

Ascaris-As pathogwnic helminth(part-3)



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Semester - VI, Paper CC-14

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

