

All you need to know about

# HANTA VIRUS



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# HANTA VIRUS INFECTIONS

- caused by a group of viruses known as hantaviruses.
- cause two serious illnesses in humans.
  1. Hemorrhagic fever with renal syndrome (HFRS) and
  2. Hantavirus pulmonary syndrome (HPS)
- Fatal - mortality rate 38%.



# Symptoms of Hanta Virus Infections



- **Early Symptoms**

- fatigue,
- fever
- muscle aches

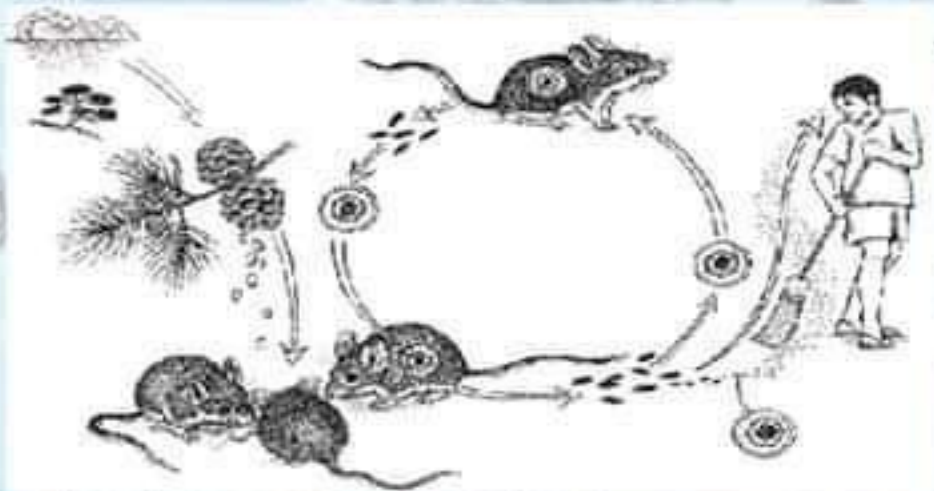
- **Late Symptoms**

- coughing and shortness of breath
- Lungs filled with fluid



# How humans become infected?

- Through contact with infected rodent excreta (urine , saliva , feces , dead body or blood )
- Being inhaled, Mucosa contact or bite



## Source of Hanta Virus Infections

- There are several distinct Hanta viruses, each associated with specific Rodent Host
- Humans get infected by inhaling aerosols of Rodent excreta. (Urine, Feces, Saliva )





# Clinical features

- A 2to3 week incubation period is followed by a protracted clinical course
- Typical phases:
  - Febrile period,
  - Hypotension,
  - Oliguria,
  - Diuresis and
  - Convalescence phase.



## Treatment for HPS

- There is no specific treatment, cure, or vaccine for Hantavirus infection.
- The earlier the patient is brought in to intensive care, the better.
- Hantavirus is difficult to diagnose in early stages

