

Table S1: Mean measurements of experimental models in mm (N=10 models per model type and print angle). Mean measurements were calculated from 30 measurements (three measurements per site on each of the 10 models per model type and print angle).

Model type	Solid			Shell		
Print angle	0°	70°	90°	0°	70°	90°
Incisor Height	-0.20 ± 0.03	-0.09 ± 0.04	-0.08 ± 0.06	-0.23 ± 0.03	-0.10 ± 0.04	-0.08 ± 0.06
Canine Height	-0.25 ± 0.03	-0.14 ± 0.05	-0.14 ± 0.04	-0.26 ± 0.03*	-0.19 ± 0.03	-0.14 ± 0.04
Premolar Height	-0.20 ± 0.02	-0.12 ± 0.03	-0.14 ± 0.04	-0.21 ± 0.03	-0.14 ± 0.06	-0.12 ± 0.04
Molar Height	-0.19 ± 0.02	-0.01 ± 0.04	-0.12 ± 0.05	-0.19 ± 0.05	-0.13 ± 0.05	-0.10 ± 0.02
Incisor Width	-0.04 ± 0.05	-0.01 ± 0.04	-0.03 ± 0.06	-0.03 ± 0.05	-0.02 ± 0.05	-0.09 ± 0.07
Canine Width	0.04 ± 0.05	0.01 ± 0.04	-0.02 ± 0.03	0.04 ± 0.04	0.01 ± 0.03	-0.05 ± 0.03
Premolar Width	-0.02 ± 0.03	-0.02 ± 0.04	-0.02 ± 0.03	-0.03 ± 0.04	-0.04 ± 0.03	-0.02 ± 0.03
Molar Width	0.02 ± 0.04	0.01 ± 0.03	0.03 ± 0.01	0.01 ± 0.05	-0.02 ± 0.02	-0.01 ± 0.02
Intermolar Distance	-0.15 ± 0.25	0.10 ± 0.23	0.13 ± 0.25	0.09 ± 0.27	0.37 ± 0.17	0.12 ± 0.30
Inter canine Distance	-0.04 ± 0.20	-0.07 ± 0.19	-0.07 ± 0.22	0.01 ± 0.24	0.07 ± 0.13	-0.21 ± 0.25
Arch Depth	-0.18 ± 0.08	-0.15 ± 0.05	-0.17 ± 0.06	-0.22 ± 0.12	-0.21 ± 0.06	-0.26 ± 0.04

* Only one mean measurement fell outside the selected range of clinical acceptability