antipyretic, diuretic, vermifuge. Leaves are expectorant, diuretic, antispasmodic.

23. *Andrographis paniculata* (Acanthaceae). Stomachic and mild antipyretic.

24. *Tectona grandis* (Verbenaceae). Flowers and seeds diuretic leaves stomachic, astringent and vermifuge.

25. *Vitex negundo* (Verbenacae). Stomachic, antiflatulent, analgesic, antiseptic, expectorant, diuretic.

Distinct remedial properties used by the local people are included in the list above. The pattern of utilization varies considerably -- often taken in crude forms, fresh or in dried forms. Dosage varies from place to place and state of health of a person. The main drawback in the folk medicine of the area is non-standardization. However, there is strong faith in this system of medicine as it is one of the most commonly practiced system locally.

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SPIROCERCA INFECTION IN TIGER

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Spirocerca lupi commonly known as oesophageal worm is a nematode parasite of dog and other carnivores. The parasite usually gets localised in the oesophageal wall where it produces granulomas and occasionally neoplasms and in aorta , it causes aneurysm (Solusby, 1968). The present paper reports a case of *Spirocerca* infection in a tiger and its successful treatment.

A male tiger 'Chandu', of Maharajbag Zoo had occasional coughing and vomiting for one month. The tiger showed anorexia and dullness, frequency of vomiting suddenly increased (4 times) on 13.iii.2000. On examination, it revealed some meat, grass blades and mucous. Hence the tiger was suspected to be suffering from gastritis and was treated with Tab Rantac 300 mg. three tabs, Mucain gel 50ml. on beef and Cisapride tab-5 once on beef. The tiger vomited again the next morning. The fecal sample and the vomitus were sent to the laboratory for the necessary examination. The treatment continued for another 3 days without any improvement. Although the animal continued to feed on beef the vomiting did not stop. The report of the fecal sample revealed the ova of *Spirocerca lupi* and larvae of the parasite were seen in the vomitus. It was concluded that the animal was suffering from *Spirocerca lupi* infection and hence pyrental pamoate was given with beef at the rate of 30mg/kg body weight along with the earlier treatment. The same treatment was continued on the next day also. Tab. Rantac and Cisapride were continued for 2 more days. The tiger regained full appetite and vomiting stopped after 55 days of treatment. The fecal sample examination on 7th, 14th and 21st day post treatment did not reveal the ova of the parasite. Similarly, coughing and vomiting was also not noticed during that period.

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The occurrence of *Spirocerca lupi* infection is reported in dogs by several authors (Murali Manohar, 1999) but reports in wild animals are few. Sreenivasgowda *et al.* (1983) recorded infection in a five-month old female lion cub at post mortem examination. The cub was reported to have died after showing symptoms of wobbling gait, weak muscles of hind quarters, vomit and diarrhoea. Post mortem examination showed massive hemorrhage in the thoracic cavity and presence of nodules in the aorta containing reddish coiled worms along with ruptured aneurysm. Agarwal *et al.* (1986) also reported a case of aortic spirocercosis in Jackal. The infection of *Spirocera* is often undiagnosed during life as the ova of the parasites are seen occasionally in faeces only after 5-6 months of infection. Due to occasional coughing and vomiting initially the present case was diagnosed as a case of gastritis. As the tiger had responded to the treatment and faecal sample examination after 7th, 14th and 21st day post-treatment did not reveal any parasitic ova, it can be concluded that Pyrental pamoate is effective against *Spirocerca lupi* infection in tiger also.

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