

## Medical parasitology(lab -1)

### What is the Parasitology / Parasites / Parasitism?

Parasitology is the study of parasites, their hosts, and the relationship between them. Or we can say A branch of biology which deals with those organisms such as plant or animal , which have become dependent on other living creatures.

### What is the Parasite ?

1. An organism that lives on or in an organism of another species, known as the host, from the body of which it obtains nutriment.
2. A person who receives support , advantage , or the like , from another or others without giving any useful or proper return , as one who lives on the hospitality of others .
3. ( In ancient Greece ) a person who received free meals in return for amusing or impudent conversation , etc.

### What is the parasitism

is a kind of utilitarian relationship between two organisms of different species, one of them is the parasite, which is benefits from the other (the host) in other words the benefit of only one party. Traditionally parasite referred to organisms with life stages that needed more than one host (e.g. are two types of parasites the first called Taenia solium). There are macroparasites (like protozoa and helminths) which are usually found in the intestines. The second type refers to microparasites, which are typically smaller, such as viruses and bacteria, and can be

transmitted between hosts of the same species directly or indirectly by an arthropod vector.

## **EQUIPMENT AND MATERIALS**

- Microscopes
- Centrifuge
- Urine & stool containers
- Slides & cover slides
- Rinse papers
- Gauzes, etc

## **REAGENTS**

- Giemsa SOLUTION
- Oil immersion
- NORMAL SALINE
- IODINE SOLUTION
- FORMALIN
- ETHER
- GLYCEROL
- METHYLENE BLUE