

Intestinal intussusception in elephant

K. Matsuda, L. Kolodzieyski, C-W. Lim, M-S. Seol, B-M. Rim

Department of Pathology, College of Veterinary Medicine,
Chonbuk National University

Five years old Asian male elephant (*Elephas maximus*), transported from Malaysia, had showed slight inappetence and mild diarrhea from beginning of stay at the zoo, and died after three months clinical therapy. Necropsy of this elephant grossly demonstrated ileocecal intussusception as the cause of the death, coupled with purulent nephritis together and nephrolithiasis, mild liver degeneration, numerous subepiocardial and subendocardial hemorrhages. Bacteriological culture was conducted from renal pelvis revealing *Klebsiella pneumonia* infection. Histological findings included diffuse chronic interstitial nephritis with numerous amount of lymphocytes and giant cells. This is a unique combination of pathological findings consisting of intestinal intussusception and purulent pyelonephritis in elephant. This is the first description of intestinal intussusception together with severe nephritis in elephant