

## ➤ Give intramuscular Quinine\* for Severe Malaria

### FOR CHILDREN BEING REFERRED WITH VERY SEVERE FEBRILE DISEASE :

- Check which quinine formulation is available in your clinic. Quinine should be diluted in normal saline to a concentration of 60- 100 mg salt/ml.
- Give first dose of intramuscular quinine and refer child urgently to hospital.

### IF REFERRAL IS NOT POSSIBLE :

- Quinine should be diluted in normal saline to a concentration of 60- 100 mg salt/ml.
- Give first dose of intramuscularly quinine.
- The child should remain lying down for one hour.
- Repeat the quinine injection at 4 and 8 hours later, and then every 12 hours until the child is able to take an oral antimalarial. Do not continue quinine injections for more than 1 week.
- If low risk of malaria, do not give quinine to a child less than 4 months of age.

| AGE OR WEIGHT                      | INTRAMUSCULAR QUININE (dose :10 mg/kg)                                                                                                   |                                                                                                                                           |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | 150 mg/ml* (in 2 ml ampoules)<br>Add the ampoule of quinine(150mg/ml)<br>to 1 ml of normal saline to make a con-<br>centration 100 mg/ml | 300 mg/ml* (in 2 ml ampoules)<br>Add the ampoule of quinine(300 mg/ml)<br>to 4 ml of normal saline to make a con-<br>centration 100 mg/ml |
| 1 kg < 2 kg                        | 0.1 ml                                                                                                                                   | 0.1 ml                                                                                                                                    |
| 2 kg < 3 kg                        | 0.2 ml                                                                                                                                   | 0.2 ml                                                                                                                                    |
| 3 kg < 4 kg                        | 0.3 ml                                                                                                                                   | 0.3 ml                                                                                                                                    |
| 4 kg < 5 kg                        | 0.4 ml                                                                                                                                   | 0.4 ml                                                                                                                                    |
| 5 kg < 6 kg                        | 0.5 ml                                                                                                                                   | 0.5 ml                                                                                                                                    |
| 4 month up to 9 months (6 -<8kg)   | 0.7 ml                                                                                                                                   | 0.7 ml                                                                                                                                    |
| 9 month up to 12 months (8 -<10kg) | 0.9 ml                                                                                                                                   | 0.9 ml                                                                                                                                    |
| 12 month up to 3 years (10 -<14kg) | 1.2 ml                                                                                                                                   | 1.2 ml                                                                                                                                    |
| 3 years up to 5 years (14 -<19kg)  | 1.6 ml                                                                                                                                   | 1.6 ml                                                                                                                                    |

\* Quinine salt