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| **Supplemental Table 1.** Demographic and Personal Characteristics of the Case and Control Groups. | | |
| Characteristic | Case group (N = 40), n (%) | Control group (N = 160), n (%) |
| Age |  |  |
| ≤20 years | 6 (15) | 22 (13.75) |
| 21–30 years | 25 (62.5) | 102 (63.75) |
| 31–40 years | 9 (22.5) | 36 (22.5) |
| Gender |  |  |
| Male | 29 (72.5) | 119 (74.4) |
| Female | 11 (27.5) | 41 (25.6) |
| Asthma | 4 (10) | 17 (10.6) |
| Allergic rhinitis | 14 (35) | 0 (0) |
| Smoking | 7 (17.5) | 26 (16.3) |

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| **Supplemental Table 2.** Comparisons between Preoperative and Postoperative NOSE scores in the Case Group and between Postoperative Case Group Scores and Control Group Scores. | | | | |
| Preoperative  mean ± SD | Postoperative  mean ± SD | *P* valuea | Control  mean ± SD | *P* valuea |
| 58.4 ± 23.7 | 15.0 ± 18.6 | <.001 | 13.28 ± 8.13 | .377 |
| aPaired t-test. | | | | |

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| **Supplemental Table 3.** Comparisons of mean Preoperative and Postoperative NOSE Item Scores in the Case Group and between Postoperative Case Group Scores and ControlGroup Scores. | | | | | |
| Item | Preoperative mean ± SD | Postoperative mean ± SD | *P* valuea | Control mean ± SD | *P* valueb |
| Nasal congestion or stuffiness | 2.15 ± 1.35 | 0.55 ± 0.81 | <.001 | 0.75 ± 0.79 | .154 |
| Nasal blockade or obstruction | 2.63 ± 0.95 | 0.6 ± 0.93 | <.001 | 0.28 ± 0.45 | .002 |
| Trouble breathing through my nose | 2.5 ± 1.27 | 0.5 ± 0.91 | <.001 | 0.27 ± 0.49 | .028 |
| Trouble sleeping | 2.05 ± 1.33 | 0.55 ± 0.81 | <.001 | 0.59 ± 0.58 | .736 |
| Unable to get enough air through my nose during exercise or exertion | 2.35 ± 1.33 | 0.8 ± 1.09 | <.001 | 0.77 ± 0.73 | .828 |
| aComparison between pre- and postoperative scores in the case group.  bComparison between postoperative case group scores and control group scores. | | | | | |

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| **Supplemental Table 4.** Frequency of Preoperative and PostoperativeNasal Symptoms. | | | |
| Symptom | Preoperative, n (%) | Postoperative, n (%) | *P* valuea |
| Nasal discharge | 21 (52.5) | 5 (12.5) | <.001 |
| Headache | 31 (77.5) | 5 (12.5) | <.005 |
| Facial pressure | 14 (35) | 2 (5) | .001 |
| Loss of smell | 14 (35) | 2 (5) | .001 |
| Epistaxis | 9 (22.5) | 1 (2.5) | .014 |
| Obstruction | 38 (95) | 7 (17.5) | <.001 |
| Postnasal drip | 20 (50) | 5 (12.5) | .001 |
| aFischer’s exact test. | | | |

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| **Supplemental Table 5.** Mean Preoperative and Postoperative NOSE Scores According to Patient Characteristics. | | | |
| Characteristic | Preoperative  mean ± SD | Postoperative  mean ± SD | *P* valuea |
| Age |  |  |  |
| 11–20 years | 42.5 ± 12.9 | 7.50 ± 9.87 | .002 |
| 21–30 years | 60.2 ± 22.9 | 13.4 ± 19.9 | <.001 |
| 31–40 years | 63.9 ± 22.9 | 24.4 ± 16.7 | .017 |
| Gender |  |  |  |
| Male | 59.1 ± 24.9 | 14.1 ± 16.6 | <.001 |
| Female | 56.4 ± 21.2 | 17.3 ± 23.8 | .001 |
| Asthma |  |  |  |
| Yes | 61.2 ± 18.4 | 7.50 ± 8.66 | .002 |
| No | 58.1 ± 24.4 | 15.8 ± 19.3 | <.001 |
| Smoking |  |  |  |
| Yes | 50.7 ± 30.2 | 20.7 ± 14.6 | .071 |
| No | 60.0 ± 22.3 | 13.8 ± 19.3 | <.001 |
| Allergic rhinitis |  |  |  |
| Yes | 65.4 ± 21.6 | 12.5 ± 11.4 | <.001 |
| No | 54.6 ± 24.3 | 16.3 ± 21.6 | <.001 |
| Turbinoplasty |  |  |  |
| Yes | 59.8 ± 24.4 | 15.2± 16.9 | <.001 |
| No | 53.3 ± 21.4 | 14.4 ± 24.8 | .015 |
| aPaired t-test. | | | |