Supplementary Table 1A. Postoperative change in total nasal endoscopic score in both groups

	NOSSHA® group (n=14)				Control group (n=15)			
	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)
Week 0	6.929	0.462		<0.001	5.267	0.441		<0.001
Week 1	6.643	0.520	>0.999		4.867	0.487	>0.999	
Week 2	4.857	0.467	0.042		4.600	0.412	>0.999	
Week 4	2.500	0.389	<0.001		3.067	0.384	0.001	
Week 6	0.786	0.281	<0.001		1.933	0.316	<0.001	
Week 8	0.571	0.291	<0.001		1.133	0.363	<0.001	

The outcome scores, assessed using the mixed-effect model for repeated measures analysis with an unstructured covariance matrix. NOSSHA® irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *the score at each follow-up visit was compared to the baseline score for the post-hoc analysis with Bonferroni correction; †the overall test, compared to the outcome scores among follow-up visits within each model. SEM, standard error of the mean; ref., reference

Supplementary Table 1B. Postoperative change in total nasal symptom score in both groups

	NOSSHA® (n=14)				Control (n=15)			
	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)
Week 0	5.714	0.904		<0.001	3.867	0.856		0.014
Week 1	3.643	0.617	0.197		3.733	0.746	>0.999	
Week 2	3.214	0.728	0.073		2.800	0.500	0.731	
Week 4	2.500	0.701	0.049		3.000	0.535	>0.999	
Week 6	1.714	0.588	0.001		1.867	0.559	0.195	
Week 8	2.071	0.745	0.003		1.333	0.374	0.040	

Outcome scores were assessed using the mixed effect model for repeated-measures analysis with an unstructured covariance matrix. NOSSHA® irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *the score at each follow-up visit was compared to the baseline score for the post-hoc analysis with Bonferroni correction; †the overall test compared outcome scores among follow-up visits within each model. SEM, standard error of the mean; ref., reference

Supplementary Table 1C. Postoperative change in quality of life in both groups

	NOSSHA® (n=14)				Control (n=15)			
	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)
Week 0	19.929	2.640		<0.001	15.000	2.589		0.007
Week 1	13.214	1.665	0.026		14.667	1.968	>0.999	
Week 2	11.571	2.013	0.015		11.600	1.323	>0.999	
Week 4	8.500	2.083	0.003		10.867	1.171	0.660	
Week 6	6.214	1.601	<0.001		8.667	1.279	0.132	
Week 8	5.857	1.824	<0.001		6.867	1.077	0.044	

Outcome scores were assessed using the mixed effect model for repeated-measures analysis with an unstructured covariance matrix. NOSSHA® irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *the score at each follow-up visit was compared to the baseline score for the post-hoc analysis with Bonferroni correction; †the overall test compared outcome scores among follow-up visits within each model. SEM, standard error of the mean; ref., reference

Supplementary Table 1D. Postoperative change in visual analog scale in both groups

	NOSSHA® (n=14)				Control (n=15)			
	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)	Mean	SEM	p-value* (ref. baseline)	p-value† (overall)
Week 0	5.214	0.735		<0.001	4.667	0.549		<0.001
Week 1	1.714	0.438	0.002		2.467	0.533	0.013	
Week 2	2.071	0.691	0.006		2.133	0.524	0.003	
Week 4	1.143	0.479	<0.001		1.267	0.419	<0.001	
Week 6	0.571	0.309	<0.001		0.867	0.363	<0.001	
Week 8	0.357	0.199	<0.001		0.333	0.126	<0.001	

Outcome scores were assessed using the mixed effect model for repeated-measures analysis with an unstructured covariance matrix. NOSSHA® irrigation system (Womens Care Co., Ltd.; Seoul, Korea). *the score at each follow-up visit was compared to the baseline score for the post-hoc analysis with Bonferroni correction; †the overall test compared outcome scores among follow-up visits within each model. SEM, standard error of the mean; ref., reference