

Supplementary Table 19. Fixed and random-effects model for the changes from baseline in pulp/tooth proportion values ($\Delta B2/B0$) in the DPC, PP, and CP groups against those in the LB group

Model component	Determinant/parameter	Estimate	95% CI	p-value
Fixed effects				
Treatment (reference: LB)	DPC	-0.0004	-0.290 to 0.289	0.998
	PP	-0.164	-0.437 to 0.109	0.239
	CP	-0.263	-0.583 to 0.056	0.106
Visit (linear)	Visit	0.119	0.085 to 0.152	<0.001
Treatment × visit	DPC × visit	0.001	-0.045 to 0.048	0.953
	PP × visit	0.004	-0.038 to 0.045	0.860
	CP × visit	0.128	0.078 to 0.178	<0.001
Visit ²	Visit ²	-0.00126	-0.00139 to -0.00114	<0.001
Treatment × visit ²	DPC × visit ²	0.00025	0.00007 to 0.00042	0.006
	PP × visit ²	0.00046	0.00030 to 0.00061	<0.001
	CP × visit ²	0.00036	-0.00028 to 0.00100	0.270
Covariates				
Age	Age	-0.00333	-0.00659 to -0.00006	0.046
Sex	Sex	-0.020	-0.147 to 0.107	0.756
Preoperative pulp diagnosis (reference: normal pulp)	Reversible pulp	-0.041	-0.229 to 0.147	0.669
	Irreversible pulp	-0.040	-0.247 to 0.166	0.702
Preoperative periapical status (reference: presence)	Absence	-0.171	-0.324 to -0.017	0.030
Pulp dressing (reference: MTA)	Biodentine	0.134	-0.011 to 0.279	0.070
Root formation (reference: mature)	Immature	0.117	-0.038 to 0.272	0.138
Irrigant (reference: NSS)	NaOCl	-0.125	-0.278 to 0.028	0.108
Intercept	Constant	0.785	0.236 to 1.334	0.005
Random effects (tooth level)				
Random slope for visit (SD)	SD (visit)	0.083	0.071 to 0.097	-
Random intercept (SD)	SD (intercept)	0.364	0.293 to 0.452	-
Correlation structure	Corr (visit, intercept)	0.885	0.467 to 0.980	-
Residual	Residual SD	0.476	0.451 to 0.502	-

CI, confidence interval; CP, coronal pulpotomy; DPC, direct pulp capping; LB, protective liner and base; MTA, mineral trioxide aggregate; NSS, normal saline solution; PP, pulpotomy; SD, standard deviation.