

Supplementary Table S1: Overview of *Aspergillus* tests performed and outcomes for proven or probable CAPA patients positive for serum GM, BDG, or *Aspergillus* PCR

BAL <i>Aspergillus</i> culture	BAL GM index ≥ 1.0	BAL <i>Aspergillus</i> PCR	NBL <i>Aspergillus</i> culture	NBL GM index ≥ 4.5	NBL <i>Aspergillus</i> PCR	BA <i>Aspergillus</i> culture	sputum <i>Aspergillus</i> culture	serum GM index > 0.5	serum BDG ≥ 80 pg/mL	serum <i>Aspergillus</i> PCR	Antifungal treatment	Length of stay in ICU	Patient status
●	●	●						○	●	○	VRC	24 days	deceased
●	○	●						○	●	○	CAS	13 days	deceased
●	○	●						○	●	○	none ^a	9 days	deceased
						●		●	●	●	VRC	18 days	deceased
						●		●	●	●	AMB	14 days	deceased
								●	●	○	none ^a	7 days	deceased
						●		●	●	○	VRC	30 days	deceased
			● ○	●	●			●	●	●	VRC	18 days	deceased
			●	● ○	● ○			○	●	● ○	VRC + AMB	61 days	deceased
			● ○	●	●			●	●	●	AMB	29 days	deceased
			●	●				●	○		VRC + AFG	17 days	deceased ^b
○	○					○	○	● ○	○		none	16 days	alive ^c

Legend: ● positive test outcome; ○ negative test outcome

^aantifungal treatment was not started as patient deceased prior to test outcome; ^bproven CAPA case diagnosed with positive *Aspergillus* culture performed on lung tissue obtained through biopsy; ^cpositive serum GM was deemed false positive by clinicians, as all consecutive *Aspergillus* tests performed, including serum GM, were negative

Abbreviations: AFG – anidulafungin; AMB – amphotericin B; CAS – caspofungin; ODI – optical density index; VRC – voriconazole