GROUP C – STREPTOCOCCOSIS

ANIMAL GROUP AFFECTED	TRANS-MISSION	CLINICAL SIGNS	FATAL DISEASE ?	TREATMENT	PREVENTION & CONTROL
Mandrillus sphinx, Macaca silenus, Saguinus labiatus, Callimico goeldii, Tupaia glis	Probably aerogenously	Peracute sudden death	Yes	Antibiotics (Penicillin, Amoxicillin, Oxacillin)	*In houses* No horsemeat feeding, no contact to persons with sore throat *in zoos* no horsemeat feeding, no contact to persons with sore throat

Fact sheet compiled by Manfred Brack, formerly German Primate Center, Göttingen / Germany.	**Last update** 22.11.2008
Susceptible animal groups *Mandrillus sphinx, Macaca silenus , M.mulatta, Saguinus labiatus, Callimico goeldii, Tupaia glis.*	
Causative organism *Streptococcus equi* , subsp. *zooepidemicus. S. equi* subsp. *zooepidemicus* is differentiated from *S. equi* subsp. *equi* by its positive sorbit – metabolism.	
Zoonotic potential Yes.	
Distribution In Equidae World-wide	
Transmission Probably aerogenously. *Str. zooepidemicus* causes pharyngitis and fatal septicaemia and endocarditis in man, the streptococci are carried in the pharynx of man and rhesus monkeys.	
Incubation period 2 – 3 days.	
Clinical symptoms Peracute, purulent conjunctivitis, rhinitis, pharyngitis,respiratory distress, sudden death.	
Post mortem findings Haemorrhages on abdominal and throacic serosal surfaces, pleuritis, epi- and prericarditis, splenomegaly.	
Diagnosis Cultivation, Lancefield-group serology.	
Material required for laboratory analysis Specimens from internal organs.	
Relevant diagnostic laboratories 1. Inst. f. Mikrobiologie und Immunologie Friedrich-Wilhelm-Universität Bonn und Nationales Referenzzentrum für Streptokokken Bonn, Germany 2. Nationales Referenzzentrum für Streptokokken am Institut für Medizinische Mikrobiologie der Rheinisch-Westfälischen Technischen Hochschule Aachen, Pauwelstr. 30 D 52057 AACHEN Tel.: 0241 80 89510	

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3. Local veterinary and medical laboratories.

Treatment
Antibiotics (Penicillin, Amoxicillin, Oxacillin).

Prevention and control in zoos
No feeding of raw horsemeat in mixed collections, no admission of persons suffering from pharyngitis .

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
1. Prof. Dr. R. Lütticken, NRZ, Aachen,
2. PD R. R. Reinert, " "
3. Frau Dr. C. Brandt, " "

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