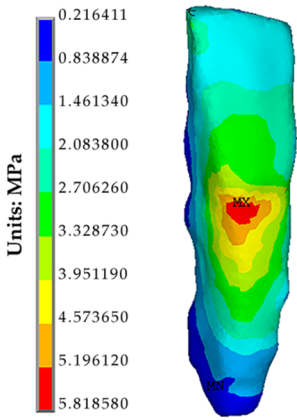
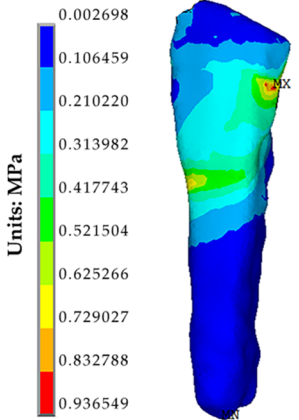
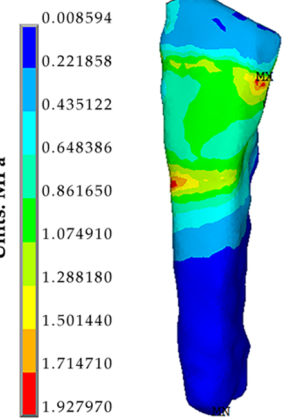
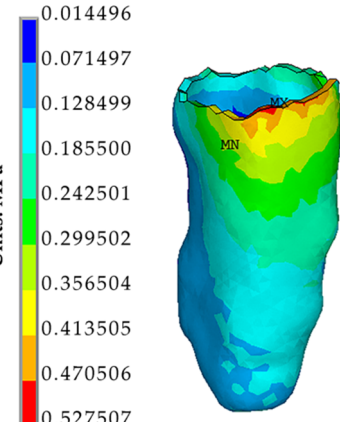
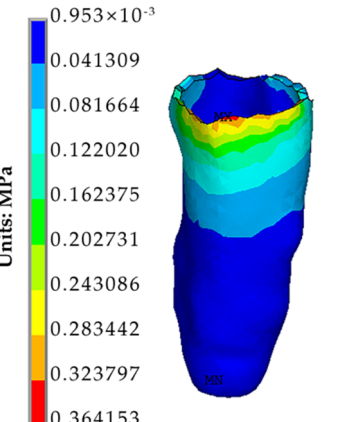
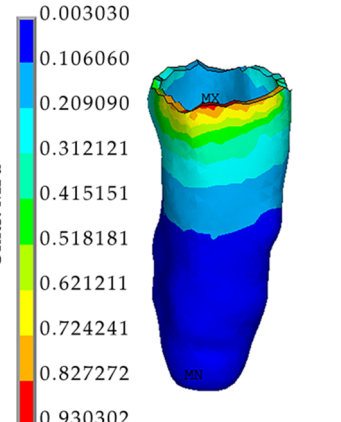
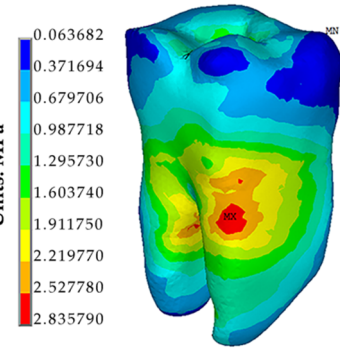
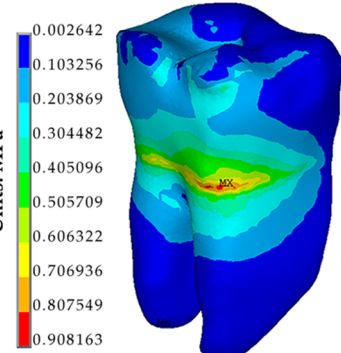
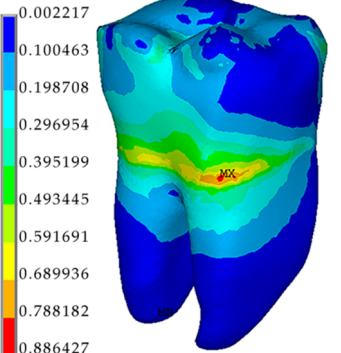
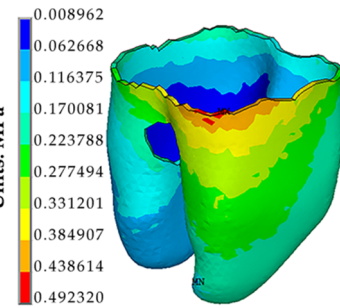
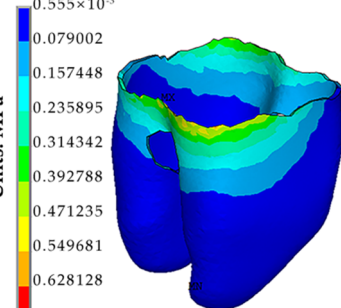
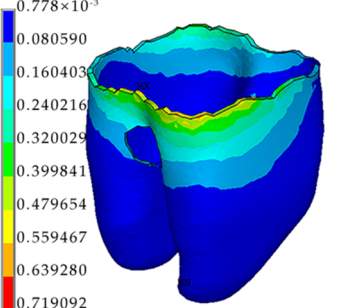


Table S1. Results of determining the stress-strain state of the model components.

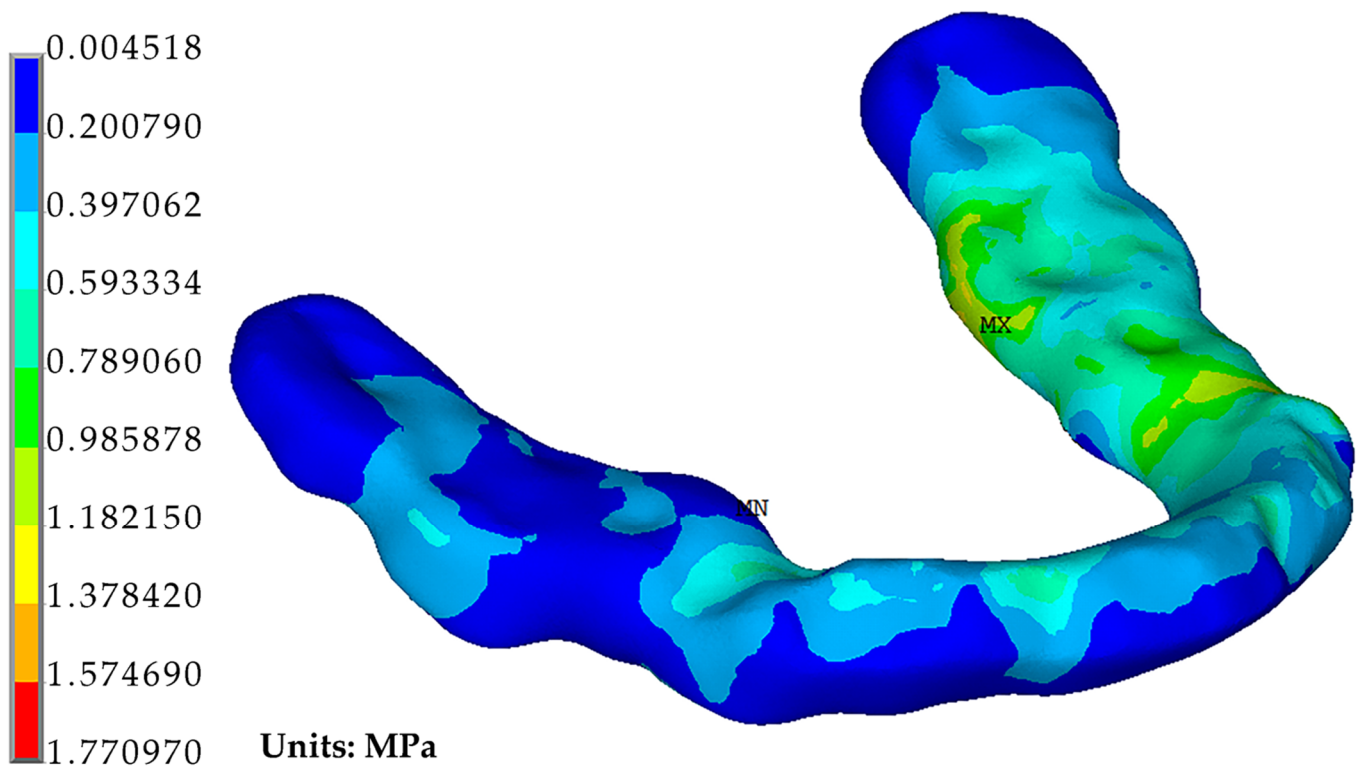
Tooth ID	Option 1			Option 2			Option 3		
	Maximum displacement (mm)	Maximum von Mises Stress (MPa)		Maximum displacement (mm)	Maximum von Mises Stress (MPa)		Maximum displacement (mm)	Maximum von Mises Stress (MPa)	
		T	PDL		T	PDL		T	PDL
37	5.05×10^{-3}	2.84	0.49	15.85×10^{-3}	0.91	0.71	13.92×10^{-3}	0.89	0.72
36	3.36×10^{-3}	2.45	0.39	22.47×10^{-3}	1.91	1.43	16.79×10^{-3}	1.37	1.04
35	4.46×10^{-3}	3.01	0.41	18.31×10^{-3}	1.79	1.40	15.95×10^{-3}	1.42	1.25
34	3.82×10^{-3}	2.05	0.20	12.16×10^{-3}	1.33	0.67	12.54×10^{-3}	1.21	0.69
33	1.98×10^{-3}	0.40	0.05	9.59×10^{-3}	1.60	0.53	15.49×10^{-3}	1.68	0.70
32	6.75×10^{-3}	3.95	0.40	8.72×10^{-3}	3.19	0.44	18.40×10^{-3}	1.57	0.78
31	9.31×10^{-3}	5.82	0.53	9.34×10^{-3}	0.94	0.36	25.63×10^{-3}	1.93	0.93
41	1.98×10^{-3}	1.20	0.12	9.39×10^{-3}	0.60	0.40	27.88×10^{-3}	1.92	1.17
42	3.80×10^{-3}	2.26	0.22	8.60×10^{-3}	0.62	0.29	25.84×10^{-3}	2.23	0.88
43	0.84×10^{-3}	0.66	0.07	7.83×10^{-3}	0.97	0.27	23.05×10^{-3}	3.18	0.83
44	2.76×10^{-3}	1.98	0.23	7.16×10^{-3}	0.72	0.36	20.01×10^{-3}	2.18	1.04
45	0.52×10^{-3}	0.50	0.06	4.47×10^{-3}	0.74	0.27	11.50×10^{-3}	1.77	0.66
46	1.04×10^{-3}	0.93	0.13	4.98×10^{-3}	0.52	0.36	8.81×10^{-3}	0.80	0.58
47	2.70×10^{-3}	1.89	0.34	3.26×10^{-3}	0.38	0.25	5.87×10^{-3}	0.51	0.42

T, tooth; PDL, periodontal ligament.

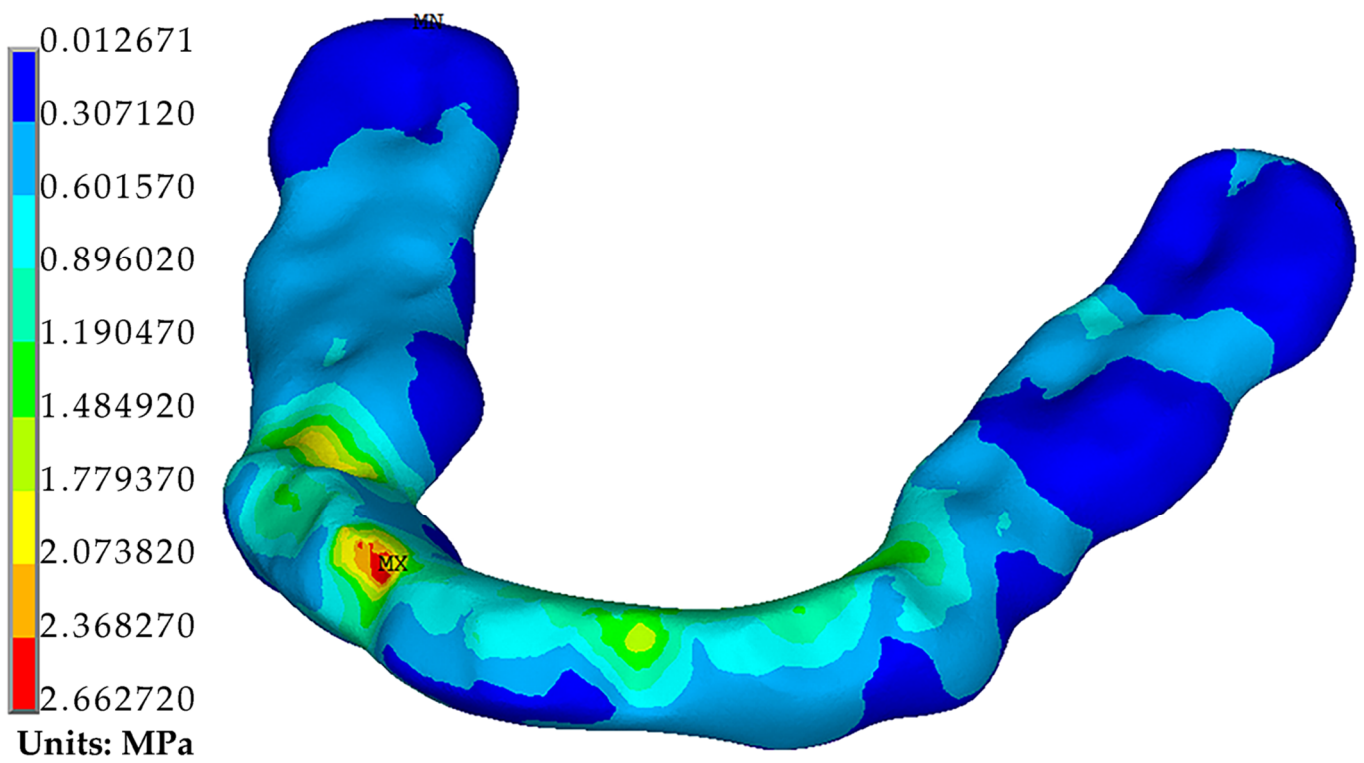
Table S2. Results of determining the equivalent stresses for the components of the mandible model.

Component	Option 1	Option 2	Option 3
Tooth 31			
			
			
			

PDL, periodontal ligament.



(a)



(b)

Figure S1. Fields of the equivalent stress distribution in the splint model: (a) for Option 2; (b) for Option 3.



(a)



(b)

Figure S2. Occlusal view of the patient's: (a) upper arch; (b) lower arch.

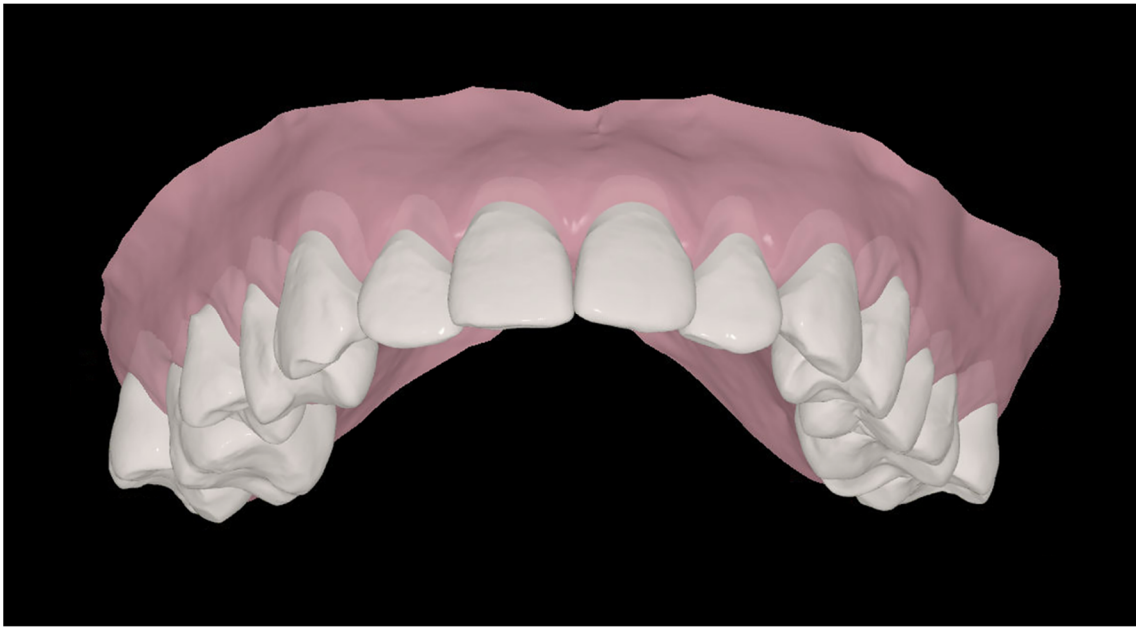


(a)

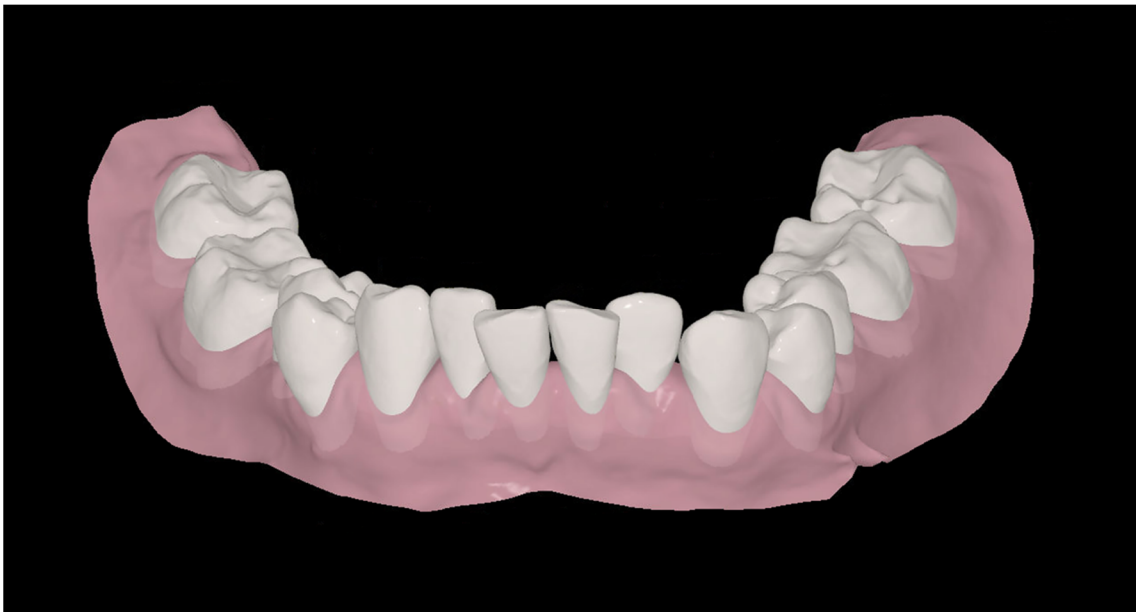


(b)

Figure S3. Occlusal view of the virtual model of the patient's: (a) upper arch; (b) lower arch.



(a)



(b)

Figure S4. Frontal view of the virtual model of the patient's: (a) upper arch; (b) lower arch.



(a)



(b)

Figure S5. Process of occlusion measuring by T-Scan III with physical model of the splint (after grinding correction):
(a) view from above; (b) bottom view.