

# **Ascaris-As pathogwnic helminth(part-3)**



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# Ascaris-Pathogenicity



## **Filariasis:**

- Disease caused by ascaris is commonly called ascariasis.
- Men gets infection by consuming food and water contaminated with infective eggs.
- Incidence of ascariasis is greater in children than in adults.

# Ascaris-Pathogenicity



## **Pathogenesis:**

- Larvae often more injurious than adult worms by causing haemorrhages.
- They sometimes bore through intestinal epithelium and enter the general circulation.
- Which may finally land them in some vital organs like- kidneys, spinal cord, brain or muscles ,where they may cause serious injuries.

# Ascaris-Pathogenicity



## **Pathogenesis(contd...):**

- Severe haemorrhagic condition develop in lungs where they cause petechial haemorrhages and inflammation of alveolar tissue followed by oedema.

In severe infection– They cause acute pneumonia.

- Other symptoms developed are-
- temperature
- Anaemia
- Leucocytosis, and
- Eosinophilia

# Ascaris-Pathogenicity



## **Patogenesis(contd...)**

- Adults usually cause enteritis and their migration into appendix, gall bladder and common bile duct may cause inflammation there.
- In the intestine adults suck blood from its wall and draw nourishment from its contents.

# Ascaris-Pathogenicity



## **Pathogenesis (contd...):**

- Worm produces toxins which causes irritation of mucous membrane, nervous symptoms like-
- Convulsions
- Delirium
- Coma
- Nervousness

# Ascaris-Pathogenicity



## **Pathogenesis(contd--):**

- Other symptoms are-
- Intense colic pain
- Abdominal discomfort
- Diarrhoea
- Vomiting
- Mild temperatures

*Thank You*

