

*Supplementary materials*

# Resin-Bonded Prosthesis in posterior area to prevent early marginal bone resorption in implants placed at tissue level

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**Table S1** Generalized linear model with mixed effects of MBL-M and MBL-D at 12 months

Parameters	Coefficient	Robust SE	95% CI	p-value
<b>MBL-M</b>				
Gender	0.095	0.2314	[-0.357; 0.549]	0.678
Age	0.106	0.1078	[-0.104; 0.3177]	0.324
Location	-0.1306	0.1221	[-0.181; 0.224]	0.284
Diameter	-0.030	0.1805	[-0.384; 0.323]	0.866
Implant Placement timing	0.376	0.2570	[-0.1276; 0.8798]	0.143
RBP	-0.604	0.1754	[-1.062; -0.0391]	<b>0.035</b>
Teeth Endo Status	0.0214	0.1033	[-0.181; 0.224]	0.836
<b>MBL-D</b>				
Gender	-0.140	0.2165	[-0.565; 0.283]	0.516
Age	0.105	0.1019	[-0.092; 0.303]	0.298
Location	-0.1315	0.1142	[-0.355; 0.0924]	0.250
Diameter	-0.1338	0.1688	[-0.464; 0.1971]	0.428
Implant Placement timing	0.3109	0.2424	[-0.1641; 0.7860]	0.200
RBP	-0.553	0.2443	[-1.032; -0.0749]	<b>0.023</b>
Teeth Endo Status	0.774	0.9688	[-0.1123; 0.2673]	0.424

**Table S2**

Generalized linear model with mixed effects of Area-M and Area-D at 12 months

Parameters	Coefficient	Robust SE	95% CI	p-value
<b>Area-M</b>				
Gender	-0.015	0.1431	[-0.2969; 0.2668]	0.917
Age	0.1462	0.6725	[0.1484; 0.2771]	<b>0.029</b>
Location	-0.1202	0.0758	[-0.2688; 0.0284]	0.113
Diameter	-0.0536	0.1121	[-0.2733; 0.1664]	0.633
Implant Placement timing	0.2336	0.1597	[-0.0794; 0.5466]	0.144
RBP	-0.2526	0.1622	[-0.948; -0.2601]	0.119
Teeth Endo Status	0.0083	0.0643	[-0.1171; 0.1347]	0.897
<b>Area-D</b>				
Gender	-0.146	0.148	[-0.437; 0.145]	0.325
Age	0.1271	0.0793	[-0.0283; 0.2828]	0.109
Location	-0.0322	0.1703	[-0.3662; 0.3013]	0.849
Diameter	-0.1398	0.1327	[-0.4002; 0.1202]	0.292
Implant Placement timing	0.2650	0.1896	[-0.1066; 0.6368]	0.162
RBP	-0.4923	0.1920	[-0.4002; 0.1202]	<b>0.010</b>
Teeth Endo Status	-0.0142	0.0761	[-0.1635; 0.1349]	0.851

**Table S3**

Generalized linear model with mixed effects of CEJ-M and CEJ-D at 12 months

Parameters	Coefficient	Robust SE	95% CI	p-value
<b>CEJ-M</b>				
Gender	-0.0301	0.1832	[-0.3893; 0.3289]	0.869
Age	-0.1201	0.0853	[-0.2875; 0.0471]	0.159
Location	0.1560	0.0966	[-0.0333; 0.3454]	0.106
Diameter	-0.3103	0.1428	[-0.5903; -0.030]	0.060
Implant Placement timing	0.0908	0.2097	[-0.3203; 0.5019]	0.665
RBP	-0.17823	0.2066	[-0.5832; 0.2268]	0.388
Teeth Endo Status	-0.1512	0.0819	[-0.311; 0.009]	0.065
<b>CEJ-D</b>				
Gender	-0.0877	0.1634	[-0.4081; 0.2325]	0.591
Age	-0.1136	0.0761	[-0.2629; 0.0355]	0.136
Location	0.0248	0.0861	[-0.1440; 0.1938]	0.773
Diameter	0.04628	0.1274	[-0.2034; 0.2959]	0.717
Implant Placement timing	-0.0860	0.1870	[-0.4526; 0.2805]	0.646
RBP	0.1792	0.1843	[-0.182; 0.5404]	0.331
Teeth Endo Status	0.0732	0.0730	[-0.069; 0.2165]	0.316