

An 11-month-old boy with hematochezia

History:

An 11-month-old boy has presented with bloody stool for 5 months. The parents report drippling of fresh blood after defecation. They deny history of mucous stool or diarrhea. His bowel movements are mostly associated with hard stools with a frequency of 3-4 times/ week. Neither history of prolapse of rectal polyp, bleeding tendency, abdominal pain, nor skin rash was noted. The patient has thrived well. There is no history of allergic diseases in the family.

Additional history:

He had been exclusively breast-fed until 4.5 months of age. After that, he has been fed with both breast milk and an infant formula. The solid food has been introduced when he was 6 months old.

Physical examination

A male infant, active Body weight 10 kg Vital signs: normal HEENT: not pale, no jaundice, no cervical lymphadenopathy Lungs: clear Heart: regular rhythm, no murmur Abdomen: soft, no hepatosplenomegaly, no mass Ext: no rash PR: anus: no fissure, normal sphincter tone

Basic investigations:

CBC : Hb 12.2 g/dl, Hct 37%, WBC 9400/cumm, N28, L60, Mono8, Eos3, Baso1, platelet 260,000/cumm Stool examination : soft, negative occult blood, WBC and RBC negative ESR : 18 mm/hr

Differential diagnosis :

- 1. Constipation with anal fissure
- 2. Cow's milk protein allergy
- 3. Colorectal polyp
- 4. Colonic lymphonodular hyperplasia
- 5. Parasitic infection
- 6. Anomaly of vessel: hemangioma
- 7. Meckel's diverticulum

Imaging study:

Barium enema: demonstrated diffuse small nodules through the colon with some center umbilibation. The terminal ileum was normal.(Figure 1) Impression: lymphoid nodular hyperplasia



