

Supplementary Table 28. Fixed and random-effects model for the changes from baseline of pulp/tooth proportion values ($\Delta B1/B0$) 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	0.066	-0.094 to 0.225	0.422
	Irreversible pulpitis	0.054	-0.106 to 0.215	0.507
Visit (linear)	Visit	0.072	0.053 to 0.090	<0.001
Preoperative pulp diagnosis \times visit	Reversible pulpitis \times visit	0.016	-0.007 to 0.039	0.164
	Irreversible pulpitis \times visit	0.032	0.011 to 0.054	0.003
Visit ²	Visit ²	-0.00058	-0.00066 to -0.00050	<0.001
Preoperative pulp diagnosis \times visit ²	Reversible pulpitis \times visit ²	-0.00009	-0.00019 to 0.00000	0.050
	Irreversible pulpitis \times visit ²	-0.00018	-0.00027 to -0.00009	<0.001
Covariates				
Age	Age	0.00006	-0.00152 to 0.00163	0.944
Sex	Sex	0.001	-0.060 to 0.063	0.964
Treatment (reference: LB)	DPC	0.385	0.289 to 0.481	<0.001
	PP	0.048	-0.048 to 0.144	0.327
	CP	-0.013	-0.156 to 0.131	0.862
Preoperative periapical status (reference: presence)	Absence	-0.007	-0.082 to 0.068	0.862
Pulp dressing (reference: MTA)	Biodentine	0.149	0.079 to 0.220	<0.001
Root formation (reference: mature)	Immature	-0.035	-0.110 to 0.040	0.360
Irrigant (reference: NSS)	NaOCl	0.000	-0.074 to 0.075	0.993
Intercept	Constant	-0.104	-0.382 to 0.174	0.465
Random effects (tooth level)				
Random slope for visit (SD)	SD (visit)	0.041	0.036 to 0.046	-
Random intercept (SD)	SD (Intercept)	0.222	0.185 to 0.267	-
Correlation structure	Corr (visit, intercept)	1.00	-1.000 to 1.000	-
Residual	Residual SD	0.260	0.249 to 0.272	-

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.