

Supplementary Appendix for

COVID-19 associated Mucormycosis Presenting to the Emergency Department – An Observational Study of 70 Patients

Data Collection Form

COVID – MUCORMYCOSIS DATA COLLECTION FORM		
Name & UHID		WRITE (YES/NO/ANY DETAILS)
Age		
Gender		
Permanent Address		
Telephone number of attendant		
Whether admitted elsewhere (take pics of previous documents)		
Date and Time of Arrival		
Triage		
Symptoms (COVID)	Fever and grade	
	Headache	
	Body aches	
	Eye pain	
	Chills	
	Cough with sputum	
	Dry cough	
	Sore throat	
	Rhinorrhea	
	Hemoptysis	
	Shortness of breath	
	Nausea	
	Vomiting	
	Diarrhea	
Signs and symptoms of mucormycosis (MM)	Chills	
	Loss of smell	
	Loss of taste	
	Nasal stuffiness	

	Epistaxis	
	Nasal ulceration	
	Rhinorrhea	
	Face tenderness (where)	
	Face ulceration, any lesion	
	Blindness	
	Ophthalmoplegia	
	Proptosis	
	Periorbital swelling	
	Cutaneous lesion	
	Focal neurological deficit (details)	
	Altered sensorium	
	Any renal symptoms like flank pain, hematuria	
Significant Past Medical History and specific risk factors of MM		
	Diabetes (controlled or not) (on which drug – OHA/insulin, dosage)	
	Hypertension	
	Coronary artery disease	
	Cancer, any hematological malignancy	
	<p><i>Steroid use for COVID:</i></p> <p>How many days of steroid use?</p> <p>Dexamethasone/ Wysolone/ Methylprednisolone / Other</p> <p>Dosage</p> <p>At which stage of COVID was the steroid used?</p> <p>Where was the patient treated?</p>	
	Transplant patient (hematopoietic cells/solid organ)	
	AIDS	
	Injection drug user	

	Trauma	
	Burns	
	Malnutrition	
	Severity of COVID mild/moderate/severe at symptom onset	
	Transplant patient (hematopoietic cells/solid organ)	
	Immunocompromised state (other)	
Primary survey on ED arrival:		
Physical Exam Findings on Initial Assessment	Face Eye Ear Nose	
	Throat	
	Lymph nodes	
	Rash	
	Chest auscultation	
	Liver	
	Spleen	
Vaccination status		
	Which vaccine Date of 1 st dose Date of 2 nd dose	
How was the diagnosis made? (clinical and radiological images to be taken) (date of tests done)	CT PNS, face, brain MRI Tissue diagnosis – KOH mount Fungal culture CT chest showing pulmonary mucor	
CXR findings	Date/time	
If covid was diagnosed in other hospital, what all		

treatment were given (including oxygen therapy, steroids, any other immunosuppressants, etc – take all details)		
Emergency Diagnosis	Mild COVID	
	Moderate COVID	
	Severe COVID	
Type of mucormycosis	Rhinocerebral	
	Pulmonary	
	Renal	
	Gastrointestinal	
	Cutaneous	
	Isolated CNS	
	disseminated	
Main Treatment Given in the ED	Oxygen	Equipment – face mask/NRBM/ bain circuit/ NIV/ HFNC
	NIV	Type
	Intubation	RSI/ Awake/DSI
	Steroids – Dexa/ Methylpred/Wysolone Dosage Clexane & Dosage	
	Liposomal Amphotericin B - yes / no Posaconazole - yes/no Isavuconazole Caspofungin - yes /no Any combination done Surgery planned??	
Laboratory Findings	CBC – Hb/TLC/ Polys/ lymphos/platelets	
	CRP	
	Procalcitonin	
	D dimer	
	Urea/ creatinine	
	Ferritin	

	ABG	
Date and Time of ED Disposition (details)		
Total Duration of Stay in ED		
ANY OTHER RELEVANT DETAILS		

Supplementary Figure – 1

Epidemiological trends of COVID-19 patient surge and Mucormycosis patients surge showing a lag period of 20 days between COVID-19 peak and Mucormycosis peak

