Conclusion
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- Majority of the patients (34.28%) were in the age group of 3 – 6 years, and least affected age was below 1 year.
- There was male preponderance, ratio being 3:2.
- The incidence of *plasmodium falciparum* was more common than incidence of *plasmodium vivax*, *plasmodium falciparum* : *plasmodium vivax* ratio was 6 : 5.
- About 96% cases were in the second half of the year and about half (45.71%) cases were in the months of September and October, but none of the case was positive in months of May and June.
- Fever was the most common symptom, found in 84 – 93% of cases.
- Splenomegaly was the most common sign present in 84 – 93% of the cases, it was more common in *plasmodium vivax* infection.
- Convulsion and headache were second most common symptom in *plasmodium falciparum* and *plasmodium vivax* malaria respectively.
- Bleeding manifestations and renal symptoms were present only in the cases of *plasmodium falciparum* malaria.
- *Plasmodium vivax* was also the cause of cerebral malaria (around 2%).
- Sensitivity of ICT malaria pf / pv for *plasmodium vivax* was 93.75%.
Specificity of ICT malaria pf / pv for plasmodium vivax was 90.90%.

Sensitivity of ICT malaria pf / pv for plasmodium falciparum was 97.36%.

Specificity of ICT malaria pf / pv for plasmodium falciparum was 86.66%.

Post treatment sensitivity of ICT malaria pf / pv for plasmodium vivax on day 4 and day 10 were 77.77% and 28.57% respectively.

Post treatment sensitivity of ICT malaria pf / pv for plasmodium falciparum on day 4 and day 10 were 80.95% and 29.41% respectively.

Test may be positive in partially treated cases.

IT CAN BE CONCLUDED FROM THE PRESENT STUDY THAT ICT MALARIA pf / pv IS EASY AND RAPID TEST, WHICH CAN BE PERFORMED IN OPD, CLINICS AND EVEN AT THE PHC LEVEL WITHIN 10 MINUTES. IT HAS A HIGH SENSITIVITY AND SPECIFICITY FOR PLASMODIUM VIVAX AND PLASMODIUM FALCIPARUM.

BECAUSE OF RAPID DIAGNOSIS, TREATMENT CAN BE STARTED IMMEDIATELY, WHICH WILL PREVENT THE COMPLICATIONS AND IF PRESENT CAN BE TAKEN CARE OF EARLY. FURTHER, PATIENT IS NOT SUBJECTED TO UNNECESSARY INVESTIGATIONS.