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Q) Typhoid : Causes, Sx, Tx, Prevention.

Ans) Typhoid :

It is a bacterial infection that can spread throughout the body, affecting many organs. If prompt treatment is not given then it can cause many complications or even death.

Causes :

Typhoid is caused by the Bacteria named *Salmonella Typhi*. Which is related to the *Salmonella* bacteria which causes food poisoning.

It is a highly contagious disease. It can easily spread from 1 person to 10 person if the infected person doesn't wash his/her hands after defecating or urinating.

Symptoms :-

The symptoms usually appear 1 to 2 weeks after a person is affected with *Salmonella-Typhi*. They are:

- (i) High temperature increasing with each day.
- (ii) Headaches
- (iii) Fatigue
- (iv) Cough
- (v) Constipation.

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### Treatment:

It can easily be treated at home or at the hospital with the help of antibiotics like ciprofloxacin.

The medicines are taken for 7-14 days.

Discuss these two in a bit more detail and in points form preferably

### Prevention:

Vaccines are available for Typhoid and they need to be taken before going to areas with typhoid prevalence like; The Indian Subcontinent, Africa etc.

Both injectable vaccines (Ty21a) and capsular vaccines (Ty21c) are available

(Took me 11 mins to write this from memory)

Q1) Malaria: Causes, Sx, Tx and preventive measures.

Ans) Malaria

It is the world's largest parasitic ~~disea~~ parasitic disease killing more than any communicable disease ~~except~~ except TB.

Every year ~~300-500~~ million people contract malaria, while 3 million die because of it.

Causes:

It is caused by an intra-cellular parasite of the genus Plasmodium which is carried by the female members of a specie of ~~mosquitos~~ mosquitoes called Plas Anopheles.

Four species of ~~plasmodium~~ Plasmodium infect humans: P. falciparum (most lethal), P. vivax, P. ovale, P. Malariae.

Symptoms:-

The most common symptoms are Headaches, fever, nausea, vomiting, fatigue, muscular weakness, yellow-skin, seizures and ~~coma~~ coma.

Some of the severe symptoms include liver failure, renal failure, or cerebral disease.

Treatment:

Intravenous use of Anti Malarial drugs is indicated. In mild to moderate cases Quinine is used, while in severe cases Artesunate is preferred. Artesunate is indicated for ~~patients~~ patients already in CCU. Along with these drugs, the symptoms are controlled by Anti-fever medications.

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### Preventive measures:

Malaria can be prevented with the help of the following:

- ① Using an insect repellent.
- ② Keeping mosquitoes out of your housing
- ③ Using long-sleeved clothes when going out.
- ④ Sleeping under a mosquito net.

(Time taken = 13 min)