

Multicenter Epidemiologic Study of COVID-19–Associated Mucormycosis, India

Appendix

Appendix Table 1. Mortality rates a 6 and 12 weeks among patients treated with combined surgical and medical management for mucormycosis, India*

Site of mucormycosis	Alive, no. (%)	Dead, no. (%)	p value
6-Week mortality rates			
Rhino-orbital	89/117 (76.1)	38/50 (76)	0.99
Other (cutaneous, stomach, disseminated, other)	9/13 (69.2)	6/7 (85.7)	0.61
Pulmonary	2/8 (25)	2/14 (14.3)	0.54
Rhino-orbital-cerebral	35/39 (89.7)	23/39 (59)	0.004
12-Week mortality rates			
Rhino-orbital	76/98 (77.6)	41/53 (77.4)	0.98
Other (cutaneous, stomach, disseminated, other)	7/9 (77.8)	7/8 (87.5)	0.60
Pulmonary	2/9 (22.2)	2/13 (15.4)	0.69
Rhino-orbital-cerebral	22/23 (95.7)	28/43 (65.1)	0.006

Appendix Table 2. Multivariate analysis of factors predicting death at 12 weeks in patients with mucormycosis, India*

Variables	Survived (n = 139)	Died (n = 117)	OR (95% CI)	p value
Mean age, y (SD)	51.6 (15.1)	55.5 (14.3)	1.03 (1.01–1.06)	0.002
Underlying disease				
None	9 (6.5)	8 (6.8)		
COVID-19	34 (24.5)	21 (17.9)	0.90 (0.26–3.10)	0.87
Diabetes mellitus	82 (59)	75 (64.2)	1.32 (0.43–4.04)	0.63
Traumatic inoculation	6 (4.3)	6 (5.1)	3.39 (0.63–18.23)	0.16
Others	5 (3.6)	3 (2.6)	1.05 (0.15–7.22)	0.96
Renal transplantation	1 (0.7)	2 (1.7)	6.98 (0.43–113.86)	0.17
Hematological malignancy	2 (1.4)	2 (1.7)	1.73 (0.13–23.38)	0.68
Site of involvement				
Rhino-orbital	98 (70.5)	53 (45.3)		
Rhino-orbital-cerebral	23 (16.5)	43 (36.8)	3.77 (1.92–7.39)	0.0001
Pulmonary	9 (6.5)	13 (11.1)	2.26 (0.73–7.02)	0.16
Others†	9 (6.5)	8 (6.8)	1.53 (0.48–4.91)	0.47
Admission to the intensive care unit	25 (18)	35 (29.9)	2.59 (1.24–5.42)	0.011
Combined medical surgical therapy	107 (77)	78 (66.7)	0.79 (0.388–1.59)	0.50
Combination of antifungals				
Single antifungal drug	70 (50.4)	88 (75.2)		
Concurrent	8 (5.7)	5 (4.3)	0.29 (0.07–1.19)	0.09
Sequential	61 (43.9)	24 (20.5)	0.20 (0.10–0.39)	0.0001

*Values are no. (%) except where otherwise indicated. COVID-19, coronavirus disease; OR, odds ratio. Bold text indicates statistical significance.

†Includes cutaneous, stomach, disseminated and others.