

Of the 88 eligible study participants enrolled, most were from the male and adult age groups, with a proportion of 61.4% and 63.6%, respectively. The study participants' mean age was 19.8 years. Seventy-four (84.1%) of those enrolled in the study had an axillary temperature of $\geq 37.5^{\circ}\text{C}$, with a mean of 38.34°C . The rest, 14 (15.9%), had a history of fever within the previous 24 hours. The geometric mean of asexual parasitaemia was 7,402/ μl , and the number of study participants with gametocytes was 6 (6.8%). The level of mean Hgb was 13.86 mg/dl.

The most common symptom manifested in all the study participants was chills. Other common signs and symptoms were headache, fatigue, nausea and anorexia, which manifested in 78 (88.6%), 77 (87.5%), 71 (80.7%) and 62 (70.5%) of the enrolled patients, respectively. The other signs and symptoms were sweating, joint pain and vomiting, which manifested in 48 (54.5%), 47 (53.4%) and 35 (39.8%) of the enrolled patients, respectively.

Table Baseline characteristics of the study participants at Teda, Gondar Northwest Ethiopia 2022/23

| Characteristics | Age group | | | Total |
|--|-----------------------|----------------------|----------------------|----------------------|
| | (0-5) | [5 to 15) | ≥ 15 | |
| Mean age (SD) | 3 (0.8) | 10.8 (2.8) | 25.5 (11.5) | 19.8 (12.1) |
| Sex | | | | |
| Male n (%) | 1 (25) | 20 (71.4) | 33 (58.9) | 54 (61.4) |
| Female n (%) | 3 (75) | 8 (28.6) | 23 (41.1) | 34 (38.6) |
| Weight (kg) mean (SD) | 13 (0.8) | 31.2 (9.0) | 59.1 (12.2) | 48.1 (18.5) |
| Height (cm) mean (SD) | 92.3 (7.8) | 132.9 (17.4) | 164.5 (8.9) | 152 (22.9) |
| Mean T $^{\circ}\text{C}$ (SD) | 37.8 (0.8) | 38.3 (0.9) | 38.1 (0.7) | 38.1 (0.8) |
| Geometric mean parasitaemia/ μl (range) | 14,904 (4,505-42,275) | 6,685 (2,352-39,480) | 7,409 (1,213-96,661) | 7,402 (1,213-96,661) |
| Gametocyte n (%) | 0 | 4 (4.5%) | 2 (2.3%) | 6 (6.8%) |
| Hgb (g/dl) mean (SD) | 12.8 (1.6) | 12.9 (1.0) | 13.2 (1.3) | 13.1 (1.25) |

Where: SD= standard deviation, T= temperature