

Supplementary Table 1: Sample size calculation for sufficient statistical power. Cohen's f effect size is defined as a small effect size as 0.14, a medium effect size as 0.25, and a large effect size as 0.40.

Aim and End-point Type	Outcome(s). For each aim, outcomes are shown for CRS and olfactory function	Adjusted significance level	Power	Time points	Detectable effect size (Cohen's f)
<i>Aim 1 Co-primary</i>	<ul style="list-style-type: none"> • Percent sinus opacification • Olfactory bulb volume 	0.025	80%	3	0.18
<i>Aim 1 Secondary</i>	<ul style="list-style-type: none"> • SN-5 scores; • PSW scores, BQOD scores, olfactory cleft opacification 	0.013	80%	3	0.19
<i>Aims 2 & 3 Primary</i>	<ul style="list-style-type: none"> • Improvement in % sinus opacification • Improvement in olfactory bulb volume 	0.025	80%	3	0.18
<i>Aims 2 & 3 Secondary</i>	<ul style="list-style-type: none"> • Improvement in SN-5 scores • Improvement in PSW scores, BQOD scores, olfactory cleft opacification 	0.013	80%	3	0.19

Abbreviations: SN-5: Sinonasal 5, PSW: Pediatric Smell Wheel, BQOD: Brief Questionnaire of Olfactory Disorders.