

Supplementary Table 7. Fixed and random-effects model for the changes from baseline in pulp/tooth proportion values ($\Delta B2/B0$) between teeth treated with different types of vital pulp therapy and controls

Model component	Determinant/parameter	Estimate	95% CI	p-value
Fixed effects				
Treatment (reference: control)	LB	0.209	-0.161 to 0.579	0.269
	DPC	0.177	-0.187 to 0.541	0.342
	PP	0.102	-0.224 to 0.428	0.540
	CP	-0.040	-0.394 to 0.314	0.824
Visit (linear)	Visit	0.073	0.038 to 0.109	<0.001
Treatment × visit	LB × visit	0.055	0.007 to 0.103	0.024
	DPC × visit	0.058	0.011 to 0.105	0.015
	PP × visit	0.052	0.009 to 0.094	0.016
	CP × visit	0.197	0.152 to 0.243	<0.001
Visit ²	Visit ²	-0.00027	-0.00041 to -0.00013	<0.001
Treatment × visit ²	LB × visit ²	-0.00083	-0.00101 to -0.00064	<0.001
	DPC × visit ²	-0.00068	-0.00087 to -0.00050	<0.001
	PP × visit ²	-0.00057	-0.00073 to -0.00040	<0.001
	CP × visit ²	-0.00128	-0.00146 to -0.00110	<0.001
Covariates	Age	-0.0016	-0.0042 to 0.0010	0.220
	Sex	-0.045	-0.140 to 0.051	0.358
Root formation (reference: mature)	Immature	0.086	-0.030 to 0.202	0.144
Intercept	Constant	0.147	-0.326 to 0.620	0.542
Random effects (tooth level)				
Random intercept (SD)		0.526	-	-
Random slope for visit (SD)		0.078	-	-
Correlation structure		1.000	-	-
Residual	Residual SD	0.471	-	-

CI, confidence interval; CP, coronal pulpotomy; DPC, direct pulp capping; LB, protective liner and base; PP, pulpotomy; SD, standard deviation.