

Supplementary Table 25. Fixed and random-effects model for the changes from baseline of pulp/tooth proportion values ($\Delta A1/A0$) in the different groups of preoperative pulpal diagnosis, against the normal pulp group

Model component	Determinant/parameter	Estimate	95% CI	p-value
Fixed effects				
Preoperative pulp diagnosis (reference: normal pulp)	Reversible pulpitis	0.432	-0.433 to 1.297	0.328
	Irreversible pulpitis	0.305	-0.574 to 1.185	0.496
Visit (linear)	Visit	0.154	0.038 to 0.270	0.009
Preoperative pulp diagnosis \times visit	Reversible pulpitis \times visit	0.052	-0.092 to 0.196	0.478
	Irreversible pulpitis \times visit	0.276	0.136 to 0.416	<0.001
Visit ²	Visit ²	-0.00073	-0.00113 to -0.00033	<0.001
Preoperative pulp diagnosis \times visit ²	Reversible pulpitis \times visit ²	-0.00014	-0.00063 to 0.00036	0.587
	Irreversible pulpitis \times visit ²	-0.00112	-0.00160 to -0.00063	<0.001
Covariates				
Age	Age	-0.0106	-0.0191 to -0.0022	0.014
Sex	Sex	-0.412	-0.748 to -0.075	0.017
Treatment (reference: LB)	DPC	-0.241	-0.751 to 0.268	0.353
	PP	-0.155	-0.670 to 0.360	0.555
Preoperative periapical status (reference: presence)	Absence	0.767	0.353 to 1.181	<0.001
Pulp dressing (reference: MTA)	Biodentine	-0.356	-0.735 to 0.022	0.065
Root formation (reference: mature)	Immature	-0.214	-0.626 to 0.197	0.307
Irrigant (reference: NSS)	NaOCl	-0.335	-0.744 to 0.074	0.108
Site of exposure (reference: mesial)	Distal	-0.071	-0.419 to 0.278	0.691
Intercept	Constant	1.494	-0.020 to 3.008	0.053
Random effects (tooth level)				
Random slope for visit (SD)	SD (visit)	0.256	-	-
Random intercept (SD)	SD (intercept)	1.208	-	-
Correlation structure	Corr (visit, intercept)	1.000	-	-
Residual	Residual SD	1.351	-	-

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.