

Table S1 Univariate logistic regression analysis of voice parameters and DMV

Voice parameters	OR	95% CI	P value
a_pitch	0.987	0.984–0.99	<0.001
a_f1	0.995	0.994–0.997	<0.001
a_f2	0.996	0.995–0.997	<0.001
a_f3	0.998	0.997–0.999	<0.001
a_f4	0.999	0.998–0.999	<0.001
a_bw1	0.997	0.996–0.998	<0.001
a_bw2	0.999	0.998–1.000	0.102
a_bw3	0.999	0.998–1.000	0.003
a_bw4	1.000	0.999–1.001	0.515
e_pitch	0.986	0.983–0.989	<0.001
e_f1	0.997	0.995–0.999	0.005
e_f2	0.997	0.996–0.998	<0.001
e_f3	0.997	0.996–0.998	<0.001
e_f4	0.997	0.996–0.998	<0.001
e_bw1	1.000	0.998–1.001	0.624
e_bw2	1.000	0.999–1.001	0.406
e_bw3	0.999	0.998–1.000	0.012
e_bw4	1.000	0.999–1.000	0.319
ü_pitch	0.987	0.984–0.99	<0.001
ü_f1	0.998	0.997–1.000	0.106
ü_f2	0.997	0.996–0.999	<0.001
ü_f3	0.998	0.997–0.999	<0.001
ü_f4	0.998	0.997–0.999	<0.001
ü_bw1	1.001	1.000–1.002	0.134
ü_bw2	0.998	0.997–0.999	<0.001
ü_bw3	1.001	1.000–1.002	0.074
ü_bw4	1.000	0.999–1.002	0.368
u_pitch	0.986	0.983–0.989	<0.001
u_f1	0.998	0.996–1.000	0.065
u_f2	1.000	0.999–1.001	0.588
u_f3	0.999	0.998–1.000	0.301
u_f4	0.997	0.996–0.998	<0.001
u_bw1	1.000	0.999–1.002	0.757
u_bw2	1.000	0.999–1.001	0.907
u_bw3	0.999	0.998–1.000	0.008
u_bw4	0.999	0.998–1.000	0.006

Table S1 (*continued*)

Table S1 (*continued*)

Voice parameters	OR	95% CI	P value
o_pitch	0.988	0.984–0.991	<0.001
o_f1	0.998	0.996–1.000	0.066
o_f2	1.000	0.999–1.001	0.562
o_f3	0.998	0.997–0.999	<0.001
o_f4	0.998	0.996–0.999	<0.001
o_bw1	1.001	0.999–1.002	0.246
o_bw2	1.001	1.000–1.002	0.031
o_bw3	0.999	0.998–1.000	0.022
o_bw4	1.000	0.999–1.001	0.674
i_pitch	0.987	0.984–0.99	<0.001
i_f1	0.998	0.996–1.000	0.036
i_f2	0.998	0.997–0.999	<0.001
i_f3	0.997	0.996–0.998	<0.001
i_f4	0.997	0.996–0.998	<0.001
i_bw1	0.999	0.998–1.001	0.306
i_bw2	0.999	0.998–1.000	0.021
i_bw3	1.000	0.999–1.001	0.882
i_bw4	1.000	0.999–1.001	0.656
ci_pitch	0.988	0.984–0.99	<0.001
ci_f1	1.000	0.998–1.002	0.718
ci_f2	0.997	0.995–0.998	<0.001
ci_f3	0.998	0.997–0.999	0.001
ci_f4	0.997	0.996–0.998	<0.001
ci_bw1	1.002	1.000–1.003	0.021
ci_bw2	1.000	0.999–1.001	0.877
ci_bw3	0.999	0.998–1.000	0.035
ci_bw4	0.998	0.997–0.999	0.004
qi_pitch	0.987	0.984–0.99	<0.001
qi_f1	1.003	1.001–1.005	0.002
qi_f2	0.998	0.997–0.999	<0.001
qi_f3	0.997	0.996–0.998	<0.001
qi_f4	0.997	0.996–0.998	<0.001
qi_bw1	1.002	1.001–1.004	0.001
qi_bw2	0.999	0.998–1.000	0.024
qi_bw3	1.000	0.999–1.001	0.83
qi_bw4	1.001	1.000–1.002	0.166

Table S1 (*continued*)

Table S1 (*continued*)

Voice parameters	OR	95% CI	P value
chi_pitch	0.988	0.985–0.991	<0.001
chi_f1	1.000	0.999–1.002	0.773
chi_f2	0.998	0.997–0.999	<0.001
chi_f3	1.000	0.999–1.001	0.529
chi_f4	1.000	0.999–1.001	0.851
chi_bw1	1.002	1.001–1.003	0.005
chi_bw2	0.999	0.998–1.000	0.048
chi_bw3	0.999	0.998–1.000	0.004
chi_bw4	0.999	0.998–1.000	0.017
le_pitch	0.989	0.986–0.992	<0.001
le_f1	0.998	0.995–1.000	0.033
le_f2	0.999	0.998–1.000	0.024
le_f3	0.997	0.996–0.998	<0.001
le_f4	0.997	0.996–0.998	<0.001
le_bw1	1.000	0.999–1.002	0.605
le_bw2	1.000	0.999–1.001	0.513
le_bw3	0.998	0.998–0.999	<0.001
le_bw4	0.999	0.998–1.000	0.067
ke_pitch	0.989	0.986–0.992	<0.001
ke_f1	0.998	0.996–1.000	0.06
ke_f2	0.998	0.997–0.999	0.006
ke_f3	0.997	0.996–0.998	<0.001
ke_f4	0.997	0.996–0.998	<0.001
ke_bw1	1.000	0.999–1.002	0.58
ke_bw2	1.001	1.000–1.002	0.16
ke_bw3	0.999	0.998–1.000	0.129
ke_bw4	0.998	0.997–0.999	0.001
en_pitch	0.985	0.982–0.988	<0.001
en_f1	1.000	0.998–1.002	0.821
en_f2	0.998	0.997–0.999	0.003
en_f3	0.998	0.997–0.999	<0.001
en_f4	0.998	0.997–0.999	<0.001
en_bw1	1.001	1.000–1.003	0.075
en_bw2	1.000	0.999–1.000	0.369
en_bw3	0.999	0.998–1.000	0.026
en_bw4	1.000	0.999–1.001	0.574

DMV, difficult mask ventilation; OR, odds ratio; CI, confidence interval.