

Supplementary Table 2A. Comparison of TNES changes between two groups at each time point

	NOSSHA [®] group (n=14)		Control group (n=15)		p-value* (within FU visit)	p-value† (overall)
	Mean	SEM	Mean	SEM		
Week 1	0.290	0.628	0.396	0.606	0.904	0.024
Week 2	2.075	0.607	0.663	0.587	0.100	
Week 4	4.432	0.577	2.196	0.557	0.007	
Week 6	6.147	0.554	3.330	0.536	0.001	
Week 8	6.361	0.652	4.130	0.630	0.017	

After adjusting age, sex and baseline TNES, TNES changes from baseline were assessed in the mixed effect model for repeated measures (MMRM) analysis with an unstructured covariance matrix. NOSSHA[®] irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *a post-hoc analysis compared TNES changes from baseline between two models at each follow-up visit; †the overall test compared TNES changes from baseline between the two models. TNES, total nasal endoscopic score; FU, follow-up

Supplementary Table 2B. Comparison of TNSS changes between two groups at each time point

	NOSSHA [®] group (n=14)		Control group (n=15)		p-value* (within FU visit)	p-value† (overall)
	Mean	SEM	Mean	SEM		
Week 1	2.217	9.319	0.258	12.870	0.902	0.882
Week 2	2.646	9.319	0.675	12.870	0.901	
Week 4	3.360	9.321	0.475	12.871	0.856	
Week 6	4.146	9.318	1.608	12.869	0.873	
Week 8	3.789	9.319	2.142	12.869	0.917	

After adjusting age, sex and baseline TNSS, TNSS changes from baseline were assessed in the mixed effect model for repeated measures analysis with an unstructured covariance matrix. NOSSHA[®] irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *a post-hoc analysis compared TNSS changes from baseline between two models at each follow-up visit; †the overall test compared TNSS changes from baseline between the two models. TNSS, total nasal symptom score; SEM, standard error of the mean; FU, follow-up

Supplementary Table 2C. Comparison of QOL changes between two groups at each time point

	NOSSHA [®] group (n=14)		Control group (n=15)		p-value* (within FU visit)	p-value† (overall)
	Mean	SEM	Mean	SEM		
Week 1	5.984	1.874	0.323	1.729	0.031	0.057
Week 2	7.627	2.537	2.743	2.391	0.168	
Week 4	10.699	2.744	3.477	2.596	0.063	
Week 6	12.984	2.483	5.677	2.338	0.038	
Week 8	13.341	2.557	7.477	2.411	0.103	

After adjusting age, sex and baseline QOL, QOL changes from baseline were assessed in the mixed effect model for repeated measures analysis with an unstructured covariance matrix. NOSSHA[®] irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *a post-hoc analysis compared QOL changes from baseline between two models at each follow-up visit; †the overall test compared QOL changes from baseline between the two models. QOL, quality of life; SEM, standard error of the mean; FU, follow-up

Supplementary Table 2D. Comparison of VAS changes between two groups at each time point

	NOSSHA [®] group (n=14)		Control group (n=15)		p-value* (within FU visit)	p-value† (overall)
	Mean	SEM	Mean	SEM		
Week 1	3.369	0.718	2.162	0.690	0.231	0.407
Week 2	3.012	0.640	2.496	0.614	0.563	
Week 4	3.940	0.676	3.362	0.649	0.540	
Week 6	4.512	0.624	3.762	0.598	0.389	
Week 8	4.726	0.663	4.296	0.636	0.642	

After adjusting age, sex and baseline VAS, VAS changes from baseline were assessed in the mixed effect model for repeated measures analysis with an unstructured covariance matrix. NOSSHA[®] irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *a post-hoc analysis compared VAS changes from baseline between two models at each follow-up visit; †the overall test compared VAS changes from baseline between the two models. VAS, visual analog scale; SEM, standard error of the mean; FU, follow-up