

Supplementary Table 1 Parameters at initial presentation

Parameters	All patients (n = 198)	DISH = ALF (n = 174)	DISH without ALF (n = 174)	DISH with ALF (n = 24)	P value
Laboratory profiles					
Hematocrit (%)	40.84 ± 7.70		34.62 ± 47.76	33.33 ± 48.31	0.909
WBC (10 ³ /μL)	5.52 ± 3.85		5.24 ± 3.63	7.48 ± 4.78	0.007
Neu (10 ³ /μL)	3.20 ± 2.78		2.99 ± 2.73	4.53 ± 2.86	0.021
Lym (10 ³ /μL)	1.58 ± 1.30		1.56 ± 1.08	1.71 ± 2.31	0.633
AL (10 ³ /μL)	0.39 ± 0.74		0.42 ± 0.78	0.20 ± 0.26	0.267
Platelet(10 ¹² /μL)	58.74 ± 73.11		58.80 ± 72.05	58.34 ± 81.94	0.977
INR	1.38 ± 0.64		1.16 ± 0.25	2.42 ± 0.85	< 0.001
Creatinine (mg/dL)	1.04 ± 1.01		0.91 ± 0.89	1.93 ± 1.30	< 0.001
Albumin (g/dL)	3.60 ± 0.54		3.69 ± 0.49	3.09 ± 0.55	< 0.001
TB (mg/dL)	1.95 ± 4.34		1.28 ± 1.54	6.34 ± 10.44	< 0.001
SGOT (U/L)	1515.86 ± 2258.05	± 1031.51	± 1195.21	± 5007.25	± < 0.001
SGPT (U/L)	683.64 ± 749.00		550.41 ± 458.53	1649.54 ± 1454.57	± < 0.001
ALP (U/L)	109.89 ± 98.65		108.18 ± 100.60	122.29 ± 83.90	0.256
Liver prognostic scores					
MELD score	12.20 ± 8.01		9.52 ± 4.46	24.71 ± 9.05	< 0.001
EZ-ALBI score	-30.27 ± 7.48		-31.81 ± 4.99	-20.95 ± 12.17	< 0.001
ALBI score	-2.17 ± 0.68		-2.29 ± 0.62	-1.48 ± 0.62	< 0.001
PALBI score	-1.06 ± 0.53		-1.15 ± 0.49	-0.61 ± 0.47	< 0.001

DISH: Dengue-induced severe hepatitis; ALF: Acute liver failure; WBC: White blood cell; Neu: Neutrophil; INR: International normalized ratio; Cr: Creatinine; TB: Total bilirubin; SGOT: Serum glutamate-oxaloacetate transaminase; SGPT: Serum glutamate-pyruvate transaminase; MELD: Model for end-stage liver disease; ALBI: Albumin-bilirubin; EZ-ALBI: Easy albumin-bilirubin; PALBI: Platelet-albumin-bilirubin.

Supplementary Table 2 Univariate regression analysis of the factors associated with severe adverse outcomes from dengue-induced severe hepatitis

Parameters	Acute liver failure			In-hospital mortality		
	OR	95%CI	<i>P</i> value	OR	95%CI	<i>P</i> value
Clinical parameters						
Age	0.97	0.94-1.01	0.094	1.00	0.96-1.03	0.860
Male gender	0.98	0.42-2.30	0.958	1.39	0.47-4.17	0.554
Presence of liver co-morbidity	1.72	0.51-5.76	0.379	0.63	0.07-5.22	0.670
Presence of DSS	34.62	11.71-102.33	< 0.001	28.05	7.21-109.18	< 0.001
Laboratory parameters						
Platelet	1.00	1.00-1.00	0.977	1.00	1.00-1.00	0.898
INR	72.27	10.98-475.89	< 0.001	5.83	2.59-13.12	< 0.001
Total bilirubin	1.45	1.16-1.81	0.001	1.04	0.95-1.13	0.395
SGOT	1.00	1.00-1.00	< 0.001	1.00	1.00-1.00	< 0.001
SGPT	1.00	1.00-1.00	< 0.001	1.00	1.00-1.00	0.002
Albumin	0.11	0.04-0.31	< 0.001	0.15	0.05-0.44	< 0.001
Creatinine	2.08	1.31-3.31	0.002	1.52	1.00-2.31	0.051

Liver prognostic scores

MELD score	1.34	1.21-1.48	< 0.001	1.15	1.07-1.22	< 0.001
ALBI score	5.01	2.65-11.43	< 0.001	3.22	1.52-6.80	0.002
PALBI score	7.67	2.90-20.26	< 0.001	3.51	1.26-9.82	0.017
EZ-ALBI score	1.28	1.15-1.41	< 0.001	1.07	1.00-1.14	0.038

OR: Odds ratio; DSS: Dengue shock syndrome; INR: International normalized ratio; SGOT: Serum glutamate-oxaloacetate transaminase; SGPT: Serum glutamate-pyruvate transaminase; MELD: Model for end-stage liver disease; ALBI: Albumin-bilirubin; EZ-ALBI: Easy albumin-bilirubin; PALBI: Platelet-albumin-bilirubin.