

Supplementary material

Supplementary Table 1. 7mm exposure point testing

Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
Integrity vs. Omega	0.2433	0.1472 to 0.3394	Yes	****	< 0.0001
Multilink 8 vs. Omega	0.2029	0.1042 to 0.3016	Yes	****	< 0.0001
Biomatrix vs. Omega	0.4546	0.3585 to 0.5507	Yes	****	< 0.0001
PromusPremier vs. Omega	0.1639	0.06784 to 0.2600	Yes	****	< 0.0001
Multilink 8 vs. Integrity	-0.04039	-0.1391 to 0.05832	No	ns	> 0.9999
Biomatrix vs. Integrity	0.2113	0.1152 to 0.3074	Yes	****	< 0.0001
PromusPremier vs. Integrity	-0.07937	-0.1755 to 0.01671	No	ns	> 0.1871
Biomatrix vs. Multilink 8	0.2517	0.1530 to 0.3504	Yes	****	< 0.0001
PromusPremier vs. Multilink 8	-0.03899	-0.1377 to 0.05973	No	ns	> 0.9999
PromusPremier vs. Biomatrix	-0.2907	-0.3867 to -0.1946	Yes	****	< 0.0001

Supplementary table 2. 7mm exposure symmetrical testing

Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
Integrity vs. Omega	0.3833	0.1681 to 0.5986	Yes	***	0.0002
Multilink 8 vs. Omega	0.3881	0.1728 to 0.6033	Yes	***	0.0001
Biomatrix vs. Omega	1.142	0.9270 to 1.358	Yes	****	< 0.0001
PromusPremier vs. Omega	0.2992	0.08392 to 0.5144	Yes	**	0.0029
Multilink 8 vs. Integrity	0.004735	-0.2105 to 0.2200	No	ns	> 0.9999
Biomatrix vs. Integrity	0.7590	0.5437 to 0.9742	Yes	****	< 0.0001
PromusPremier vs. Integrity	-0.08415	-0.2994 to 0.1311	No	ns	> 0.9999
Biomatrix vs. Multilink 8	0.7542	0.5390 to 0.9695	Yes	****	< 0.0001
PromusPremier vs. Multilink 8	-0.08888	-0.3041 to 0.1264	No	ns	> 0.9999
PromusPremier vs. Biomatrix	-0.8431	-1.058 to -0.6279	Yes	****	< 0.0001

Supplementary table 3. 4mm exposure point testing

Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
Integrity vs. Omega	0.3604	0.01519 to 0.7056	Yes	*	0.0372
Multilink 8 vs. Omega	0.2181	-0.1271 to 0.5633	No	ns	0.5550
Biomatrix vs. Omega	0.4807	0.1355 to 0.8259	Yes	**	0.0036
Promus Premier vs. Omega	0.2856	-0.05964 to 0.6308	No	ns	0.1586
Multilink 8 vs. Integrity	-0.1423	-0.4875 to 0.2029	No	ns	> 0.9999
Biomatrix vs. Integrity	0.1203	-0.2249 to 0.4655	No	ns	> 0.9999
Promus Premier vs. Integrity	-0.07482	-0.4200 to 0.2704	No	ns	> 0.9999
Biomatrix vs. Multilink 8	0.2626	-0.08261 to 0.6078	No	ns	0.2452
Promus Premier vs. Multilink 8	0.06749	-0.2777 to 0.4127	No	ns	> 0.9999
Promus Premier vs. Biomatrix	-0.1951	-0.5403 to 0.1501	No	ns	0.8301

Supplementary table 4. 4mm exposure symmetrical testing

Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
Integrity vs. Omega	0.6688	0.1798 to 1.158	Yes	**	0.0043
Multilink 8 vs. Omega	0.4292	-0.05979 to 0.9182	No	ns	0.1135
Biomatrix vs. Omega	1.296	0.8066 to 1.785	Yes	****	< 0.0001
Promus Premier vs. Omega	0.8660	0.3771 to 1.355	Yes	***	0.0003
Multilink 8 vs. Integrity	-0.2396	-0.7285 to 0.2494	No	ns	> 0.9999
Biomatrix vs. Integrity	0.6268	0.1378 to 1.116	Yes	**	0.0075
Promus Premier vs. Integrity	0.1973	-0.2917 to 0.6863	No	ns	> 0.9999
Biomatrix vs. Multilink 8	0.8664	0.3774 to 1.355	Yes	***	0.0003
Promus Premier vs. Multilink 8	0.4369	-0.05212 to 0.9258	No	ns	0.1022
Promus Premier vs. Biomatrix	-0.4295	-0.9185 to 0.05944	No	ns	0.1130

Supplementary table 5. 12mm exposure point testing

Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
Integrity vs. Omega	0.3107	0.1551 to 0.4662	Yes	****	< 0.0001
Multilink 8 vs. Omega	0.4854	0.3299 to 0.6409	Yes	****	< 0.0001
Biomatrix vs. Omega	0.5705	0.4150 to 0.7260	Yes	****	< 0.0001
Promus Premier vs. Omega	0.1433	-0.01223 to 0.2988	No	ns	0.0848
Multilink 8 vs. Integrity	0.1748	0.01926 to 0.3303	Yes	*	0.0217
Biomatrix vs. Integrity	0.2598	0.1043 to 0.4154	Yes	***	0.0006
Promus Premier vs. Integrity	-0.1674	-0.3229 to -0.01185	Yes	*	0.0299
Biomatrix vs. Multilink 8	0.08506	-0.07046 to 0.2406	No	ns	0.9246
Promus Premier vs. Multilink 8	-0.3421	-0.4977 to -0.1866	Yes	****	< 0.0001
Promus Premier vs. Biomatrix	-0.4272	-0.5827 to -0.2717	Yes	****	< 0.0001

Supplementary table 6. 12mm exposure symmetrical testing

Bonferroni's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary	Adjusted P Value
Integrity vs. Omega	0.4720	0.1347 to 0.8093	Yes	**	0.0035
Multilink 8 vs. Omega	0.3289	-0.008409 to 0.6662	No	ns	0.0591
Biomatrix vs. Omega	0.4652	0.1279 to 0.8025	Yes	**	0.0040
Promus Premier vs. Omega	0.4279	0.09064 to 0.7653	Yes	**	0.0082
Multilink 8 vs. Integrity	-0.1431	-0.4804 to 0.1942	No	ns	> 0.9999
Biomatrix vs. Integrity	-0.006780	-0.3441 to 0.3305	No	ns	> 0.9999
Promus Premier vs. Integrity	-0.04403	-0.3813 to 0.2933	No	ns	> 0.9999
Biomatrix vs. Multilink 8	0.1363	-0.2010 to 0.4736	No	ns	> 0.9999
Promus Premier vs. Multilink 8	0.09905	-0.2383 to 0.4364	No	ns	> 0.9999
Promus Premier vs. Biomatrix	-0.03725	-0.3746 to 0.3001	No	ns	> 0.9999