

SDC 2. Case details of patients with CNS infection (definite or suspected) and on-site multiplex assay performed (prospective cohort)

Case #	Age (days/weeks months/years)	CSF WCC/RCC	MP result	CSF sendaway result (reference laboratory)	Diagnosis	Time to diagnosis (days)	Antibiotic duration (days)	Length of Admission (days)
1	6 w	1/1485	EV	EV	EV	2	2	3
2	13 d	<10/11	HPeV	HPeV	HPeV	2	2	3
3	27 d	250/1777	EV	EV	EV	3	3	4
4	7 w	90/20	EV	EV	EV	4	4	5
5	16 d	4/79	EV	Negative	EV	4	3	5
6	34 d	300/12000	Negative	Negative	suspected bacterial meningitis	n/a	7	8
7	12 d	110/910	Negative	Negative	suspected viral meningitis	n/a	3	5
8	13 d	350/17820	EV	EV	EV	1	1	2
9	3 y	25/18	EV	EV	EV	1	1	1
10	8 d	1840/30	EV	EV	EV	2	2	3
11 [#]	8 y	54/210	CN/CG	CN/CG	CG meningoencephalitis	4	14	79
12	4 mo	17550/4950	Negative	Not sent	<i>S.pyogenes</i> meningitis (culture)	14	15	16
13	5 w	1/1	HHV-6	HHV-6	HHV-6	2	2	2
14	5 d	16020/720	Negative	Negative	<i>Enterobacteriaceae</i> meningitis (16s RNA PCR)	25	17	22
15	5 w	1280/46800	EV	EV	EV	3	3	3
16	3 mo	2/0	HPeV	HPeV	HPeV	1	1	4
17	8 w	117/32	EV	EV	EV	1	1	2
18	3 mo	Clotted	HPeV	Insufficient	HPeV	1	0	3
19	5 w	3/8	EV	EV	EV	1	0	1
20	23 d	2280/3	EV	EV	EV	1	1	2
21	10 w	18/370	HPeV	HPeV	HPeV	1	1	2
22	7 d	<10/17	EV	EV	EV	2	2	3
23	10 d	46/97	Negative	Negative	suspected viral meningitis	n/a	4	4
24	10 w	7/19	Negative	HPeV	HPeV	6	2	3
25	7 w	1860/630	EV	EV	EV	1	1	3
26	10 d	925/8	EV	EV	EV	1	0	4

Patient 11 was treated with antibiotics for 14 days for a co-existing *K.pneumoniae* ESBL in addition to CG meningoencephalitis. He then received prolonged antifungal therapy and has been excluded from analysis of antibiotic treatment duration and hospital length of stay (see Table 5)