

Table S2. Regression equation parameters for the cervical diameter (dependent variable) versus the alveolar diameter (independent variable).

Measurement	Arch	Tooth	Model	Coefficients	Estimator	SE	t	Sig.	R	R <sup>2</sup>
Mesiodistal	Maxilla	I <sup>1</sup>	Quadratic	b <sub>0</sub>	5.925	4.352	1.361	0.178	0.757	0.573
				b <sub>1</sub>	-0.667	1.350	-0.495	0.623		
				b <sub>2</sub>	0.116	0.104	1.118	0.268		
		I <sup>2</sup>	Power	b <sub>0</sub>	1.043	0.120	8.696	0.000	0.862	0.744
				b <sub>1</sub>	0.952	0.073	13.086	0.000		
		C'	Quadratic	b <sub>0</sub>	1.047	2.320	0.451	0.653	0.889	0.790
				b <sub>1</sub>	0.771	0.787	0.980	0.331		
				b <sub>2</sub>	0.007	0.066	0.101	0.920		
		P <sup>1</sup>	Quadratic	b <sub>0</sub>	11.056	5.716	1.934	0.067	0.779	0.607
				b <sub>1</sub>	-3.806	2.522	-1.509	0.147		
				b <sub>2</sub>	0.521	0.277	1.884	0.074		
		P <sup>2</sup>	Quadratic	b <sub>0</sub>	23.449	9.663	2.427	0.026	0.767	0.588
				b <sub>1</sub>	-8.754	4.001	-2.188	0.042		
				b <sub>2</sub>	1.000	0.413	2.421	0.026		
	Mandible	I <sub>1</sub>	Exponential	b <sub>0</sub>	2.148	0.224	9.571	0.000	0.503	0.253
				b <sub>1</sub>	0.129	0.029	4.503	0.000		
		I <sub>2</sub>	Quadratic	b <sub>0</sub>	8.377	2.418	3.465	0.001	0.736	0.541
				b <sub>1</sub>	-3.099	1.240	-2.499	0.015		
				b <sub>2</sub>	0.488	0.159	3.076	0.003		
		C <sub>1</sub>	Quadratic	b <sub>0</sub>	0.382	4.359	0.088	0.930	0.798	0.638
				b <sub>1</sub>	0.912	1.616	0.564	0.574		
				b <sub>2</sub>	0.001	0.148	0.006	0.995		
		P <sub>1</sub>	Power	b <sub>0</sub>	2.103	0.370	5.681	0.000	0.489	0.239
				b <sub>1</sub>	0.527	0.113	4.686	0.000		
		P <sub>2</sub>	Power	b <sub>0</sub>	2.457	0.514	4.778	0.000	0.451	0.204
				b <sub>1</sub>	0.443	0.129	3.430	0.001		
			Exponential	b <sub>0</sub>	3.211	0.421	7.628	0.000	0.452	0.204
				b <sub>1</sub>	0.089	0.026	3.439	0.001		
Buccolingual	Maxilla	I <sup>1</sup>	Quadratic	b <sub>0</sub>	4.063	5.620	0.723	0.475	0.889	0.790
				b <sub>1</sub>	-0.115	1.747	-0.66	0.948		
				b <sub>2</sub>	0.077	0.135	0.565	0.576		
		I <sup>2</sup>	Power	b <sub>0</sub>	0.932	0.214	4.358	0.000	0.763	0.582
				b <sub>1</sub>	1.035	0.131	7.914	0.000		
		C'	Quadratic	b <sub>0</sub>	0.578	2.903	0.199	0.843	0.957	0.916
				b <sub>1</sub>	1.039	0.703	1.477	0.147		
				b <sub>2</sub>	-0.014	0.042	-0.334	0.740		
		P <sup>1</sup>	Quadratic	b <sub>0</sub>	3.174	5.760	0.551	0.589	0.917	0.842
				b <sub>1</sub>	0.501	1.448	0.346	0.734		
				b <sub>2</sub>	0.015	0.091	0.166	0.870		
		P <sup>2</sup>	Quadratic	b <sub>0</sub>	20.728	6.477	3.200	0.004	0.886	0.785
				b <sub>1</sub>	-3.821	1.621	-2.358	0.029		
				b <sub>2</sub>	0.278	0.101	2.758	0.012		
	Mandible	I <sub>1</sub>	Quadratic	b <sub>0</sub>	18.255	7.493	2.436	0.024	0.917	0.841
				b <sub>1</sub>	-5.207	2.534	-2.055	0.053		
				b <sub>2</sub>	0.520	0.213	2.442	0.024		
		I <sub>2</sub>	Quadratic	b <sub>0</sub>	7.083	4.634	1.529	0.137	0.859	0.739
				b <sub>1</sub>	-0.967	1.451	-0.666	0.510		
				b <sub>2</sub>	0.132	0.113	1.164	0.253		
		C <sub>1</sub>	Quadratic	b <sub>0</sub>	3.552	3.792	0.937	0.358	0.893	0.798
				b <sub>1</sub>	0.306	0.946	0.324	0.749		
				b <sub>2</sub>	0.028	0.059	0.4884	0.633		
		P <sub>1</sub>	Quadratic	b <sub>0</sub>	5.121	10.930	0.469	0.643	0.795	0.633
				b <sub>1</sub>	-0.337	3.205	-0.105	0.917		
				b <sub>2</sub>	0.088	0.234	0.376	0.709		
		P <sub>2</sub>	Quadratic	b <sub>0</sub>	10.179	4.936	2.062	0.047	0.906	0.821

				b <sub>1</sub>	-1.512	1.369	-1.105	0.277		
				b <sub>2</sub>	0.156	0.094	1.649	0.109		
Area	Maxilla	I <sup>1</sup>	Quadratic	b <sub>0</sub>	35.450	20.599	1.721	0.095	0.877	0.768
				b <sub>1</sub>	-0.504	0.962	-0.524	0.604		
				b <sub>2</sub>	0.016	0.011	1.442	0.159		
		I <sup>2</sup>	Quadratic	b <sub>0</sub>	1.507	13.349	0.113	0.911	0.904	0.818
				b <sub>1</sub>	0.817	0.955	0.856	0.398		
				b <sub>2</sub>	0.003	0.017	0.192	0.849		
		C'	Quadratic	b <sub>0</sub>	-14.013	8.959	-1.564	0.126	0.971	0.944
				b <sub>1</sub>	1.649	0.366	4.503	0.000		
				b <sub>2</sub>	-0.007	0.004	-2.030	0.050		
		P <sup>1</sup>	Quadratic	b <sub>0</sub>	35.721	32.893	1.086	0.299	0.912	0.831
				b <sub>1</sub>	-0.920	1.771	-0.519	0.613		
				b <sub>2</sub>	0.026	0.023	1.129	0.281		
		P <sup>2</sup>	Quadratic	b <sub>0</sub>	97.790	28.327	3.452	0.003	0.867	0.751
				b <sub>1</sub>	-4.069	1.502	-2.709	0.014		
				b <sub>2</sub>	0.063	0.020	3.238	0.005		
	Mandible	I <sub>1</sub>	Quadratic	b <sub>0</sub>	43.925	14.803	2.967	0.008	0.916	0.839
				b <sub>1</sub>	-3.217	1.389	-2.316	0.031		
				b <sub>2</sub>	0.096	0.032	2.995	0.007		
		I <sub>2</sub>	Quadratic	b <sub>0</sub>	32.933	10.750	3.063	0.005	0.913	0.833
				b <sub>1</sub>	-1.619	0.828	-1.956	0.060		
				b <sub>2</sub>	0.049	0.016	3.155	0.004		
		C <sub>1</sub>	Quadratic	b <sub>0</sub>	-3.679	21.359	-0.172	0.865	0.868	0.754
				b <sub>1</sub>	1.241	1.002	1.239	0.229		
				b <sub>2</sub>	-0.004	0.011	-0.356	0.725		
		P <sub>1</sub>	Quadratic	b <sub>0</sub>	-8.432	46.747	-0.180	0.858	0.807	0.651
				b <sub>1</sub>	1.502	2.836	0.529	0.601		
				b <sub>2</sub>	-0.006	0.042	-0.145	0.886		
		P <sub>2</sub>	Quadratic	b <sub>0</sub>	60.350	32.112	1.879	0.070	0.787	0.620
				b <sub>1</sub>	-2.121	1.766	-1.201	0.239		
				b <sub>2</sub>	0.040	0.024	1.685	0.102		

n, sample size for comparison; SE, standard error; *t*, Student's *t*-test; Sig., significance; R, coefficient of regression; R<sup>2</sup>, coefficient of determination.

Regression models:

Linear:  $Y = b_0 + (b_1 \times X)$

Logarithmic:  $Y = b_0 + (b_1 \times \ln(X))$

Inverse:  $Y = b_0 + (b_1/X)$

Quadratic:  $Y = b_0 + (b_1 \times X) + (b_2 \times X^2)$

Power:  $Y = b_0 \times X^{b_1}$

Exponential:  $Y = b_0 \times e^{(b_1 \times X)}$

where *Y* is the dependent variable (crown diameter of the corresponding tooth)

*X* is the independent variable (alveolar diameter of the corresponding tooth)