DNA viruses

Papovaviruses

Human Papovaviridae
Papillomavirus - warts
Polyomavirus
BK virus - renal disease
JC virus - progressive multifocal leukoencephalopathy

Parvoviruses

• The parvoviridae are the smallest of the DNA viruses.

 Only one member of the Parvoviridae, B19 is known to cause human disaese – erythema infectiosum (fifth disease), a common childhood exanthem.

Adenoviruses

- Adenoviruses were first isolated in 1953 in a human adenoid cell culture.
- Since then, approximatelly 100 serotypes, at 47 of which infect humans, have been recognized.
- Adenoviruses infect epithelial cells of the pharynx, conjuctiva, small intestine, and occasionally other organ systems.

Adenovirus infections in humans

- Respiratory diseases
 - acute febrile pharyngitis
 - pharyngoconjuctival fever
 - acute respiratory disease
 - pneumonia
- Eye infections
- Gastrointestinal disease
- Other diseases
 - acute hemorrhagis cystitis in children
 - cervical lessions
 - urethritis

Human herpesviruses

 Alphaherpesvirinae – Herpes simplex type 1 – Herpes simplex type 2 – Varicella zoster virus Betaherpesvirinae - Cytomegalovirus – Human Herpes virus 6,7 Gammaherpesvirinae – Epstein-Barr virus

– Kaposi´s sarcoma-related virus

Poxviruses

- Poxviruses are the largest and most complex of viruses.
- Infections with the most poxviruses are characterized by a rash, although lesions induced by some members of the family are markedly proliferative.
- Poxviruses include the human viruses varialla (smallpox) and molluscum contagiosum poxvirus.