Taenia solium (Pork tape worm)

 Geographical Distribution:-Widely distributed where human faeces reach pigs and pork is eaten raw or insufficiently cooked.

Habitat:

 Adult: In the small intestine of man

 Larva: In muscular tissues of pig

 Egg: In the faeces of man and in gravid segment.

Morphology: Adult

Colour: pale blue

Scolex (head): Quardate with four large deep suckers, rostellum with two rows of hooklets

Strobila: 800-1000 Proglottides

 Immature proglottide are broader than long

 Mature proglottide are nearly square and genital pores are arranged irregularly alternate on the lateral margin.

Gravid Proglottides:- 7 to 12, on average 10 lateral compound uterine branches. Small chains of 3-4 rectangular segments found in the faeces.

 Larvae:- Known as Cysticercus cellulosae Found in skeletal and muscular tissues of pig Has four sucers, rostellum and two raws of hooklets

Egg (embryophore): -morphologically identical with the egg of T.saginata.

 Size: - 31-43 (m Shape: -Round Colour:-

 Shell-dark yellowish-brown, content light yellowish gray.

 Shell: -Thick, Smooth, brown, radially straighten (embryophore) Content: - A round granular mass enclosed by a fine membrane with 6 hooklets. Does not stains red (acid fast) in Ziehl-Neelsen staining technique

Life Cycle: The life cycle of T.solium is similar to that of T. saginata except pig

Mode of Transmission can be

. - Eating raw or under cooked pork meat

 - Eggs in food or drink