

Supplementary Table S1 – Severe malaria profile of patients (regarding severe malaria manifestations) admitted to HCL during 2021 and 2022. The first row enumerates the patient counts per department and year. Where data were missing, percentages representing the proportion of patients exhibiting specific severe malaria manifestations were calculated based on the patient count available in the corresponding table cell. Impaired Consciousness: Glasgow Coma Score (GCS) < 11; Multiple Convulsions: More than two episodes within 24 hours; Metabolic Acidosis: Base deficit > 8 mEq/L, or if unavailable, plasma bicarbonate < 15 mmol/L or venous plasma lactate ≥ 5 mmol/L; Hypoglycemia: Blood glucose < 40 mg/dL; Anemia: Hemoglobin < 7 g/dL and/or Hematocrit < 20%, with a parasite count > 10,000/μL; Renal Impairment: Plasma or serum creatinine > 3 mg/dL and/or blood urea > 20 mmol/L; Jaundice: Bilirubin > 3 mg/dL; Hyperparasitemia: Parasite density > 500,000 parasites/μL; Shock: Systolic blood pressure < 80 mmHg; Bleeding: Recurrent or prolonged bleeding from the nose, gums, or venipuncture sites; hematemesis or melaena; The total number of patients (n) in the denominator varies across different criteria, as some patients did not have records for certain criteria. As a result, they were excluded from the total count and percentage calculation for that specific criterion.

		2021			2022			
Severe malaria criteria		ICU	MED	INF	ICU	MED	INF	Total (n=640)
Impaired Consciousness		16/26	8/124	0/17	30/55	10/334	4/84	68/640
		61.5%	6.5%	0.0%	54.5%	3.0%	4.8%	10.6%
Multiple Convulsions		6/26	5/124	0/17	6/55	13/334	2/84	32/640
		23.1%	4.0%	0.0%	10.9%	3.9%	2.4%	5.0%
Metabolic Acidosis		9/26	2/124	0/17	27/55	0/334	0/84	38/640
		34.6%	1.6%	0.0%	49.1%	0.0%	0.0%	5.9%
Hypoglycemia		2/22	1/79	0/9	3/50	5/262	0/49	11/471
		9.1%	1.3%	0.0%	6.0%	1.9%	0.0%	2.3%
Anemia	Hemoglobin	4/26	13/124	1/17	9/55	34/334	13/83	74/639
		15.4%	10.5%	5.9%	16.4%	10.2%	15.7%	11.6%
	Hematocrit	5/26	15/123	1/17	9/55	35/334	13/83	78/638
		19.2%	12.2%	5.9%	16.4%	10.5%	15.7%	12.2%
	Overall	5/26	15/124	1/17	11/55	38/334	14/84	84/640
		19.2%	12.1%	5.9%	20.0%	11.4%	16.7%	13.1%
Renal Impairment	Creatinine	8/24	4/98	0/11	18/49	43/292	11/73	84/547
		33.3%	4.1%	0.0%	36.7%	14.7%	15.1%	15.4%
	Blood Urea	14/25	19/98	4/11	43/55	99/295	26/75	205/559
		56.0%	19.4%	36.4%	78.2%	33.6%	34.7%	36.7%
	Overall	14/25	20/98	4/11	43/55	101/295	27/75	209/559
		56.0%	20.4%	36.4%	78.2%	34.2%	36.0%	37.4%
Jaundice		11/23	20/95	3/10	28/51	74/293	21/72	157/544
		47.8%	21.1%	30.0%	54.9%	25.3%	29.2%	28.9%
Hyperparasitemia		2/24	7/104	3/16	3/51	23/303	2/73	40/571
		8.3%	6.7%	18.8%	5.9%	7.6%	2.7%	7.0%
Shock		3/26	6/123	0/16	3/55	38/333	12/84	62/637
		11.5%	4.9%	0.0%	5.5%	11.4%	14.3%	9.7%
Bleeding		2/26	5/124	0/17	5/55	8/334	2/84	22/640

	7.7%	4.0%	0.0%	9.1%	2.4%	2.4%	3.4%
--	------	------	------	------	------	------	------