

Supplementary Table 4. Fixed and random-effects model for the changes from baseline in pulp/tooth proportion values ($\Delta B1/B0$) 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	0.063	-0.111 to 0.237	0.479
	DPC	0.160	-0.012 to 0.331	0.068
	PP	0.085	-0.069 to 0.238	0.281
	CP	0.053	-0.114 to 0.220	0.534
Visit (linear)	Visit	0.050	0.033 to 0.067	<0.001
Treatment × visit	LB × visit	0.030	0.008 to 0.053	0.008
	DPC × visit	0.037	0.015 to 0.059	0.001
	PP × visit	0.038	0.018 to 0.058	<0.001
	CP × visit	0.076	0.055 to 0.098	<0.001
Visit ²	Visit ²	-0.00017	-0.00024 to -0.00010	<0.001
Treatment × visit ²	LB × visit ²	-0.00035	-0.00044 to -0.00025	<0.001
	DPC × visit ²	-0.00074	-0.00083 to -0.00064	<0.001
	PP × visit ²	-0.00048	-0.00056 to -0.00039	<0.001
	CP × visit ²	-0.00066	-0.00075 to -0.00057	<0.001
Covariates	Age	0.0005	-0.0008 to 0.0018	0.422
	Sex	0.012	-0.036 to 0.060	0.634
Root formation (reference: mature)	Immature	0.002	-0.057 to 0.060	0.955
Intercept	Constant	-0.117	-0.350 to 0.115	0.323
Random effects (tooth level)				
Random intercept (SD)		0.240	0.208 to 0.276	-
Random slope for visit (SD)		0.036	0.032 to 0.041	-
Correlation structure		1.000	-1.00 to 1.00	-
Residual	Residual SD	0.238	0.229 to 0.247	-

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