• Cover with cilia
• Double **difference** nucleus
  *Medically important parasite*
  *balantidium coli*
**Balantidium coli**

- **Morphology:**
  - Shape: oval, measure 50-80µ long and 40-60µ wide
  - Inferior *cytostome* and posterior *cytopyge*
  - **Double nucleus** (micro and macro nucleus)
  - Cilia, vacuole and some RBC
  - **Cyst:** oval or circle.
Transmission

- Natural host pigs
- Accidental host human.
Pathogenesis

- Cases dysentery
- Use intestine tissue, RBC, and bacteria as a food
- Hyaluronidase
- Mixture: Appendicitis, liver and intestine abscess, intestine ulcer and it is perforation.
Life cycle
Diagnosis

- Detection of trophozoit and cystic form of parasites in stool.
Trophozoite
Cyst

- cyst wall
- oral apparatus of encysted troph
- macronucleus
Treatment

- **Tetracycline HCl** (500mg X 4) for 10 days
- **Iodoquinol** (650mg X 3) for 21 days.