



TETANUS

ANIMAL GROUP AFFECTED	TRANSMISSION	CLINICAL SIGNS	FATAL DISEASE ?	TREATMENT	PREVENTION & CONTROL
<i>Macaca mulatta</i> , <i>Papio cynocephalus</i> , <i>Callicebus moloch</i> , <i>Saimiri sciureus</i>	Deep wounds (bite wounds)	Lockjaw: torpor, stiffening, trismus, opisthotonus, status epilepticus, death	Yes	Hyperimmune serum, Penicillin	<i>In houses</i> <i>in zoos</i> vaccination

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Susceptible animal groups <i>Macaca mulatta</i> , <i>Papio cynocephalus</i> , <i>Callicebus moloch</i> , <i>Saimiri sciureus</i> .	
Causative organism <i>Clostridium tetani</i> .	
Zoonotic potential Questionable.	
Distribution World-wide.	
Transmission Deep wounds – bite wounds!	
Incubation period In man 2 – 14 days.	
Clinical symptoms Torpor, inability to prehend food, difficulties in swallowing food, stiffening “kangaroo hopping”, trismus, opisthotonus, status epilepticus, death.	
Post mortem findings None.	
Diagnosis Clinical Symptoms, only exceptionally anaerobic cultivation of the lesions.	
Material required for laboratory analysis	
Relevant diagnostic laboratories Konsiliarlaboratorium für anaerobe Bakterien Zentrum für Infektionsmedizin Institut für Medizinische Mikrobiologie und Infektionsepidemiologie Universität Leipzig Liebigstr. 24 D 04103 Leipzig Tel.: 0341 – 9715 200 Fax: “ “ 209 e-mail: acr@medizin.uni-Leipzig.de	
Treatment Hyperimmuneserum, Penicillin, Tetracycline.	
Prevention and control in zoos Tetanus – toxoid vaccination.	
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 Prof. Dr. A. C. Rodloff, Konsiliarlaboratorium Leipzig
References <ol style="list-style-type: none">1. Brack, M. 1987. Agents Transmissible from Simians to Man. Springer, Berlin.2. Goodwin, W. J., R. J. Haines, and J. Bernal. 1987. Tetanus in baboons of a corral breeding colony. Lab. Anim. Sci. 37. 231 – 232.3. Kessler, M. J., J. D. Berard, and R. D. Rawlins. 1988. Effect of tetanus toxoid inoculation on mortality in the Cayo Santiago macaque population. Am. J. Primatol. 15: 93 – 101.