Participant flow

Consented:	62
Screen Failure/Disqualified:	2
Randomized to treatment:	60
Withdrawal/Dropped:	6
Completed:	54

Baseline characteristics

Demographics Summary Treated Subjects				
Demographic/ Statistic or Category	Regular Manual Brush (n=30)	Electrical Toothbrush (n=30)	Overall (n=60)	p-value
Age (Years)				
Mean (SD)	17.1 (7.29)	15.7 (2.82)	16.4 (5.53)	0.319[a]
Min.-Max.	13 - 52	13 - 27	13 - 52	
Sex				
Female[b]	18 (60.0%)	12 (40.0%)	30 (50.0%)	0.196[c]
Male[b]	12 (40.0%)	18 (60.0%)	30 (50.0%)	
Race				
Asian Occidental[b]	1 (3.3%)	1 (3.3%)	2 (3.3%)	0.802[c]
Black[b]	1 (3.3%)	0 (0.0%)	1 (1.7%)	
Caucasian[b]	27 (90.0%)	26 (86.7%)	53 (88.3%)	
North African[b]	1 (3.3%)	3 (10.0%)	4 (6.7%)	
[a] Two-sided ANOVA p-value for the treatment comparison.				
[b] The number (percent) of subjects in each category.				
[c] Two-sided Fisher's exact test p-value for the treatment comparison.				

Outcome measures

<table>
<tr><td colspan="7">Change from Baseline Efficacy Results
Analysis of Covariance Summary
Loe Silness Gingival Index - Whole Mouth

Evaluable Subjects</td></tr>
<tr>
<th>Treatment</th>
<th>N</th>
<th>Adjusted Mean (SE)</th>
<th>% Change from Baseline</th>
<th>Treatment Difference (SE)</th>
<th>Trt Comparison 2-sided p-value (95% CI)</th>
<th>% Trt Difference Relative to Regular Manual Brush</th>
</tr>
<tr><td colspan="7">Week 6 (Overall Baseline=1.952, Error Variance=0.0277)</td></tr>
<tr><td>Regular Manual Brush</td><td>28</td><td>0.679 (0.0314)</td><td>34.8%</td><td>-0.039 (0.0445)</td><td>0.381 (-0.129, 0.050)</td><td></td></tr>
<tr><td>Electrical Toothbrush</td><td>28</td><td>0.718 (0.0314)</td><td>36.8%</td><td></td><td></td><td>5.8%</td></tr>
<tr><td colspan="7">Week 12 (Overall Baseline=1.957, Error Variance=0.0584)</td></tr>
<tr><td>Regular Manual Brush</td><td>28</td><td>1.200 (0.0457)</td><td>61.3%</td><td>-0.036 (0.0659)</td><td>0.587 (-0.168, 0.096)</td><td></td></tr>
<tr><td>Electrical Toothbrush</td><td>26</td><td>1.236 (0.0475)</td><td>63.2%</td><td></td><td></td><td>3.0%</td></tr>
</table>

<table>
<tr><td colspan="7">Change from Baseline Efficacy Results
Analysis of Covariance Summary
Loe Silness Number of Bleeding Sites - Whole Mouth

Evaluable Subjects</td></tr>
<tr>
<th>Treatment</th>
<th>N</th>
<th>Adjusted Mean (SE)</th>
<th>% Change from Baseline</th>
<th>Treatment Difference (SE)</th>
<th>Trt Comparison 2-sided p-value (95% CI)</th>
<th>% Trt Difference Relative to Regular Manual Brush</th>
</tr>
<tr><td colspan="7">Week 6 (Overall Baseline=121.464, Error Variance=327.1121)</td></tr>
<tr><td>Regular Manual Brush</td><td>28</td><td>82.32 (3.418)</td><td>67.8%</td><td>-3.64 (4.834)</td><td>0.455 (-13.33, 6.06)</td><td></td></tr>
<tr><td>Electrical Toothbrush</td><td>28</td><td>85.96 (3.418)</td><td>70.8%</td><td></td><td></td><td>4.4%</td></tr>
<tr><td colspan="7">Week 12 (Overall Baseline=122.056, Error Variance=127.2166)</td></tr>
<tr><td>Regular Manual Brush</td><td>28</td><td>112.18 (2.133)</td><td>91.9%</td><td>-0.75 (3.074)</td><td>0.809 (-6.92, 5.43)</td><td></td></tr>
<tr><td>Electrical Toothbrush</td><td>26</td><td>112.92 (2.214)</td><td>92.5%</td><td></td><td></td><td>0.7%</td></tr>
</table>

						% Trt Difference Relative to Regular Manual Brush
Baseline Visit Change from Pre- to Post-Brushing TQH Plaque Index - Single Brushing Analysis of Covariance Summary						
Evaluable Subjects						
Treatment	**N**	**Adjusted Mean (SE)**	**% Change from Baseline**	**Treatment Difference (SE)**	**Trt Comparison 2-sided p-value (95% CI)**	**% Trt Difference Relative to Regular Manual Brush**
Baseline (Overall Baseline=3.403, Error Variance=0.0646)						
Regular Manual Brush	30	0.709 (0.0465)	20.8%	-0.148 (0.0658)	0.029 (-0.279, -0.016)	
Electrical Toothbrush	30	0.856 (0.0465)	25.2%			20.8%

Change from Baseline in Pre-Brushing TQH Plaque Index - Multiple Brushing Analysis of Covariance Summary						
Evaluable Subjects						
Treatment	**N**	**Adjusted Mean (SE)**	**% Change from Baseline**	**Treatment Difference (SE)**	**Trt Comparison 2-sided p-value (95% CI)**	**% Trt Difference Relative to Regular Manual Brush**
Week 6 (Overall Baseline=3.413, Error Variance=0.1385)						
Regular Manual Brush	28	0.399 (0.0704)	11.7%	-0.215 (0.1005)	0.037 (-0.417, -0.013)	
Electrical Toothbrush	27	0.614 (0.0717)	18.0%			53.9%
Week 12 (Overall Baseline=3.411, Error Variance=0.1706)						
Regular Manual Brush	28	0.501 (0.0781)	14.7%	-0.211 (0.1126)	0.067 (-0.437, 0.015)	
Electrical Toothbrush	26	0.712 (0.0811)	20.9%			42.2%

Adverse events

There was one non-serious Adverse Events observed (Herpes upper right lip), mild in severity, not related to treatment product, no action was taken.