

Date: _____

Assignment No: 2: General science and ability
sir Majid Raza Chahkang

Name: Naveed Ali

ID # 32359 - 03.

Topic: Malaria and typhoid.

MALARIA:-

Malaria is an infection of RBC's and liver. Malaria is caused by plasmodium carried by female mosquito called anopheles. When the mosquito with plasmodium bites a healthy person it injects/release plasmodium in the blood of that person which then cause malarial disease in the body.

CAUSES OF MALARIA :-

Malaria is caused if a mosquito infected with the plasmodium parasite bites somebody. There are four kinds of malaria parasites that can infect humans.

- (1) Plasmodium vivax.
- (2) Plasmodium ovale
- (3) Plasmodium malarial
- (4) Plasmodium falciparum

Plasmodium falciparum causes a more severe form of the disease and those who contract this form of malaria have a higher risk of death. An infected mother can also pass the disease to her baby at birth.

This is known as congenital malaria. Malaria can be transmitted by blood so it can be transmitted through an organ transplant, a transfusion and use of shared needles or syringes.

Date: _____

SIGNS AND SYMPTOMS OF MALARIA

The patient of this disease experienced recurring attacks of chills and fevers, sweating, headache, vomiting and diarrhoea.

malarial signs and symptoms typically began within few weeks after being bitten by infected mosquito. However, some types of malaria parasites can be dormant in human body for 9 years.

TREATMENT

Blood tests can show the presence of the parasites. and chloroquine and primaquine collectively used for the treatment of *P. vivax*, *P. ovale* and *P. malariae*.

The treatment for *P. falciparum* is chloroquine for sensitive areas and Quinine, sulfadoxine and pyrimethamine for quinine resistant areas.

PREVENTION Preventional measures for malaria are: sleeping under mosquito nets, stagnant water should be avoided, using insect repellents and cover the limbs.

TYPHOID it is bacterial infection that can lead to a high fever, diarrhea and vomiting. it is caused by the bacteria *salmonella typhi* which is a gram negative rod shaped flagellated bacterium whose only reservoir is the human body.

TRANSMISSION

This disease can be spread through contaminated food and drinking contaminated water washing fruits and vegetables with contaminated water can also spread typhoid fever.

Date: _____

it can also spread through flies.

SIGNS AND SYMPTOMS

Signs and symptoms include

- 1) Fever that starts low and increased daily reaching as high as 104°F .
- 2) Headache
- 3) weakness and fatigue.
- 4) poor appetite
- 5) Abdominal pain
- 6) Diarrhea or constipation.
- 7) Reddish spots on abdomen due to bleeding under abdominal skin.
- 8) Nausea or vomiting.
- 9) if left untreated intestinal ulcers may occur.

TREATMENT

it is a bacterial infection so antibiotics like ciprofloxacin are used to treat the infection. Antipyretic drugs are also given to normalize temperature and complete bed rest is advised.

PREVENTION

Preventive measures are:

- 1) Frequently washing hands
- 2) Avoiding drinking untreated water.
- 3) Avoid raw fruits and vegetables.
- 4) Choose hot foods.

