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Ancylostomosis in a pug-a case report

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Abstract

A Pug dog of 5 months age was presented to college hospital with the history of bloody diarrhoea, vomition, inappetence since 3 days. On clinical examination, temperature - 102.3°F, pulse: 130/min, respiration rate: 32/min and severe dehydration. Haematological parameters revealed PCV-22% and Hb-6gm%. Faecal sample was scanned by using Scan vet kit (INTAS) and found negative for canine parvo viral disease and faecal examination revealed positive for Anchylostomes. The dog was treated with inj-Ivermectin @ of 200 ug/ kg.b.wt, inj-Ferritas-0.5 ml I/M, inj-Perinorm 0.5 ml I/M, inj-DNS-50 ml I/V. Supportive therapy with B- complex injection Tribivet ml (B1, B6, B12) and advised syrup-Sharkoferol daily 5 ml-BID. After 2 days the dog started recovering and complete recovery was noted after a period of 10 days.

Keywords: Bloody diarrhoea, Inappetence, vomition, dehydration, Anchylostomes egg.

1. Introduction

Ancylostomes are blood sucking parasites and cause severe anaemia and hypoproteinemia in dogs (Bhatt *et al.*, 2011) ^[1]. *Ancylostoma caninum* is the principal cause of canine hookworm disease in most of the tropical and subtropical areas of the world (Merk manual, 2010) ^[2]. *A.caninum* is also pathogenic in humans, causing cutaneous larvae migrans or “ creeping eruptions” and oesinophillic enteritis(Brenner and patel 2003) ^[3].

History and Diagnosis

A 5 months pug was presented to the College of Veterinary Science, Proddatur with a complaint of bloody diarrhoea, vomition, inappetence since 3days.

On clinical examination, temperature -102.3°F, pulse: 130/min, respiration rate: 32/min and severe dehydration. Haematological parameters revealed PCV-22% and Hb - 6 gm%. Faecal sample was tested by using Scan vet kit (INTAS) for parvovirus and found to be negative for canine parvo viral enteritis and faecal examination revealed numerous anchylostomes egg.

Results

Faecal sample was scanned by using Scan vet kit (INTAS) and found negative for canine parvo viral disease and faecal examination revealed positive for Anchylostomes eggs and few ascaris eggs. Stained blood smears revealed microcytic hypochromic anaemia.



Pug with bloody diarrhea

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Ancylostoma egg

Treatment

The dog was treated with inj-Ivermectin @ of 200 ug/kg.b.wt, for one day and again repeated on 3rd day, inj-Ferritas-0.5 ml I/M, inj-Perinorm 0.5 ml I/M, inj-DNS-50 ml I/V. Supportive therapy with B-complex injection Tribivet 0.5 ml (B1, B6, B12) for three days and advised syrup- Sharkoferol daily 5 ml-BID which is supported by (Bhatt *et al.*, 2011) ^[1].

Discussion

Animals most severely affected by *Ancylostoma caninum* are puppies which have acquired substantial burdens of worms by the lactogenic route. Puppies of smaller breeds suffer relatively more severely than those of larger breeds, but in all newborn puppies iron reserves are marginal and milk is a poor source of iron (Soulsby, 1982) ^[4]. Infected animals develop anaemia, diarrhoea, haemorrhagic enteritis, vomiting, depression and weight loss, sometimes leading to death (Burrows *et al.* 1995 ^[5];

Bowman *et al.* 2003) ^[6]. The infection of dogs *A.caninum* resulted in a decreased in a number of circulating erythrocytes, worsening anaemia (Dias *et al.*, 2013) ^[7]. Ivermectin is the effective drug for control of gastrointestinal parasites in animals. The effective of Ivermectin pour-on against *Ancylostoma caninum* resulted in reduced egg count exceeded 98%, so this drug can be used in antiparasitic programme in dog (Khayatnouri *et al.*, 2012) ^[8].

Conflict of Interest

Not available

Financial Support

Not available

References

1. Bhatt P, Singh GD, Debas YPS. Ancylostomosis associated ascites in a dog and its therapeutic management. *Intas Polivet*. 2011;12(1):104-106.
2. The Merck Veterinary Manual. 10th ed. 2010.
3. Brenner MA, Patel MB. Cutaneous larva migrans: The creeping eruption. *Cutis*. 2003;72:111-115.
4. Soulsby EJJ. Helminths, arthropods and protozoa of domesticated animals. London: Bailliere Tindall; 1982.
5. Burrows CF, Batt RM, Sherding RG. Disease of the small intestine. In: Ettinger SJ, Feldman EC, editors. *Textbook of veterinary internal medicine: Diseases of the dog and cat*. 4th ed. Philadelphia: W.B. Saunders; 1995. p. 101-138.

6. Bouman DD, Rock T, Heaney K, Neumann NR, Ulrich M, Amodie D. Persistent efficacy of moxidectin canine sustained-release injectable against experimental infections of *Ancylostoma caninum* and *Uncinaria stenocephala* in dogs. *Veterinary Therapeutics*. 2003;4:228-233.
7. Dias SRC, Cunha DES, dos Santos H, Fujiwara RT, Rabelo EML. Evaluation of parasitological and immunological aspects of acute infection by *Ancylostoma caninum* and *Ancylostoma braziliense* in mixed-breed dogs. *Parasitology Research*. 2013.
8. Khayatnouri MH, Garedaghi Y. Efficacy of ivermectin pour-on administration against natural *Ancylostoma caninum* infestation in native dogs of East Azerbaijan province, Iran. *Journal of Animal and Veterinary Advances*. 2012;11(4):526-530.

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