

1 **Supplementary material:** Clinical and analytical characteristics of HLH patients
 2 according to the putative presence of a *Leishmania* trigger or its absence. We report the
 3 test statistic employed (Chi-square for nominal data, t-test for continuous homoscedastic
 4 data and Mann-Whitney U for the non-parametric analysis of continuous data).
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Variables	Leishmanial HLH	Non-Leishmanial HLH	Statistical significance
Male sex	66.6%	41.6%	$X_1^2= 1.2$; $p= 0.27$
Age (years)	50	40	$t_1= -1.27$; $p= 0.21$
Known immunosuppression	16.6%	54.2%	$X_1^2= 2.7$; $p= 0.1$
Fever (°C)	39.3	39.2	$U= 62$; $p= 0.73$
Hepatomegaly	83.3%	69.6%	$X_1^2= 0.45$; $p= 0.50$
Splenomegaly	100%	91.3%	$X_1^2= 0.56$; $p= 0.76$
Haemoglobin (g/dL)	8.1	7.7	$t_1= 0.58$; $p= 0.56$
Leucocytes (cells/mm ³)	1,743	4,335	$U= 62$; $p= 0.73$
Neutrophils (cells/mm ³)	1,097	2,709	$U= 58.5$; $p= 0.58$
Lymphocytes (cells/mm ³)	470	774	$U= 60$; $p= 0.65$
Monocytes (cells/mm ³)	65	727	$U= 44.5$; $p= 0.19$
Platelet count (cells/mm ³)	50,333	38,696	$U= 89.5$; $p= 0.28$
Triglyceride (mg/dL)	284	407	$U= 53$; $p= 0.41$
Ferritin (ng/mL)	6,638	15,531	$U= 52$; $p= 0.38$
Alanine aminotransferase (IU/L)	122	115	$U= 66.5$; $p= 0.9$
Aspartate aminotransferase (IU/L)	114	198	$U= 45.5$; $p= 0.32$
Total bilirubin (mg/dL)	6.77	4.61	$U= 70.5$; $p= 0.94$
LDH (IU/L)	1,022	1,170	$U= 61$; $p= 0.69$
Creatinine (mg/dL)	1.66	1.76	$U= 71$; $p= 0.94$
CRP (mg/L)	182	145	$U= 89$; $p= 0.3$
Fibrinogen (mg/dL)	178	205	$U= 26$; $p= 0.64$

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