A 54-year-old man with diabetes mellitus had a blood test and was found to have a blood eosinophilia (1,028/mm³). Liver-function tests were normal. A hepatic nodule was detected on screening of upper abdominal and renal sonography. Contrast-enhanced computed tomography (CT) scan (Figure 1) showed a small, oval, low-attenuating nodule in the right hepatic lobe. CT scans obtained 3, 6, and 10 months later (Figures 2–4) revealed that the nodule was migrating. During this 10-month time period, eosinophilia persisted (720–1,821/mm³). A CT scan obtained 15 months later (Figure 5) revealed the disappearance of the nodule, and the eosinophil count returned to normal (300/mm³). An enzyme-linked immunosorbent assay (ELISA) for *Toxocara canis* was strongly positive, and optical density was 2.53 (cut-off value = 0.69). He had several occasions of eating chops of uncooked cow’s liver at restaurants before the initial blood test.

As in dogs and animals, human infection of *T. canis* takes place in two ways—by ingestion of embryonated eggs or alternatively, by transfer of the arrested larvae in the tissues of a paratenic host to humans. According to reports, the prevalence rate of intestinal toxocariasis in dogs was 18.9%, and larva recovery rate from beef liver was 11.8%. In certain ethnic groups, some adults tend to eat uncooked chops of cow’s liver that contain arrested infective larvae. After swallowing, these arrested larvae are released in the intestine during the digestion process and then, they pass through the intestinal wall, get into the portal vein, reach the liver, and move slowly, exhibiting larva migrans.

Received October 7, 2009. Accepted for publication December 13, 2009.
HEPATIC VISCERAL LARVA MIGRANS

Disclaimer: The material has not and will not be offered elsewhere for possible publication. I do not have a commercial or other association that might pose a conflict of interest.

Author’s address: Jae Hoon Lim, 50 Ilwon-dong, Kangnam-ku, Seoul 135-710, Korea, E-mail: jhlim@skku.edu.

REFERENCES