

# THE LANCET Microbe

## Supplementary appendix

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Supplement to: Brown L-A K, Ellis J, Gorton R, et al. Surveillance for COVID-19-associated pulmonary aspergillosis. *Lancet Microbe* 2020; **1**: e152

**Table 1.** Characteristics of patients identified through active surveillance for COVID-19-associated pulmonary aspergillosis (CAPA).

Patient number	Age, gender	EORTC/MSGERC host factor	Serum biomarkers	ETA GM	ETA <i>Aspergillus</i> PCR	ETA Culture	Antifungal therapy during surveillance period	Putative CAPA	Outcome	Comment
1	27M	Yes (Acute myeloid leukaemia)	5 x negative GM 4 x negative BDG	<b>2 x positive</b>	2 x positive	<b>1 x <i>Aspergillus fumigatus</i></b>	Itraconazole (prophylaxis), Caspofungin, Posaconazole	<b>Yes</b>	Discharged	EORTC/MSGERC host factor present
2	40M	Yes (Acute lymphoblastic leukaemia, allogeneic HSCT)	6 x negative GM 5 x negative BDG	<b>2 x positive</b> 1 x negative	<b>1 x positive</b>	No growth	Liposomal amphotericin, Caspofungin, Itraconazole	<b>Yes</b>	Died 38 days after intubation	EORTC/MSGERC classical host factor present Chest imaging suspicious for IPA
3	66M	No	1 x negative GM <b>3 x positive BDG</b>	1 x negative	N/A	No growth	None	No	Died 34 days after intubation	No clear cause for raised BDG found Died from gastrointestinal haemorrhage and kidney failure
4	66M	No	3 x negative GM <b>2 x positive BDG</b>	<b>1 x positive</b> 2 x negative	Not done	No growth	Caspofungin, fluconazole	No	Died 58 days after intubation	<i>C. albicans</i> in blood culture
5	70M	No	4 x negative GM 3 x negative BDG	<b>1 x positive</b> 2 x negative	<b>1 x positive</b>	No growth	Fluconazole	No	Died 47 days after intubation	Only 1 positive ETA for GM out of 3 samples, considered clinically non-significant. Treated for oral candidiasis
6	66M	No	3 x negative GM 2 x negative BDG	<b>1 x positive</b> 1 x negative	<b>1 x positive</b>	No growth	Caspofungin	No	Discharged	Clinically improved before institution of antifungals making CAPA unlikely
7	47M	No	2 x negative GM 3 x positive BDG	1 x positive	1 x positive	1 x <i>Aspergillus fumigatus</i>	Caspofungin	No	Discharged	Underlying tracheobronchomegaly. Respiratory function improved before institution of antifungals making CAPA unlikely. Treated for oral candidiasis

Abbreviations: EORTC/MSGERC, European Organization for Research and Treatment of Cancer and the Mycoses Study Group Education and Research Consortium; ETA, endotracheal aspirate; GM, galactomannan; PCR, polymerase chain reaction; BDG, beta-D-glucan; HSCT, haematopoietic stem cell transplantation; IPA, invasive pulmonary aspergillosis