

Table SI. CT/CK levels in the gram-negative and -positive cerebrospinal fluid samples of patients with bacterial meningitis.

CT/CK	Concentration, median (IQR), pg/ml		P-value
	Gram-negative	Gram-positive	
MCP-1	2,232 (300-6,714)	1,814 (256-4,022)	0.48
IL-8	4,693 (2,061-7,328)	1,852 (508-3,911)	0.033
IL-1 β	145 (43-683)	235 (16-1,430)	0.94
IL-6	13,759 (7,331-19,235)	13,335 (1,409-20,000)	0.5
MIP-1 α	904 (227-2,408)	801 (132-3,876)	0.81
ENA-78	216 (88-592)	107 (37-191)	0.08
IFN- γ	2 (2-14)	58 (2-166)	0.01
IL-10	965 (96-2,627)	202 (18-514)	0.014
TNF- α	85 (23-1,120)	61 (9-394)	0.31

CT, cytokine; CK, chemokine; IQR, interquartile range; MCP-1, monocyte chemoattractant protein-1; IL, interleukin; MIP-1 α , macrophage inflammatory protein-1 α ; ENA-78, epithelial-neutrophil activating peptide-78; IFN- γ , interferon- γ ; IL, interleukin; TNF- α , tumour necrosis factor- α .

Table SII. Correlations among the CT/CK concentrations in the cerebrospinal fluid of patients with BM and VM.

A, BM samples								
CT/CK	IL-6	TNF- α	IL-1 β	MIP-1 α	MCP-1	IL-8	ENA-78	IL-10
IFN- γ	0.43	0.36	0.48	x	0.35	x	x	x
IL-6	-	0.75	0.52	0.52	0.53	0.24	0.41	0.41
TNF- α	-	-	0.64	0.69	0.57	0.4	0.33	0.48
IL-1 β	-	-	-	0.64	0.47	0.52	x	x
MIP-1 α	-	-	-	-	0.49	0.46	0.4	x
MCP-1	-	-	-	-	-	0.55	0.42	0.38
IL-8	-	-	-	-	-	-	0.35	x
ENA-78	-	-	-	-	-	-	-	0.43
B, VM samples								
CT/CK	ENA-78	IFN- γ	MIP-1 α	MCP-1	IL-8	TNF- α	IL-1 β	IL-6
IL-10	0.35	0.53	x	x	x	x	x	x
ENA-78	-	0.58	x	x	0.42	0.44	x	x
IFN- γ	-	-	-	x	x	x	x	x
MIP-1 α	-	-	-	-	x	x	x	x
MCP-1	-	-	-	-	0.78	0.36	x	0.61
IL-8	-	-	-	-	-	0.51	0.47	0.77
TNF- α	-	-	-	-	-	-	0.48	0.44
IL-1 β	-	-	-	-	-	-	-	0.72

Spearman's correlation coefficient (r) values are presented, which were used to evaluate the correlations between specific variables. The correlations with $P > 0.01$ are marked with an 'x'. CT, cytokine; CK, chemokine; IL, interleukin; TNF- α , tumour necrosis factor- α ; MIP-1 α , macrophage inflammatory protein-1 α ; MCP-1, monocyte chemoattractant protein-1; ENA-78, epithelial-neutrophil activating peptide-78; IFN- γ , interferon- γ .

Table SIII. Variable importance scores of each CT/CK for discriminating the BM, VM and C groups as determined by the Random Forest algorithm.

A, BM vs. VM	
CT/CK	Importance (%)
IL-1 β	100.00
IL-6	92.83
ENA-78	31.62
MCP-1	10.20
TNF- α	9.83
MIP-1a	9.78
IL-10	3.45
IL-8	0.00
B, BM vs. C	
CT/CK	Importance (%)
IL-1 β	100.00
IL-6	95.67
TNF- α	54.63
ENA-78	45.76
IL-8	33.27
MCP-1	10.43
MIP-1 α	8.32
IL-10	0
C, VM vs. C	
CT/CK	Importance (%)
IL-8	100.00
IL-6	80.38
ENA-78	56.82
IL-1 β	23.86
MIP-1 α	20.31
TNF- α	3.88
MCP-1	2.49
IL-10	0

CT, cytokine; CK, chemokine; BM, bacterial meningitis; VM, viral meningitis; C, control; IL, interleukin; ENA-78, epithelial-neutrophil activating peptide-78; MCP-1, monocyte chemoattractant protein-1; TNF- α , tumour necrosis factor- α ; MIP-1 α , macrophage inflammatory protein-1 α .