

## Hantaviruses

DNA virus, enveloped, Family: Bunyaviridae.

### Prevalence

- Rare

### Diagnosis

- Serology

### Disease

- No clinical signs in infected rodents

### Strains

- Hantaan, Prospect Hill, Puumala, Dobrava, Seoul, Sin Nombre

### Screening

- Prior to entry to a facility

### Transmission

- Direct contact or contact with urine or faeces of infected animals

### Duration

- Persistent infection

### Durability

- Gaseous formalin or vaporised hydrogen peroxide is effective

### Significance

- Zoonosis with severe disease of the kidneys and vascular system or the respiratory system

### Control

- Pathogen exclusion. Hysterectomy rederivation and embryo transfer

### Reading

- Infectious Diseases of Mice and Rats National Research Council 1991.
- Pathology of Laboratory Rodents and Rabbits, 3rd Edn., Dean H Percy & Stephen W Barthold, 2007.
- University of Missouri, Research Animal Diagnostic Laboratory website, <http://www.radil.missouri.edu>