



## TRICHOSTRONGYLOSIS

ANIMAL GROUP AFFECTED	TRANSMISSION	CLINICAL SIGNS	FATAL DISEASE ?	TREATMENT	PREVENTION & CONTROL
Macaques, New World monkeys	Perorally	None	Yes	Ivermectin	<i>In houses</i>  <i>in zoos</i>

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<b>Susceptible animal groups</b> <i>Macaca</i> spp. ( <i>Nochti</i> ), New World monkeys ( <i>Molineus</i> spp).	
<b>Causative organism</b> <i>Nochti</i> , <i>Molineus torulosus</i> .	
<b>Zoonotic potential</b> No.	
<b>Distribution</b> Naturally: <i>N.nochti</i> : Asia, <i>Molineus</i> spp. South / Central America.	
<b>Transmission</b> Perorally.	
<b>Incubation period</b>	
<b>Clinical symptoms</b>	
<b>Post mortem findings</b> <i>N.nochti</i> : cauliflower- like epithelial growths in the gastric mucosa (especially at the fundic/pyloric border) <i>M.torulosus</i> : ulcerative enteritis, granulomatous thrombophlebitis and pancreatitis.	
<b>Diagnosis</b> Ovodiagnosis, necropsy.	
<b>Material required for laboratory analysis</b> Altered tissues.	
<b>Relevant diagnostic laboratories</b>	
<b>Treatment</b>	
<b>Prevention and control in zoos</b>	
<b>Suggested disinfectant for housing facilities</b>	
<b>Notification</b>	
<b>Guarantees required under EU Legislation</b>	
<b>Guarantees required by EAZA Zoos</b>	
<b>Measures required under the Animal Disease Surveillance Plan</b>	
<b>Measures required for introducing animals from non-approved sources</b>	



<b>Measures to be taken in case of disease outbreak or positive laboratory findings</b>
<b>Conditions for restoring disease-free status after an outbreak</b>
<b>Experts who may be consulted</b>
<b>References</b> <ol style="list-style-type: none"><li>1. Brack, M., B. J. Myers, and R. E. Kuntz. 1973. Pathogenic properties of <i>Molineus torulosus</i> in capuchin monkeys, <i>Cebus apella</i>. <i>Lab. Anim. Sci.</i> 23: 360 – 365.</li><li>2. King, N. W. jr., 1993. Noctiasis. <i>In</i>: Jones, T. C., U. Mohr, and R. D. Hunt (eds.) <i>Nonhuman Primates II. Monographs on Pathology of Laboratory Animals</i>. Springer, Berlin. Pp 238 – 240.</li><li>3. Rego, A. A., and G. Schaeffer. 1987. <i>Molineus torulosus</i> (Molin, 1861) (Nematoda, Trichostrongylidea) patogenicia em cebus (Primata). <i>Arq. Flum. Med. Vet.</i> 2: 113 – 115.</li><li>4. Wolff, P. L. 1993. Parasites of New World primates. <i>In</i>: Fowler, M. E. (ed.) <i>Zoo &amp; Wild Animal Medicine. Current Therapy 3</i>. Saunders, Philadelphia. Pp 378 – 389.</li></ol>