

Adenoviruses

Template:Infobox - virus A group of viruses that attack cattle, dogs, horses, mice and birds in addition to humans. 41 human serotypes are known.^[1]

The group is divided into two genera:

- **mastadenovirus**,
- **aviadenovirus**.

Virion

The virion is 70-90 nm large, resistant to ether, sensitive to chlorine and its derivatives.

Diseases

1. Acute diseases of the **respiratory tract** – pharyngitis, fever, bronchitis, bronchopneumonia or pneumonia.
2. **Conjunctivitis** – mostly in summer (possible water transfer).
3. Diseases of the **digestive system** – mesenteric adenitis or diarrhea.

Pathogenesis

- Gate of entry: mucous membranes of the respiratory and digestive tract, conjunctiva.

Diagnostics

- **Isolation** – from the conjunctival sac, nasopharyngeal secretion, from urine on cell cultures;
- ELISA.

Epidemiology

Virus spreads as **droplet infection** - secretions from infected mucous membranes. Less often through urine and faeces.

Links

Related articles

- **Diarrheal diseases:** Viral gastroenteritis ■ Bacterial gastroenteritis ■ Gastrointestinal parasitosis ■ Enterotoxigenesis ■ Diarrhea induced by drugs ■ Differential diagnosis of diarrheal diseases ■ Therapy of diarrheal diseases

Bibliography

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- BEDNÁŘ, Marek – SOUČEK, Andrej – FRAŇKOVÁ, Věra. *Lékařská mikrobiologie : Bakteriologie, virologie, parazitologie*. 1. edition. Praha : Marvil, 1996. 558 pp. ISBN 8023802976.

References

1. BEDNÁŘ, Marek – SOUČEK, Andrej – FRAŇKOVÁ, Věra, et al. *Lékařská mikrobiologie : Bakteriologie, virologie, parazitologie*. 1. edition. Praha : Marvil, 1999. 558 pp. ISBN 8023802976.

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