

Quinine administration guide for children with malaria in Kenya. Colour lithograph by Ministry of Public Health and Sanitation, ca. 2000.

Publication/Creation

Kenya : Ministry of Public Health and Sanitation, [2000?]

Persistent URL

<https://wellcomecollection.org/works/faf94gzh>

License and attribution

Conditions of use: it is possible this item is protected by copyright and/or related rights. You are free to use this item in any way that is permitted by the copyright and related rights legislation that applies to your use. For other uses you need to obtain permission from the rights-holder(s).



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



SEVERE MALARIA TREATMENT

INTRAMUSCULAR QUININE:

Preparation

Use 10mls sterile syringe. Draw up 5mls of sterile water for injection. Then into the same syringe, draw up 300mgs (1mls) from an ampoule of Quinine and shake. The syringe now contains 50mgs quinine per ml.

Loading

A loading dose of 15mgs/kg of quinine (diluted to a maximum 50mgs/ml) is given by intramuscular injection (preferably the anterior thigh).

A maximum of 3ml should be injected into one site otherwise use multiple injection sites.

Maintenance

12 hours after the loading dose, give 10mgs/kg (diluted to a maximum 50mgs/ml as intramuscular injection every 12 hours until the patient can take medication orally.

Oral Phase

- Artemether-lumefantrine (AL) full course (according to weight).
- Or if AL is not available oral quinine at 10mgs/kg (maximum 600mgs) 8 hourly (three times a day) to complete 7 days.

INTRAVENOUS QUININE:

Loading

Put up IV quinine drip 15mgs/kg body weight loading dose in 15mls/kg of isotonic solution (5% dextrose or normal saline) to run over 4 hours. Provided the patient has NOT taken quinine before.

Maintenance

12 hours from the start of initial dose of quinine, give 10mgs/kg in 10mls/kg of isotonic solution to run over 4 hours.

Repeat 10mgs/kg quinine infusion every 12 hours until the patient can take medication orally.

Intravenous quinine should be continued until the child can sit up and is able to take oral medication.

Oral Phase

- Artemether-lumefantrine (AL) full course (according to weight).
- Or if AL is not available oral quinine at 10mgs/kg (maximum 600mgs) 8 hourly (three times a day) to complete 7 days.

DILUTION TO 50 MG/ML

1. Use a 10mls sterile syringe.
2. Draw up 5mls of sterile water for injection.
3. Then into the same syringe, draw up 300mgs (1mls) from an ampoule of Quinine and shake.
4. The syringe now contains 50mgs quinine per ml.

Body weight	Volumes of diluted quinine injection (ml) to be administered	Number of injection sites
under 5 kg	1.0 ml	one
5.1 - 7.5 kg	1.5 ml	one
7.6 - 10 kg	2.0 ml	one
10.1 - 12.5 kg	2.5 ml	one
12.6 - 15 kg	3.0 ml	one
15.1 - 17.5 kg	3.5 ml	two
17.6 - 20kg	4.0 ml	two
20.1 - 22.5kg	4.5 ml	two
22.6 - 25 kg	5.0 ml	two
25.1 - 27.5kg	5.5 ml	two
27.6 - 30 kg	6.0 ml	two
30.1 - 32.5 kg	6.5 ml	three
32.6 - 35 kg	7.0 ml	three

NOTE

Each injection site should not be more than 3mls.