

Supplementary Material 2. Post-hoc Comparisons of Endoscopic Exposure to Each Particle Size under Different Experimental Conditions

0.3 μm	Baseline	No device use	Modified mask	Vinyl-box with suction	Vinyl-box without suction	Aerosol box
Baseline	-	<0.001	0.06	0.21	<0.001	<0.001
No device use	<0.001	-	<0.001	<0.001	<0.001	0.24
Modified mask	0.06	<0.001	-	0.99	0.02	<0.001
Vinyl-box with suction	0.21	<0.001	0.99	-	0.002	<0.001
Vinyl-box without suction	<0.001	<0.001	0.02	0.002	-	<0.001
Aerosol box	<0.001	0.24	<0.001	<0.001	<0.001	-

0.5 μm	Baseline	No device use	Modified mask	Vinyl-box with suction	Vinyl-box without suction	Aerosol box
Baseline	-	<0.001	0.71	0.94	<0.001	<0.001
No device use	<0.001	-	<0.001	<0.001	<0.001	0.13
Modified mask	0.71	<0.001	-	0.99	0.17	<0.001
Vinyl-box with suction	0.94	<0.001	0.99	-	0.04	<0.001
Vinyl-box without suction	<0.001	<0.001	0.17	0.04	-	<0.001
Aerosol box	<0.001	0.13	<0.001	<0.001	<0.001	-

1.0 μm	Baseline	No device use	Modified mask	Vinyl-box with suction	Vinyl-box without suction	Aerosol box
Baseline	-	<0.001	0.93	0.99	0.02	<0.001
No device use	<0.001	-	<0.001	<0.001	<0.001	0.11
Modified mask	0.93	<0.001	-	0.99	0.31	<0.001
Vinyl-box with suction	0.99	<0.001	0.99	-	0.04	<0.001
Vinyl-box without suction	0.02	<0.001	0.31	0.04	-	<0.001
Aerosol box	<0.001	0.11	<0.001	<0.001	<0.001	-

2.0 μm	Baseline	No device use	Modified mask	Vinyl-box with suction	Vinyl-box without suction	Aerosol box
Baseline	-	<0.001	0.93	0.99	0.02	<0.001
No device use	<0.001	-	<0.001	<0.001	<0.001	0.11
Modified mask	0.93	<0.001	-	0.99	0.31	<0.001
Vinyl-box with suction	0.99	<0.001	0.99	-	0.04	<0.001
Vinyl-box without suction	0.02	<0.001	0.31	0.04	-	<0.001
Aerosol box	<0.001	0.11	<0.001	<0.001	<0.001	-

Values represent the *P* value comparing the airborne particles amount.