

Early Diagnosis of Meckel Diverticulum using Dynamic CT Scan

A case report

Ayumi FUJINO¹⁾, Seiko NAITO¹⁾, Yasuhito YAMASAKI¹⁾,
Yoshio MORIYASU¹⁾, Hidetaka AKIYOSHI¹⁾, Shigeru FUKAMACHI¹⁾,
Noboru KITAYAMA¹⁾, Atsushi OGAWA¹⁾, Kazumasa KAWAHARA²⁾,
Rikiya NAKASHIMA³⁾, Kunihiro HAMAMOTO⁴⁾ and Shinichi HIROSE⁵⁾

1) Department of Pediatrics, Chikushi Hospital, Fukuoka University

2) Department of Surgery, Chikushi Hospital, Fukuoka University

3) Department of Radiology, Chikushi Hospital, Fukuoka University

4) International University of Health and Welfare

5) Department of Pediatrics, Faculty of Medicine, Fukuoka University

Abstract : We have in report a case of Meckel diverticulum diagnosed using a dynamic CT scan technique. A four-year-old boy visited to our hospital because of bloody stool and unconsciousness. His laboratory data showed microcytic hypochromic anemia. His consciousness returned to normal after hydration treatment, but his anemia continued to worsen. Lower intestinal fiberoptic observations showed no bleeding point in the colon, but active bleeding was found to be coming out of Bauhin's valve. We found an abnormal pooling of contrast medium from the superior mesenteric artery on dynamic CT at 19 hours after admission. Abdominal open surgery was therefore performed and the Meckel diverticulum was resected. A dynamic CT scan is therefore considered to be a useful technique for the diagnosis of Meckel diverticulum with active bleeding.

Key words : Meckel diverticulum, Dynamic CT scan, Early diagnosis, Active bleeding, Bloody stool