## ADENOVIROSES

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<th>ANIMAL GROUP AFFECTED</th>
<th>TRANSMISSION</th>
<th>CLINICAL SIGNS</th>
<th>FATAL DISEASE ?</th>
<th>TREATMENT</th>
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<tr>
<td>Cercopithecidae, Pongidae, Scandentia</td>
<td>Probably contact (aerogenous)</td>
<td>Mostly asymptomatic, occasionally coughing, sneezing, nasal discharge. In newborns or immunosuppressed animals fatal pneumonias; bloody diarrhea in necrotizing pancreatitis</td>
<td>Yes in newborns and immunodeficient animals</td>
<td>None</td>
<td>In houses in zoos</td>
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**Fact sheet compiled by**
Manfred Brack, formerly German Primate Center, Göttingen / Germany.

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**Susceptible animal groups**
Old World monkeys and apes, *Tupaia belangeri*; SIV-infected monkeys.

**Causative organism**
Adenoviruses: SV 1, 11, 15, 20, 23, 32, 33, 34, 37, 38, 39; SA 7, V 340, Pan 5, 6, 7, 9, 11, CV 33, 68.

**Zoonotic potential**
None.

**Distribution**
In captive colonies World – wide.

**Transmission**
Probably contact (aerogenous).

**Incubation period**

**Clinical symptoms**
Mostly none, occasionally coughing, sneezing, purulent nasal discharge, conjunctivitis. Fatal pneumonias particularly in newborn monkeys raised in incubators. In necrotizing pancreatitis: bloody diarrhea.

**Post mortem findings**
Inclusion body pneumonias, acute necrotizing pancreatitis, acute necrotizing hepatitis

**Diagnosis**
Virology: tissue culture, PCR, electron microscopy.

**Material required for laboratory analysis**
Tissues, serum.

**Relevant diagnostic laboratories**

1. Virus Reference Laboratories, Inc.
   7540 Louis Pasteur Road
   San Antonio, Tx, 78229, USA
   Tel.: (210) 614 – 7350
   Fax: (210) 614 – 7355

2. Konsiliarlaboratorium für Adenoviren,
   Institut für Virologie der Medizinischen Hochschule Hannover
   Carl-Neuberg-Straße 1
   D 30625 HANNOVER
Treatment
None.

Prevention and control in zoos

Suggested disinfectant for housing facilities

Notification

Guarantees required under EU Legislation

Guarantees required by EAZA Zoos

Measures required under the Animal Disease Surveillance Plan

Measures required for introducing animals from non-approved sources

Measures to be taken in case of disease outbreak or positive laboratory findings

Conditions for restoring disease-free status after an outbreak

Experts who may be consulted

References