

Malaria Treatment Protocol (ver 1.4) Produced OCT 2012, updated OCT 2013

Patient has clinical signs of **Complicated Malaria** *

- Begin Treatment
- Call Higher Level for Consultation
- Prep for Evacuation
- Administer Rapid Diagnostic Test – Binax
- And if trained:
- Take Thick and Thin Blood Smears

- Treat for **Complicated Malaria***
- Call for Higher Consultation
- Consider treating other causes of Encephalitis/Meningitis

Evacuate to Higher Medical Care

Note: Always treat all fevers in Malarial areas as malaria until proven otherwise. Always treat dehydration and nausea if present.

Patient has clinical signs of **Uncomplicated Malaria***

- Treat For Uncomplicated Malaria***
- Administer Rapid Diagnostic Test – Binax
- And if trained:
- Take Thick and Thin Blood Smears

Positive?

Yes

- Continue Treatment (Coartem or Malarone)
- Capture blood drop on filter paper and send to NAMRU in Egypt
- Continue Blood Smears to check for improvement

PT Condition?

Worsening or no change

Switch to Alternate drug regimen: If using Coartem switch to Malarone

Improving

Consider other Diagnoses and Treatments/Call Higher Level Consultation

- Continue Tx
- Repeat Binax and Blood Smears 8-12 hours later

Positive?

Yes

- *Complicated Malaria SSX:**
- Unarousable Coma*
- Seizures*
- Severe Anemia*
- Severe Bleeding*
- Abnormalities*
- Pulmonary Edema/ARDS*
- Renal Failure*
- Hemoglobinuria*
- Hypoglycemia*
- Hypotension/shock*
- Acid Base Disturbances*

- *Uncomplicated Malaria SSX:**
- Fever of 101 degrees*
- Shaking Chills*
- Sweats*
- Headache*
- Muscle Aches*
- Exhaustion*
- Nausea/Vomiting*
- Diarrhea*
- Anemia*
- Jaundice*

- Continue Tx
- Repeat Binax and Blood Smears 8-12 hours later

Positive?

Yes

Consider other Diagnoses and Treatments/Call Higher Level Consultation

No

- *Treat for Uncomplicated Malaria:**
- 1st Line: **COARTEM**
- 4 tablets initial dose. Then 4 more tabs after 8 hours and then 4 tablets twice daily for 2 days (total 24 tabs)
- 2nd Line: **MALARONE:** 4 Tabs orally per day x 3 days
- Use Anti-emetics liberally to ensure tolerance of PO meds

- *Treat for Complicated Malaria:**
- 1st Line : **IV ARTESUNATE:** 2.4 mg/kg initial dose, then 2.4 mg/kg dose 12 hours later, then 2.4 mg/kg dose Q 24 hrs once daily for a total of 4 doses or until pt can tolerate oral artemesin-based combination therapy (ie, Coartem)
- 2nd Line : **IV QUININE:** 20 mg/kg loading dose over 4 hours, followed by 10 mg/kg every 8 hours given over 2 to 4 hours. Once parasite density <1%, patient can take oral medication. CAUTION: Do not give loading dose if pt has received quinidine or mefloquine within last 24 hrs