

Clinical parameter (n=data available)	All participants (SD, IQR or %)	Survivor day 40 (SD, IQR or %) n=34	Non-survivor day 40 (SD, IQR or %) n=28	Survival significance (univariate)	Odds ratio (95% CI) Cytokine data Model 2	Survival significance Cytokines Model 2
Female gender n=62	26 (42%)	17 (50%)	9 (32%)	0.20 #	1.08 (0.16 : 7.04)	0.93
Mean age n=62	30.8 (SD 9.2)	29 (SD 9.1)	32 (SD 9.3)	0.19 †	1.08 (0.98 : 1.19)	0.10
HIV antibody positive n=60	51 (85%)	27 (79%)	24 (86%)	0.42 #	0.41 (0.02 : 7.2)	0.54
Seizures n= 62	14 (23%)	8 (24%)	6 (21%)	0.54 #	0.18 (0.02 : 1.4)	0.10
Altered mental state GCS <15 n=62	53 (85%)	26 (76%)	27 (96%)	0.033 #	19.23 0.89 : 417)	0.06
Median Glasgow coma score (GCS)	10 (8-13)	11 (9-14)	9 (7-10)	0.004 ‡	0.73 (0.55 : 0.99)	0.005

n=62						
Dexamethasone	32 (52%)	17 (50%)	15 (54%)	0.80 #	0.49 (0.08 : 2.9)	0.43
Mean Haemoglobin (g/dL) n= 57	11.5 (SD 2.6)	11.1 (SD 2.4)	11.9 (SD 2.8)	0.52 †	1.09 (0.76 : 1.5)	0.61
Median CSF white cell count (mm ³ /ml) n=62	1142 (296 – 2880)	1360 (437 – 4280)	720 (198 – 2160)	0.13 ‡	1.0 (1.0 : 1.0)	0.19
Median CSF cytokine values in pg/ml with IQR n=67						
TNF alpha	1575 (576-4644)	973 (474-4499)	1966 (908-8636)	0.44 ‡	1.0 (1.0 : 1.0)	0.75
IL-1	2779 (0-5511)	2450 (0-4558)	3482 (0-6085)	0.31 ‡	1.0 (1.0 : 1.0)	0.80
IL-6	497974 (335090–764513)	492416 (271718-688485)	576186 (382122-842062)	0.62 ‡	1.0 (1.0 : 1.0)	0.28

IL-8	40334 (19961–115057)	35216 (11818-81961)	67513 (23386-143534)	0.20 ‡	1.000009 (1.000001 : 1.000017)	0.036
IL-10	1568 (909-4475)	1233 (832–2966)	2130 (959-5086)	0.44 ‡	1.00028 (1.000028 : 1.00054)	0.029
IL-12	560 (0-804)	547 (443-822)	528 (0-729)	0.98 ‡	0.99 (0.996 : 1.000018)	0.09

† = t-test, ‡ = Mann-whitney-U test, # = Fisher exact test/Chi squared test

Legend for supplementary Table 1: Baseline characteristics and CSF cytokine values for patients with culture-confirmed pneumococcal meningitis.