

Table S1. : Associations between *TLR4* polymorphism (rs4986790) and laboratory values and severity factors of Gram-positive bacterial meningitis.

Clinical features	<i>TLR 4</i>		OR (95% CI)	p-Value
	AA	AG and GG		
Poor general condition ¹	75 (66.4)	16 (76.2)	1.62 (0.55–4.76)	0.453
Convulsions during admission ¹	61 (54.5)	13 (61.9)	1.36 (0.52–2.14)	0.635
Level of consciousness ¹				
Normal	24 (21.1)	5 (23.8)	-	0.555
Altered	77 (67.5)	12 (57.1)	-	
Coma	13 (11.4)	4 (19.0)	-	
Glasgow coma score (<12) ¹	50 (51.5)	11 (57.9)	1.29 (0.48–3.49)	0.401
Other focus of infection during hospital stay	62 (55.4)	11 (52.4)	0.89 (0.35–2.26)	0.816
Pneumonia during hospital stay	27 (23.5)	6 (28.6)	1.30 (0.4–3.69)	0.590
Outcome				
Fatal	33 (28.7)	9 (42.9)	1.86 (0.72–4.84)	0.208
Severe neurological sequelae ²	15 (18.3)	2 (16.7)	0.89 (0.18–4.51)	0.999
Deafness ²	11 (16.9)	0 (0.0)	0.83 (0.74–0.93)	0.341
Blindness ²	11 (13.4)	0 (0.0)	0.87 (0.80–0.94)	0.350
Any neurological Sequelae (no ataxia) ²	22 (28.2)	3 (25.0)	0.85 (0.21–3.43)	0.999
Ataxia ²	28 (35.9)	3 (27.3)	0.67 (1.16– 2.73)	0.741
Laboratory variables, median (IQR)				
	161.00	161.00		
CRP (mg/L)	(125.25; 161.00) (n=102)	(123.00; 161.00) (n=15)	-	0.980
	10.00	7.5		
CSF-glucose ¹ (mg/dL)	(6.30; 19.53) (n=114)	(3.4; 12.03) (n=20)	-	0.038
	225.70	202.30		
CSF-protein ¹ (mg/dL)	(149.28; 280.00) (n=56)	(174.40; 245.60) (n=10)	-	0.761
	1600.00	565.00		
CSF-leukocytes ¹ (/mm ³)	(280.00; 3346.00) (n=115)	(221.00; 4250.00) (n=21)	-	0.306
	15.40	9.5		
Blood leukocytes (/μL)	(10.23; 21.52) (n=84)	(5.06; 17.30) (n=13)	-	0.024
	715.71	574.28		
CSF-MMP-8 ¹ (ng/mL)	(183.71; 922.00) (n=45)	(85.76; 1173.91) (n=10)	-	0.760

¹ Determined / measured at admission. ² Determined at the time of discharge. OR, odds ratio; CI, confidence interval. IQR, interquartile range (lower, upper); CRP, C-reactive protein; CSF, cerebrospinal fluid; MMP-8, matrix metalloproteinase-8.

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Table S2. : Associations between *TLR9* polymorphism (rs187084) and laboratory values and severity

Clinical features	<i>TLR9</i>		OR (95% CI)	<i>p</i> -Value
	TT	CT and CC		
Poor general condition ¹	47 (68.1)	43 (67.2)	0.96 (0.4–1.98)	0.999
Convulsions during admission ¹	40 (57.1)	33 (53.2)	0.85 (0.43–1.70)	0.727
Level of consciousness ¹				
Normal	17 (24.6)	12 (18.5)	-	0.269
Altered	41 (59.4)	47 (72.3)	-	
Coma	11 (15.9)	6 (9.2)	-	
Glasgow coma score (<12) ¹	35 (59.3)	25 (44.6)	0.55 (0.26–1.16)	0.137
Other focus of infection during hospital stay	37 (53.6)	35 (55.6)	1.08 (0.54–2.15)	0.862
Pneumonia during hospital stay	37 (12.5)	23 (9.0)	0.74 (0.33–1.63)	0.549
Outcome				
Fatal	27 (38.6)	15 (23.1)	0.48 (0.23–1.01)	0.064
Severe neurological sequelae ²	8 (18.6)	8 (16.0)	0.83 (0.28–2.45)	0.788
Deafness ²	7 (20.0)	4 (10.3)	0.46 (0.12–1.72)	0.330
Blindness ²	5 (11.6)	5 (10.2)	0.86 (0.23–3.21)	0.999
Any neurological Sequelae (no ataxia) ²	12 (28.6)	12 (25.5)	0.86 (0.34–2.19)	0.813
Ataxia ²	12 (28.6)	18 (39.1)	1.61 (0.66–3.93)	0.370
Laboratory variables, median (IQR)				
	161.00	161.00		
CRP (mg/L)	(117.5 ₋ 161.00) (<i>n</i> =61)	(134.0 ₋ 161.0) (<i>n</i> =55)	-	0.630
	9.90	10.20		
CSF-glucose ¹ (mg/dL)	(5.83 ₋ 19.90) (<i>n</i> =68)	(6.10 ₋ 15.90) (<i>n</i> =65)	-	0.403
	196.50	225.95		
CSF-protein ¹ (mg/dL)	(141.33 ₋ 266.50) (<i>n</i> =32)	(160.03 ₋ 287.66) (<i>n</i> =34)	-	0.514
	1675.00	1200.00		
CSF-leukocytes ¹ (/mm ³)	(298.75 ₋ 3785.00) (<i>n</i> =70)	(262.00 ₋ 2800.00) (<i>n</i> =65)	-	0.770
	14.90	15.62		
Blood leukocytes (/μL)	(9.88 ₋ 19.52) (<i>n</i> =45)	(10.52 ₋ 21.90) (<i>n</i> =51)	-	0.997
	721.17	384.79		
CSF-MMP-8 (ng/mL)	(517.42 ₋ 1220.40) (<i>n</i> =28)	(42.85 ₋ 895.62) (<i>n</i> =26)	-	0.597

factors of Gram-positive bacterial meningitis.

¹ Determined / measured at admission. ² Determined at the time of discharge. OR, odds ratio; CI, confidence interval. IQR, interquartile range (lower, upper); CRP, C-reactive protein; CSF, cerebrospinal fluid; MMP-8, matrix metalloproteinase-8.