

Publication Summary

Extensive small-bowel Crohn's disease detected by newly introduced 360° panoramic viewing capsule endoscopy system

Tontini GE, et al. New VCE system identifies Crohn's disease... *Endoscopy* 2014; 46:E353-

Objective

To evaluate CapsoCam® SV-1 for the diagnosis of Crohn's disease in a single, suspected patient. This was the first published data for CapsoCam on this endpoint.

Study Design

This was a case study that included a 51-year-old female patient with suspected Crohn's disease. Her symptoms included 2 years of chronic diarrhea without blood present in her stool. Previous upper and lower endoscopies with biopsies and an abdominal cross-sectional imaging did not reveal any lesions.

Findings

Ninety-seven (97) erosions and 27 ulcers were observed from the distal duodenum to the terminal ileum. The authors noted that the 360° panoramic view, together with a large rate of recorded frames (2-33 frames per finding), demonstrated a clear view of each lesion. In many cases, multiple cameras captured images of the same pathology.

- Retrieval time = 52 hours
- Recording time = 14 hours
- GTT = 57 min
- SBTT = 202 min

Study Limitations

No limitations were cited.

Conclusions

Based on the findings, a diagnosis of extensive small-bowel Crohn's disease was made using CapsoCam SV-1. With an appropriate treatment strategy, the patient's condition improved.