

Supplementary Table 13. Fixed and random-effects model for the changes from baseline in pulp/tooth proportion values ($\Delta A1/A0$) in the DPC and PP groups against those in the LB group

Model component	Determinant/parameter	Estimate	95% CI	<i>p</i> -value
Fixed effects				
Treatment (reference: LB)	DPC	0.241	-0.615 to 1.097	0.581
	PP	0.136	-0.659 to 0.931	0.737
Visit (linear)	Visit	0.149	0.051 to 0.247	0.003
Treatment × visit	DPC × visit	-0.048	-0.184 to 0.088	0.490
	PP × visit	0.319	0.199 to 0.439	<0.001
Visit ²	Visit ²	-0.00091	-0.00126 to -0.00055	<0.001
Treatment × visit ²	DPC × visit ²	0.00066	0.00017 to 0.00115	0.008
	PP × visit ²	-0.00108	-0.00152 to -0.00065	<0.001
Covariates				
Age	Age	-0.0106	-0.0189 to -0.0023	0.012
Sex	Sex	-0.412	-0.742 to -0.082	0.014
Preoperative pulp diagnosis (reference: normal pulp)	Reversible pulpitis	0.343	-0.115 to 0.801	0.142
	Irreversible pulpitis	0.246	-0.262 to 0.754	0.342
Preoperative periapical status (reference: presence)	Absence	0.767	0.362 to 1.172	<0.001
Pulp dressing (reference: MTA)	Biodentine	-0.356	-0.727 to 0.015	0.060
Root formation (reference: mature)	Immature	-0.214	-0.617 to 0.189	0.299
Irrigant (reference: NSS)	NaOCl	-0.335	-0.736 to 0.065	0.101
Site of exposure (reference: mesial)	Distal	-0.071	-0.413 to 0.271	0.684
Intercept	Constant	1.283	-0.172 to 2.738	0.084
Random effects (tooth level)				
Random slope for visit (SD)		0.241	0.209 to 0.277	-
Random intercept (SD)		1.141	0.944 to 1.379	-
Correlation structure		1.000	-1.00 to 1.00	-
Residual	Residual SD	1.324	1.264 to 1.386	-

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