

## The national policy of malaria case management in The Kingdom of Saudi Arabia

### 1. Treatment of simple uncomplicated falciparum malaria:

#### 1.1 First-line Treatment: Artesunate (AS) + Sulfadoxine – Pyrimethamine (SP)

Age in years	Weigh in Kgs	Day 1		Day 2	Day 3
		SP (500 S+25 P mg tab)	AS (50mg tab)	AS (50mg tab)	AS (50mg tab)
5 - 11 Months	5 - 10 Kgs	½	½	½	½
1 - 6 years	11 - 24 Kgs	1	1	1	1
7 - 13 years	25 - 50 Kgs	2	2	2	2
> 13 years	> 50 Kgs	3	4	4	4

❖ A single dose of primaquine (0.25 mg base/kg bw, maximum dose 15 mg) should be added on the first day of treatment to ACT for uncomplicated falciparum malaria as a gametocytocidal medicine.

#### 1.2 Second-line Treatment: Artemether 20mg + Lumefantrine 120mg

Age in years	Weigh in Kgs	Day1		Day2		Day3	
		AM	PM	AM	PM	AM	PM
< 5		Not recommended					
<3 years	5 - 14	1	1	1	1	1	1
3 - 8 years	15 - 24	2	2	2	2	2	2
9 - 14 years	25 - 34	3	3	3	3	3	3
>14 years	> 34	4	4	4	4	4	4

❖ A single dose of primaquine (0.25 mg base/kg bw, maximum dose 15 mg) should be added on the first day of treatment to ACT for uncomplicated falciparum malaria as a gametocytocidal medicine.

### 2. Treatment of malaria caused by P. vivax, or P. ovale and malariae:

*Chloroquine* 25mg base / kg divided over three (3) days, (*Chloroquine* 4 tablets day 1, 4 tablets day 2, 2 tablets day 3) combined with *Primaquine* 0.25 mg / kg bw taken daily with food for 14 days for *vivax* and *ovale*, (*Primaquine* 15 mg tabs daily for 14 days for adult)

### 3. Treatment of severe malaria:

Treatment		Day 1		Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
		Time 0	12 hrs						
First option	<i>Artesunate</i> I.V / I.M	2.4mg/kg	2.4mg/kg	2.4mg/kg	2.4mg/kg	2.4mg/kg	2.4mg/kg	2.4mg/kg	2.4mg/kg
Second option	<i>Artemether</i> I.M	1.6mg/kg	1.6mg/kg	1.6mg/kg	1.6mg/kg	1.6mg/kg	1.6mg/kg	1.6mg/kg	1.6mg/kg
Third option	<i>Quinine</i> I.V	20mg/kg in 5% Glucose (loading dose)		After 8hrs of loading dose start the maintenance dose as, 10mg/kg /8 hourly till the patient can take by mouth then shift to the oral.					

### 4. Treatment of malaria in pregnancy: N.B. Malaria in pregnancy should be considered severe and treated in hospital

Pregnancy in weeks	Uncomplicated malaria	Severe malaria
0-12 (1st trimester)	<i>Quinine + Clindamycine</i>	<i>Artesunate IV + Clindamycine</i>
13- delivery (2nd & 3rd trimester)	* First option: (AS + SP) * Second option: <i>Quinine + Clindamycine</i>	<i>Artesunate IV Or Quinine + Clindamycine</i>
<i>Puerperium</i>	AS + SP	<i>Artesunate IV Or Quinine + Clindamycine</i>

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