

Malaria Information & Prevention

AUTHOR P R HILL

Contents

[Tropical Parasitic Disease.....2](#)

[The Symptoms.....2](#)

[Malaria Medication.....3](#)

[Roll Back Malaria \(RBM\).....3](#)

[The History.....3](#)

[Malaria Centre.....4](#)

[Added Information.....4](#)

Malaria Information & Prevention

The female Anopheles Mosquito is deadlier than the male.

The female Mosquito is the main culprit for spreading malarial infection in the tropics.

Tropical Parasitic Disease

Malaria is by far the world's most important tropical disease. It kills more people than any other communicable disease except Tuberculosis. This information gives factual evidence from the World Health Organization (WHO) and its policy for Research and Training, in Tropical diseases. The WHO provides fifty four per cent, of its Disease budget to Malaria Research. This site is excellent and is full of interesting information it gives an insight into how the WHO works.

The Symptoms

Include fever, shivering, pain in the joints, headache, repeated vomiting, generalized convulsions, and coma. Severe Anaemia, exacerbated by Malaria, is often the cause of death in areas, with intense Malaria transmission by the Female Anopheles Mosquito. NASA, who recently visited GAMBIA, and FRENCH GUIANA, in their quest for more information provides these Observations. I liked the layout of this NASA site but found the information very limited. Personally, I thought that with all their resources they would have had a Larger Health Project.

Malaria Medication

Malaria morbidity, and mortality, has been held in check by the widespread availability of cheap and effective: Anti-Malarial drugs (Quinine and Chloroquine). However, the mosquito has become Multi-Drug-Resistant. Today's drugs are ten times more expensive, and cannot be afforded by most Tropical Countries. [LARIAM](#) (by "ROCHE") is a drug of choice at the time of writing; however, it can have side effects. In theory, there are greater risks from not taking the drug. It is paramount to seek medical travel well in advance of your travels, especially if travelling through Tropical Countries at risk of malaria. Furthermore, it is important to take anti-malarial drugs regularly for protection, even if at the risk of their side effects. The drug* MALARONE (Manufactured by "GlaxoSmithKline") has started to make an impact as one of the newer drugs available.

Roll Back Malaria (RBM)

The new project manager for Roll back Malaria is David Alnick, currently Chief of the Health Section, in the Program Division, at UNICEF's New York Headquarters. He took up his post in January 2001. Observations made by UNICEF, provide practical help and awareness (Malaria Awareness). This is the best sites I viewed; it is well thought out, with ample observations. It is also good to see an Englishman in charge; David Alnick certainly has a daunting task ahead.

The History

In 1987 Dr Manuel Elkin Patarroyo a biochemist from Colombia, developed the first Synthetic Vaccine against the *PLASMODIUM FALCIPARUM* parasite. The vaccine is still being developed; and has not yet proven to reduce malarial deaths in Africa. In 1992, Dr Patarroyo donated the vaccine to The World Health Organization This site had to be the worst that I viewed for this university assignment. Although, it did have useful information it was sparse. I found it to be uninspiring albeit factual, even the links where limited. The

site had very few graphics to hold the attention. This is very unfortunate because the subject matter is of great importance in the fight against Malaria.

[Malaria Centre \(funded by Bill Gates\).](#)

A Major new centre to undertake research for a malaria vaccine is to be built in Tanzania, thanks to a grant from Bill Gates, to the London school of Hygiene and Tropical Medicine. The London school, which is renowned in its field, has been working with the Tanzanian government, on this issue ever since it was announced that Bill Gates Microsoft Foundation, had given it a \$40 million donation to try to roll back the disease. The disease kills about three million people a year, most of who are in Africa. In my humble opinion, this is money to a good cause, and Bill Gates deserves our gratitude for this donation to World Health. This is a slow site to load, but well worth the wait, the site is full of information.

Added Information

The following information is from the World Health Organization (2001). Malaria is one of the planet's deadliest diseases, and one of the leading causes of sickness, and death in the World. There are 300 to 500 million clinical cases of Malaria each year, resulting in 1.5 to 2.7 million Deaths. The greatest Mortality is in children, followed by pregnant mothers, due to Anaemia...

[Article Written 2001] **Copying is prohibited.**