

Wuchereria bancrofti-As pathogwnic helminth (part-3)



**By Dr. Shashi Prabha
HOD , Zoology Dept.
Karim City College**

Semester - VI, Paper CC-14

Wuchereria bancrofti-pathogenicity



- The pathogenesis of W.bancrofti infection is dependent on the immune system and inflammatory responses of the host.
- Its infection causes wuchereriosis ,commonly called filariasis.
- Mode of infection- through the bite of mosquito.
- Transmitting agent –female mosquito

Vector and microfilariae



Flariasis



Wuchereria bancrofti-pathogenicity



Pathogenesis—

- Light infection produces no serious symptoms.
- It causes filarial fever, mental depression, headache etc.
- In heavy infection, accumulation of living or dead worms
- Eventually blocks the lymphatic vessels and glands, resulting
- In various pathological conditions.

Wuchereria bancrofti-patogenicity



- It results in the immense swelling of the affected body parts termed elephantiasis or filariasis.
- Due to lymphatic obstruction lymph can not get back into circulatory system, accumulates into organs and causes them to swell (lymphodema)

Wuchereria bancrofti-pathogenicity



- Generally lower limbs ,scrotum in male, legs and mammary glands are affected.
- People with elephantiasis will have chances of more bacterial infection in the skin and lymph system.
- This causes hardening and thickening of the skin.

Filariasis and skin infection



Thank You

