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A case of small bowel diffuse large B-cell lymphoma causing ileocolic intussusception

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Intussusception is a medical condition in which a proximal part of the intestine folds into the distal intestine. Adult intussusception is a rare disease, which accounts for approximately 5% of intussusceptions. There are anatomical leading points such as tumor, diverticulum, polyp and stricture in 80 to 90% of adult intussusceptions, and it is known that 65% of colon intussusception and 30% of small bowel intussusception come from malignant tumors. Gastrointestinal tract is the most common extranodal site involved by non-Hodgkin lymphoma. The symptoms are mostly nonspecific, and rarely, lead to complications such as bleeding, perforation and intussusception. Especially, cases of primary gastrointestinal lymphomas causing intussusception have been very rarely reported. Here, we report a case of small bowel lymphoma which caused intussusception in adult. A 69-year-old woman with no medical history presented to the hospital with 1 week of abdominal pain and vomiting. Based on abdominal computed tomography scan (Figure A) showing an ileocolic intussusception by leading tumor, colonoscopy was done to identify the lesion and to reduce the intussusception. Colonoscopic finding (Figure B) showed that 3x3cm sized solid mass originated from terminal ileum causing prolapse of the distal ileum into the ascending colon. Intussusception was reduced by pushing the mass with a biopsy forcep, and the mass originated from 20cm above the ileocecal valve. Atypical lymphocytes were found from the biopsy, consistent with lymphoma. Three days later, the patient underwent small bowel resection, and the histopathological report (Figure D) confirmed diffuse large B-cell lymphoma with a few regional lymph nodes involvement. Later on, the patient received 6 cycles of adjuvant chemotherapy with rituximab, cyclophosphamide, doxorubicin, vincristine, and prednisone, and she is in complete remission state until now. We diagnosed and successfully treated the primary small bowel lymphoma causing ileocolic intussusception. Our case emphasizes the importance of high suspicion, early diagnosis, and appropriate surgical and medical treatment for intussusception caused by malignant lymphoma

