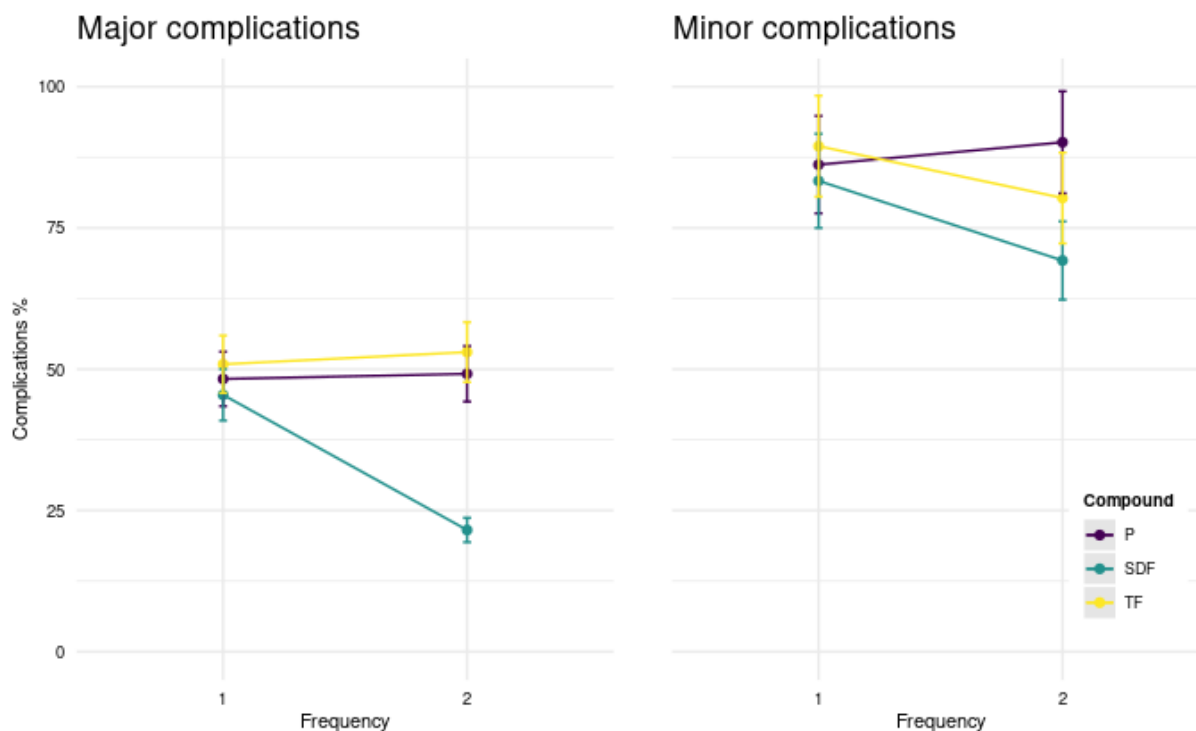


SUPPLEMENTARY MATERIAL

S1 Supplementary Figure 1. Un-adjusted factorial analysis of major and minor complications by compound and frequency (percentage and standard deviation) (P = Placebo; SDF = Silver Diamine Fluoride; TF = Tiefenfluoride).



S1: Supplementary Table 1. Adherence to treatment by group.

	P1, N = 58 ¹	P2, N = 61 ¹	TF1, N = 57 ¹	TF2, N = 66 ¹	SDF1, N = 66 ¹	SDF2, N = 65 ¹
Optimal	48 (83%)	46 (75%)	50 (88%)	50 (76%)	52 (79%)	47 (72%)
Suboptimal	10 (17%)	15 (25%)	7 (12%)	16 (24%)	14 (21%)	18 (28%)

¹ n (%)

S2: Supplementary Table 2. Major and minor complications covariates. Adherence had a negative and significant effect for "More frequent," while rare or no tooth brushing had a negative and significant effect. Baseline active lesions had a negative and significant effect, while gender, plaque, tooth brushing frequency and cooperation were not significant. The effect of age in months was statistically significant, but the lower limit of the 95% CI suggests that the magnitude of the effect could be small or clinically insignificant.

	Major complications			Minor complications		
	OR [†]	95% CI [†]	p-value	OR [†]	95% CI [†]	p-value
Gender						
Female	—	—		—	—	
Male	0.90	0.55, 1.47	0.7	0.79	0.41, 1.53	0.5
Age (months)	1.02	1.00, 1.04	0.029	1.04	1.02, 1.07	<0.001
Plaque						
Not visible	—	—		—	—	
Visible	1.56	0.87, 2.79	0.1	5.27	2.22, 12.5	<0.001
Toothbrushing frequency						
Optimal (twice or at night)	—	—		—	—	
Suboptimal (in mornings or less than once per day)	1.21	0.65, 2.26	0.5	1.08	0.37, 3.18	0.9
Parental brushing						
Every day	—	—		—	—	
Frequently or sometimes	1.28	0.71, 2.30	0.4	1.67	0.70, 4.00	0.3
Rarely or never	2.14	1.03, 4.43	0.041	0.95	0.32, 2.83	>0.9
Adherence to intervention protocol						
Optimal	—	—		—	—	
Suboptimal	0.98	0.55, 1.77	<0.9	0.58	0.25, 1.34	0.2
Child cooperation						
Good	—	—		—	—	
Average	0.89	0.47, 1.69	0.7	2.04	0.90, 4.59	0.087
Low	1.64	0.90, 2.99	0.1	3.20	1.40, 7.31	0.006
Active lesions at baseline	1.14	1.07, 1.21	<0.001	1.11	1.02, 1.22	0.022

† OR = Odds Ratio, CI = Confidence Interval

S3: Supplementary Table 3. Parental satisfaction with the appearance of the child's teeth covariates. The satisfaction increased with the age of participants and was higher when plaque was not visible. The effects of minor complications, major complications, and pain experience on satisfaction were not statistically significant.

	OR [†]	95% CI [†]	p-value
Gender			
Female	—	—	
Male	1.06	0.66, 1.69	0.8
Age(months)	1.04	1.02, 1.06	<0.001
Plaque			
Visible	—	—	
Not visible	1.93	1.15, 3.27	0.013
Minor complications			
No	—	—	
Yes	0.72	0.34, 1.48	0.4
Major complications			
No	—	—	
Yes	1.27	0.74, 2.19	0.4
Pain experience			
No experience	—	—	
Pain experience	1.25	0.57, 2.87	0.6

† OR = Odds Ratio, CI = Confidence Interval