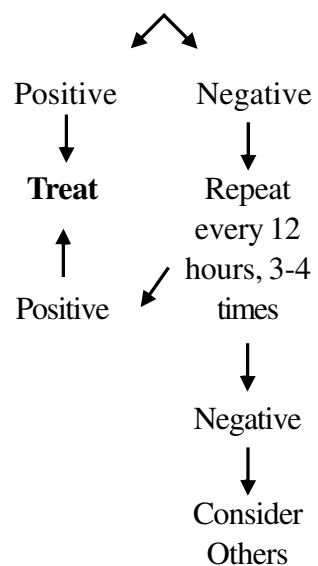


Diagnosis and Treatment of Malaria in India (NVBDCP Drug Policy, 2010)

Diagnosis of Malaria

All cases of fever, head ache, vomiting, icterus etc., should be tested for malaria.

Peripheral blood smear examination is the gold standard test



Treatment of Malaria

Only POSITIVE cases should be treated with recommended regimen; presumptive treatment should be avoided.

| Treatment of <i>P. vivax</i> infections | | | | | |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|---------------------------------------------|
| Age in years | Dose of Chloroquine (as base) (Each 250 mg tablet contains 150 mg base and each 5 ml of suspension contains 50 mg base) | | | | Dose of Primaquine OD For 14 days |
| | 1st dose (Tab) | 2nd dose (Tab) | 3rd dose (Tab) | 4th dose (Tab) | |
| 0-1 | 75 mg (½) | 37.5 mg (¼) | 37.5 mg (¼) | 37.5 mg (¼) | Nil |
| 1-4 | 150 mg (1) | 75 mg (½) | 75 mg (½) | 75 mg (½) | 2.5 mg |
| 5-8 | 300 mg (2) | 150 mg (1) | 150 mg (1) | 150 mg (1) | 5 mg |
| 9-14 | 450 mg (3) | 225 mg (1½) | 225 mg (1½) | 225 mg (1½) | 10 mg |
| ≥15 | 600 mg (4) | 300 mg (2) | 300 mg (2) | 300 mg (2) | 15 mg |

| Treatment of uncomplicated <i>P. falciparum</i> infections | | | |
|-------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------|
| Age | Dose of Artesunate (mg) once a day for 3 days (No of 50mg Tab.) | Dose of SP (mg) as single dose on Day 1 (No of 500/25 tab.) | Dose of Primaquine as single dose on Day 2 |
| <1 | 25 (½) | 125/6.25 (¼) | 0 |
| 1-4 | 50 (1) | 500/25 (1) | 7.5mg |
| 5-8 | 100 (2) | 750/37.5 (1½) | 15mg |
| 9-14 | 150 (3) | 1000/50 (2) | 22.5mg |
| ≥15 | 200 (4) | 1500/75 (3) | 30mg |

Mixed infections of *P. falciparum* and *P. vivax* should be treated with ASP as above plus Primaquine for 14 days as for *P. vivax*

| Treatment of Severe <i>P. falciparum</i> infections (ANY ONE) | | |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Artesunate | 2.4mg/kg IV stat, after 12hrs, 24hrs and then once daily | Full course of Artesunate+SP |
| Artemether | 3.2 mg/kg IM stat, then 1.6 mg/kg per day | Full course of Artemether+Lumefantrine |
| Quinine | 20mg/kg IV infusion stat, then 10mg/kg 8 hourly iv/im, then orally for total 7 days | Doxycycline 100mg BD or Clindamycin 10mg/kg BD for seven days |