

A Case of the Week

Case 446

An eighty-three-year-old male presented in our hospital with abdominal pain that was persistent from this morning. He previously underwent stoma-forming procedure for rectal cancer. He visited to a local hospital where surgical service was not conducted. Thereafter, he came to our hospital. He took non-enhanced CT (Fig. 1, 2) followed by contrast-enhanced CT a few hours later for further investigation (Fig. 3, 4).

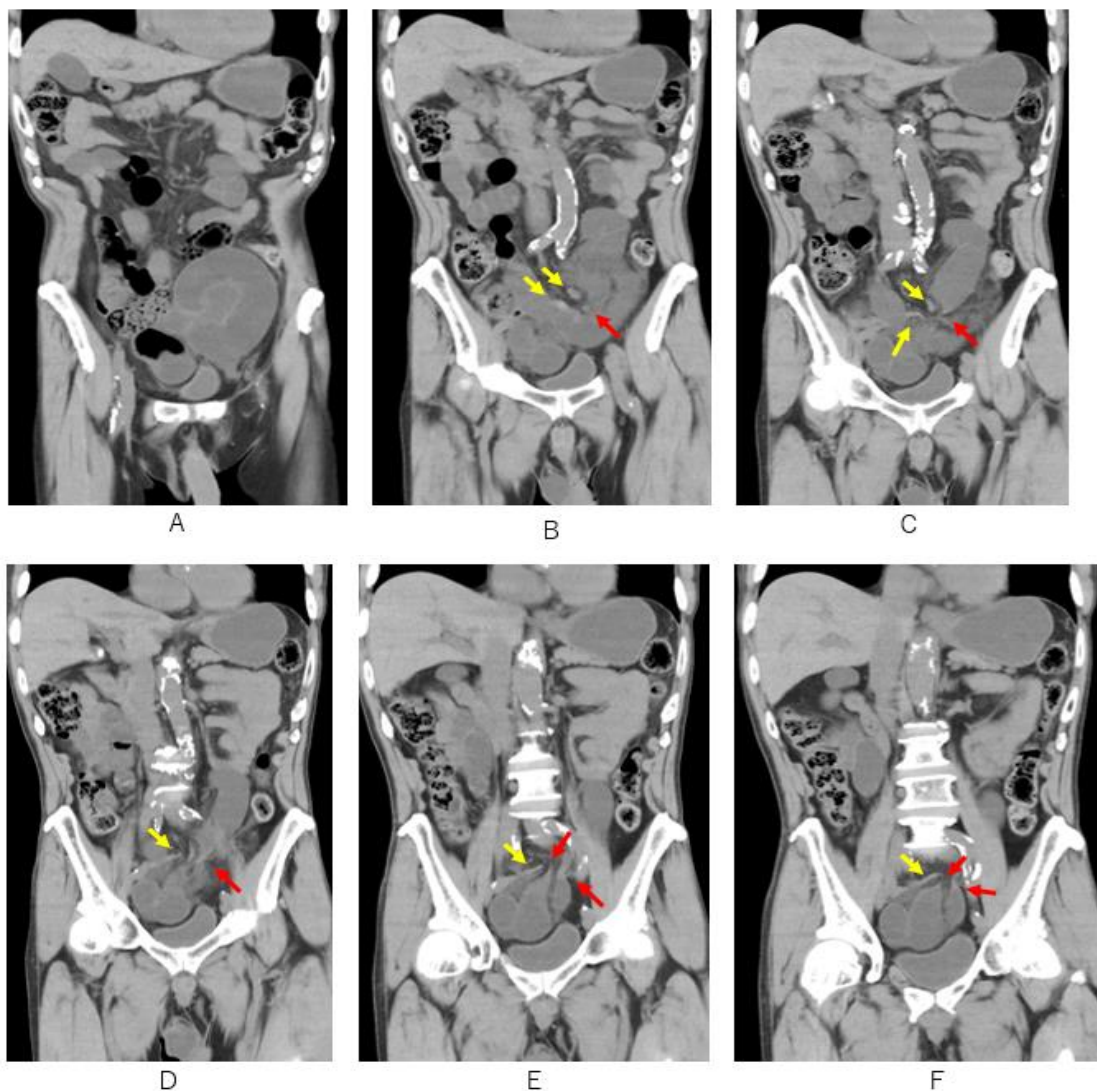
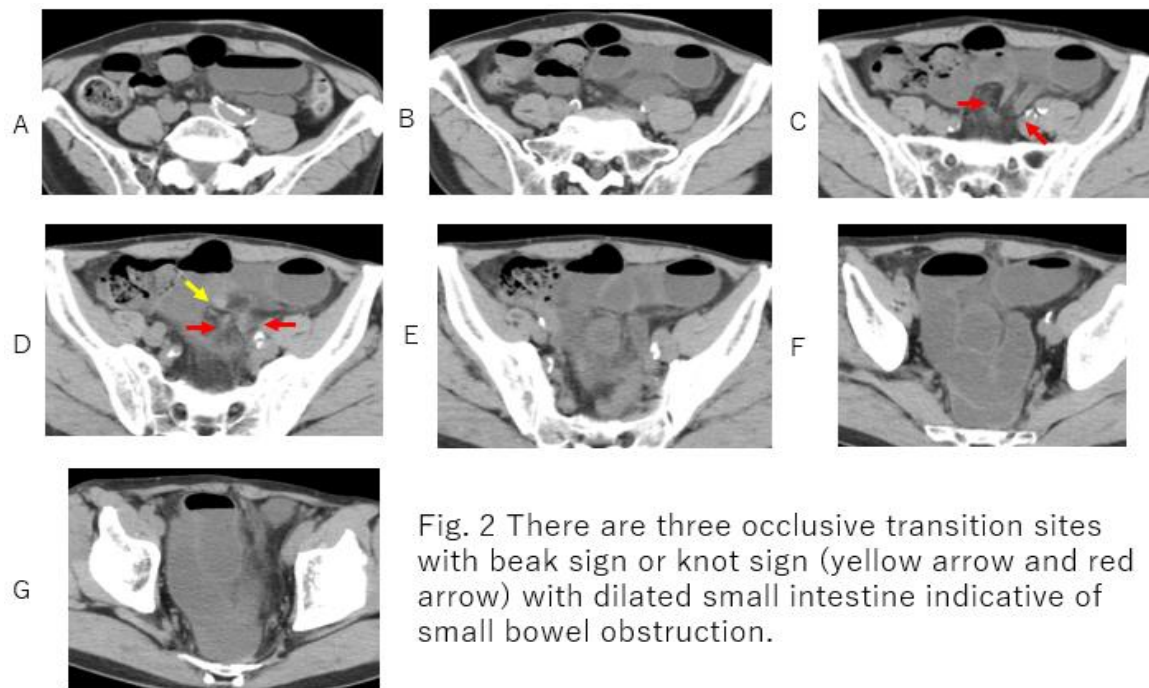
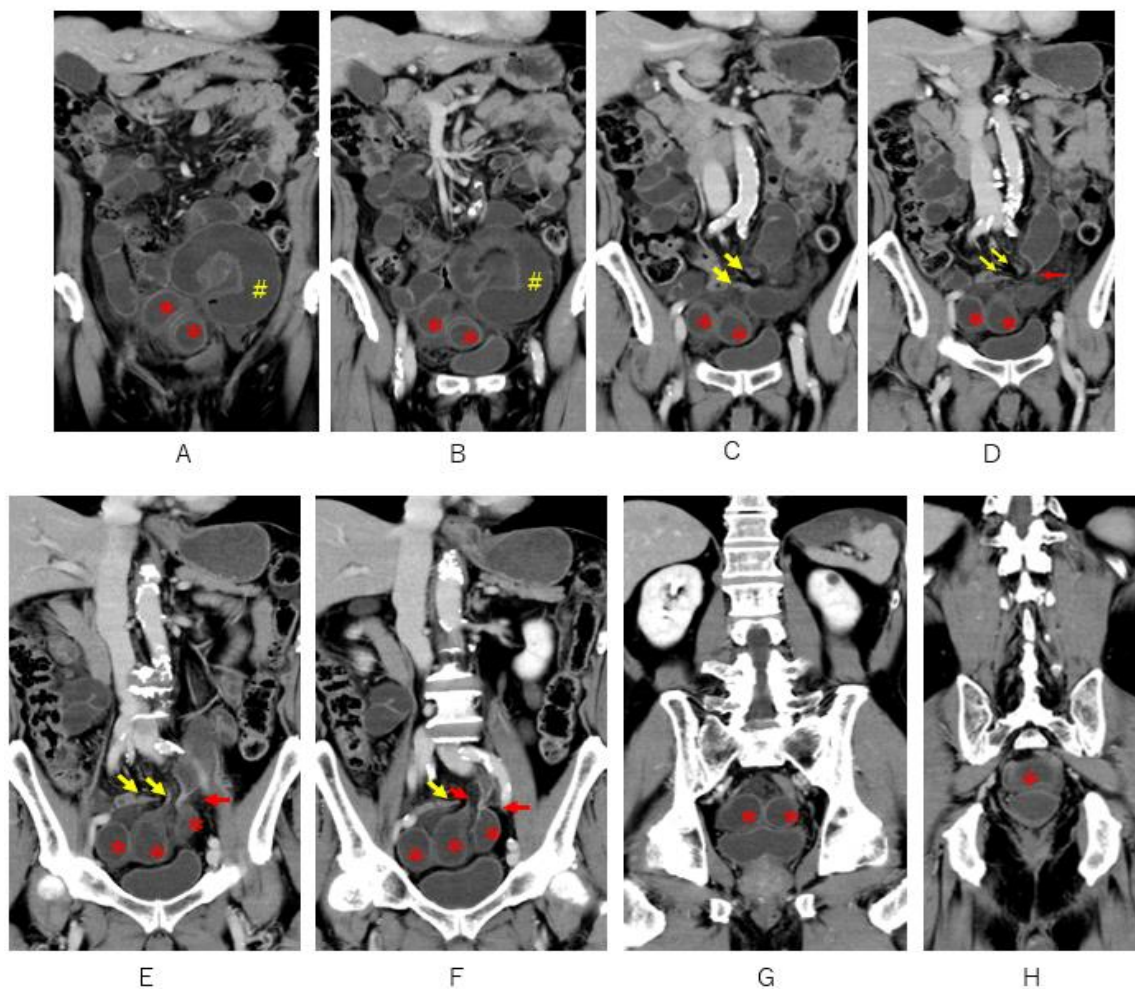


Fig.1 One closed loop is depicted (A) and its two transition occlusive sites are demonstrated (yellow arrows) (B-E). Further another knot (beak) is depicted (red arrow)(B-F). Total three occlusive sites are demonstrated on coronal CT.



Three — Beak sign = Knot sign



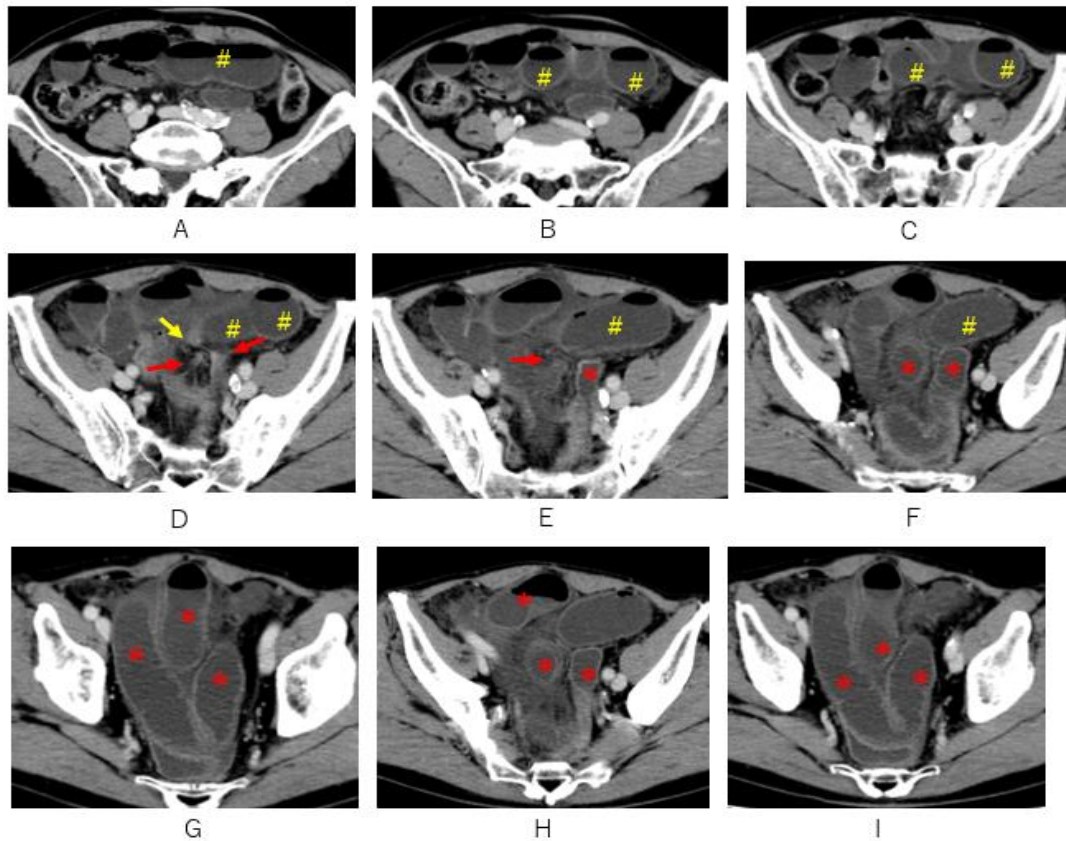


Fig.4 One closed loop with two knot sign (yellow arrow and yellow #) and another closed loop with two beak sign (red arrow and red *) are depicted on coronal contrast-enhanced CT (A-I). Three occlusive transition sites are demonstrated.

What is the imaging diagnosis?

1. Infectious enteritis
2. Adhesive ileus
3. Strangulated ileus
4. Paralytic ileus

answer

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