

# Classification of Taenia Solium

BSc Part-I Zoology (H)

## Classification :-

Phylum - Platyhelminthes

Class - Cestoidea

Sub class - Cestoida

Order - Cyclophyllidea.

Family - Taenidae

Genus - Taenia

Species - T. Solium.

## Habit & Habitat :- Taenia Solium is

Commonly known as tape worm. T. Solium is a Parasite in the intestine of Man in those parts of the world - where pork is eaten without thorough cooking. especially in Europe. but now it is comparatively rare. It injures mucous membrane lining of the alimentary canal where it adheres it may even cause mechanical injury by obstructing the alimentary canal. it causes abdominal pain, weakness, loss of weight and excessive appetite.

Structure :- The body of T. Solium is long, dorsoventrally flattened, narrow, ribbon like, reaching a length of six to ten feet. body consists of scolex or head, neck and strobila or body segments.

Scolex :- The anterior end of body of Taenia has a knob-like scolex. The scolex is smaller than the head of a pin about 1mm in diameter with 4- cup-like muscular suckers having radial muscles, and an anterior and inner circle with larger hooks and outer circular circle with smaller ones. The rostellum can be protruded slightly. The scolex with its sucker and hooks is an organ of attachment to the intestinal wall of the host.

Neck :- Behind the scolex is a thin, small, narrow unsegmented neck which grows continuously and proliferates proglottides by transverse division or sexual budding.

wall of body :- The body wall consists of cuticle, basement membrane, subcuticular muscles and parenchyma. The cuticle forms the outer most covering of the body. Cuticle consists of three layers. an outer conical layer.

Nervous System :- There are two small ganglia in the scolex connected by a broad commissure of slender nerves. The ganglia send nerves anteriorly to the sucker and rostellum and posteriorly. There are three pairs of longitudinal nerves.