

Pathogenic effects associated with natural Gastrointestinal helminth infections in pigs in Kenya

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Abstract

Pathogenic effects associated with gastrointestinal helminth infections in pigs were analyzed in 78 infected and 37 non-infected pigs in Department of Veterinary Pathology and Microbiology, University of Nairobi. Gross and microscopic lesions encountered were scored subjectively and the results compared using Mann - Whitney rank sum test. Of the infected, 37 (47.4 %) had mild lesions in gastrointestinal tract while the remaining 41 (52.6%) and all non-infected pigs had no lesions. Catarrhal gastritis was observed in ascarids strongylina (2), while in mixed physiocephalus. Sexulatus and Hyostrongylus rubidus, focal mucosal necrosis was an additional lesion. Partial intestinal obstruction (2), muc-purulent enteritis (3), villous atrophy (2) and entrapped larval cysts (1) were encountered in small intestines of pigs infected by ascaris suum, Trichostrongylus columbriformis, mixed A. suum, T.