



HERPESVIRUS TAMARINUS

(Herpes T-Virus, *Herpesvirus platyrrhinae*, *Herpesvirus saimiri* type 1, *Alphaherpesvirus saimiri*)

ANIMAL GROUP AFFECTED	TRANSMISSION	CLINICAL SIGNS	FATAL DISEASE ?	TREATMENT	PREVENTION & CONTROL
Natural: <i>Saimiri sciureus</i> ; foreign: Callitrichidae, <i>Aotus trivirgatus</i>	Probably by direct or indirect contact	In squirrel monkeys usually none; in Callitrichidae/ <i>Aotus trivirgatus</i> : facial edema, parotitis, depression, death.	Yes, in Callitrichidae particularly in <i>Saguinus oedipus</i>	None	<i>In houses</i> Strict separation of squirrel monkeys and callitrichids <i>in zoos</i> strict separation of squirrel monkeys and callitrichidae

Fact sheet compiled by Manfred Brack, formerly German Primate Center, Göttingen / Germany.	Last update November 2003
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Susceptible animal groups Natural hosts: <i>Saimiri sciureus</i> ; foreign hosts: <i>Saguinus</i> spp., <i>Callithrix jacchus</i> , <i>Leontopithecus chrysomelas</i> , <i>Aotus trivirgatus</i> .	
Causative organism <i>Herpesvirus tamarinus</i> . (Alphaherpesvirus, only weakly cross reacting with <i>H.hominis</i> , <i>H.simiae</i>).	
Zoonotic potential None.	
Distribution As natural Infection South- and Central America; in captivity World-wide	
Transmission Probably by direct or indirect contact . Many squirrel monkeys are latently infected and excrete the virus temporarily or recurrently during their entire life.	
Incubation period	
Clinical symptoms In squirrel monkeys usually asymptomatic infections, rarely oral/ perioral ulcers. The disease in Callitrichidae ranged from mild disease and occasionally asymptomatic carriers in <i>Saguinus fuscicollis</i> to rapidly fatal disease in <i>Saguinus oedipus</i> . In <i>Aotus trivirgatus</i> facial edema, parotitis, depression and death have been reported.	
Post mortem findings In squirrel monkeys usually none. In Callitrichidae pneumonia, hepatitis, lienitis, hepatic-, splenic-, and adrenal necroses with Cowdry type A intranuclear inclusion bodies.	
Diagnosis Virology: tissue cultures, intracerebral inoculation of baby mice	
Material required for laboratory analysis Material from necrotic lesions.	
Relevant diagnostic laboratories 1. New England Primate Research Laboratory, Southborough/ Ma/ USA. 2. Virus Reference Laboratories, Inc. 7540 Louis Pasteur Road, SAN ANTONIO, Tx. 78229	



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Treatment**Prevention and control in zoos**

Strict separation of all squirrel monkeys from other New World monkeys.

Suggested disinfectant for housing facilities

Detergents, soap, UV-light, heat.

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**

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