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To the Editors:

Hookworm infection as a cause of melaena

The case report by Lamabadusuriya and Perera (1) highlights an unusual manifestation of hookworm infection. However, melaena due to hookworm infection is not as rare as the authors seem to imply, especially in the paediatric age group. A review of infantile hookworm disease in China found that it has been reported in over 500 infants since the 1960s and melaena was the most frequent manifestion (in 75 to 100% of cases) which brought the baby to hospital (2).

There are some unusual features in their case report (1). Firstly, the age of the child: at 2 years, this child is older than those reported in China, nearly all of whom were below 12 months of age, including many who developed disease in the first month of life, perhaps from transmammary transmission. Secondly, the species of parasite: all except one of the Chinese cases were caused by Ancylostoma duodenale. This species is said to cause more blood loss and damage to the small intestinal mucosa than Necator americanus, the offending parasite in the local case report. Finally, the results of stool examination for helminth ova are most surprising: the initial report was negative for hookworm ova, and subsequent examination gave a count of 150 hookworm eggs / gram faeces. This count qualifies for classification only as a light infection, according to WHO criteria (< 2000 epg faeces) (3), and is not in accordance with the endoscopic findings of "a large number of worms attached to the second part of the duodenal mucosa" (1). Melaena would not have occurred unless there was a sizeable population of adult hookworms present in the child's small intestine. It is unlikely that the low count was due to immaturity of the warm population, for the case history states that the thirst was at the Lady Ridgeway Hospital for over a mouth, giving ample time for maturation of female worms to the stage of egg production. The most probable explanation is than the first laboratory reports were incorrect.

This case report serves as a true of remainder that foci of intestinal nemanode unaccounts and remain in parts of Sri Lanka where socio-economic confictions are poor and latrines absent in also emphasizes the fact that personnel in Sri Lankan hospital lateratures should be better trained to carry out the sample members to laboratory tests for stool examination for the sample personnel members ova.

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