

Turkish Journal of Zoology

Turkish Journal

of

Zoology

Histopathologic Alterations Associated with *Syphacia* sp. (Nematode) in the Intestine of *Nesokia indica*

Nasira KHATOON

Department of Zoology, University of Karachi - KARACHI

Fatima Mujib BILQEES

Department of Parasitology, Baqai Medical University - KARACHI

Dure Shahwar JAFFERY, A.G. RIZWANA

Department of Zoology, University of Karachi - KARACHI

 [Keywords](#)
[Authors](#)



zool@tubitak.gov.tr

[Scientific Journals Home](#)
[Page](#)

Abstract: The present work was undertaken to study the histopathological changes in the intestine of male rat *Nesokia indica*. Histopathological sections of infected intestine were prepared by fixing small pieces of intestine in buffer formalin for 24 h. The fixed material was washed with 70% alcohol and dehydrated and cleared for paraffin block making by the usual procedure. Sections of 5 to 7 μ thickness were used for the present study. E & H stained serial sections were mounted permanently in DPX. Sections were examined in detail and photomicrographs of selected sections were taken by Nikon (Optiphot-2) photomicroscope using Fuji colour film. Histopathological study of selected portions of the intestine revealed that nematode parasites severely affected the whole thickness of the intestinal wall. Pronounced changes included atrophy of the villi and underlying tissue as a common finding. Granulomatous tissue masses and granulation lesions were also obvious. Hypertrophy and hyperplasia of the glandular region were seen. Pedunculate edema forming a condition like sessile villous adenoma was an important finding.

Key Words: *Syphacia* sp., Nematode, *Nesokia indica*, intestine, Histopathology

Turk. J. Zool., **28**, (2004), 345-351.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Zool., vol.28, iss.4.](#)