear distances with MAD		MAD and Dx mean linear difference (mm)	MAD and Dx mean standard deviation difference (mm)	Ratio of MAD and Dx distances (%) % increase= MAD-Dx)/ Dx
		Average mean (mm)	Standard deviation	Average mean (mm)	Standard deviation			
1	Buccal furcation 27⇔ Buccal furcation 37	19.74*	10.23	24.32	7.88	4.58	6.45	23.20
2	Buccal furcation 17⇔ Buccal furcation 47	17.08*	3.87	23.75	2.53	6.66	4.72	39.05
3	Buccal furcation 27⇔ Postero-superior left lingula	34.33	5.86	32.83	5.14	-1.50	3.26	-4.37
4	Buccal furcation 17⇔ Postero-superior right lingula	36.43*	5.46	34.33	5.43	-2.11	1.59	-5.76
5	Superio-anterior C2 anterior tubercle⇔ Buccal furcation 47	51.07*	13.97	54.23	14.97	3.16	3.37	6.19
6	Superio-anterior C2 anterior tubercle⇔ Buccal furcation 37	57.50	5.90	59.38	6.69	1.88	4.76	3.27
7	Superio-anterior C2 anterior tubercle⇔ Buccal furcation 17	57.53	4.91	57.22	5.88	-0.31	4.53	-0.54
8	Superio-anterior C2 anterior tubercle⇔ Buccal furcation 27	56.93	4.51	57.11	5.53	0.17	3.13	0.30

9	Superio- anterior C2 anterior tubercle⇔ Posterior- superior left lingula	47.93	2.92	49.84	2.85	1.91	1.47	3.98
10	Superio- anterior C2 anterior tubercle⇔ Posterior- superior right lingula	49.29	2.90	50.27	3.88	0.97	2.74	1.99
11	Superio- anterior body of hyoid bone body⇔ Posterior- superior left lingula	63.54	11.60	62.67	10.18	-0.87	3.09	-1.37
12	Superio- anterior body of hyoid bone body⇔ Posterior- superior right lingula	60.40	12.95	59.89	11.67	-0.51	4.15	-0.84
13	Left greater cornu of hyoid bone anterior tip⇔ Posterior- superior left lingula	51.46	6.85	50.96	5.86	-0.50	2.93	-0.97
14	Right greater cornu of hyoid bone anterior tip⇔ Posterior- superior right lingula	48.95	5.49	48.30	6.00	-0.65	3.77	-1.33
15	Buccal furcation 27⇔ Left greater cornu of hyoid bone, posterior tip	64.36	13.11	65.67	15.58	1.31	5.50	2.04
16	Buccal furcation 17⇔ Right greater cornu of hyoid bone, posterior tip	62.77	12.55	62.83	14.16	0.05	6.28	0.10

17	Buccal furcation 37↔ Left greater cornu of hyoid bone, posterior tip	53.21	8.10	52.91	9.58	-0.30	3.05	-0.56
18	Buccal furcation 47↔ Right greater cornu of hyoid bone, posterior tip	51.71*	6.22	48.61	8.61	-3.11	3.54	-5.99
19	Posterior-superior left lingula↔ Left greater cornu of hyoid bone, posterior tip	52.38	7.13	52.02	6.52	-0.36	1.72	-0.69
20	Posterior-superior right lingula↔ Right greater cornu of hyoid bone, posterior tip	50.68	6.01	49.01	6.84	-1.68	3.18	-3.30
21	C2↔ Left hyoid bone	43.93	6.23	45.86	6.90	1.94	2.34	4.39
22	C2↔ Right hyoid bone	43.93	6.13	43.41	5.52	-0.52	1.92	-1.18
23	C2↔ Body of hyoid bone	56.01	4.69	57.25	4.97	1.24	4.32	2.21