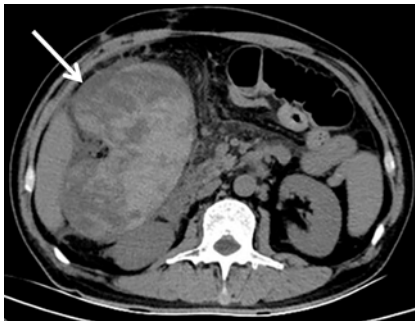


Endoscopic treatment for a hematoma-mediated colon obstruction caused by acupuncture: A rare case report

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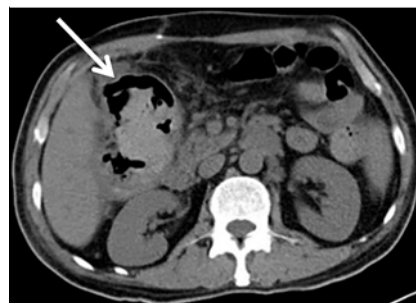
► **Fig. 1** A preoperative abdominal computed tomography (CT) indicating complete colonic obstruction with high-density contents consistent with bleeding.

A 54-year-old man experienced abdominal pain, nausea, and vomiting for 3 days after abdominal acupuncture 15 days before. The lab results were unremarkable. Upon computed tomography (CT), a high-density intraluminal mass consistent with hemorrhage was revealed to completely obstruct the colon (► **Fig. 1**). Colonoscopy demonstrated a complete lumen obstruction caused by an extensive purple hematoma in the transverse colon.

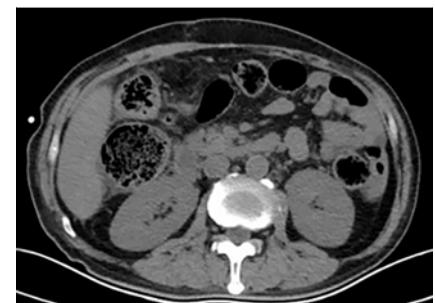
The treatment plan prioritized endoscopic treatment of an intramural hematoma over surgical intervention. The top of the hematoma was carefully punctured with an electroacupuncture knife, followed by an incision. A large amount of liquefied, pale-yellow substance was observed emanating from the hematoma upon puncture. When the endoscope was inserted into the incision, the intestinal tissue was found to have a honeycomb-like adhesion. This procedure was repeated at multiple points on the hematoma. The hematoma was then accessed through a larger incision; an attempt was made to release the adhering tissue. A portion of the tissue was removed using electrocautery, and the hematoma's interior was flushed to ensure that there were no bleeding perforations in the



► **Video 1** Endoscopic incision and drainage for the treatment of obstruction caused by colonic hematomas.



► **Fig. 2** A CT taken 7 days post-operation, revealing partial improvement in the colonic obstruction and decreased density in the colon proper.



► **Fig. 3** A CT scan taken 53 days after endoscopic treatment, showing the colonic stricture and entire hematoma almost entirely resolved.

bowel wall. The hematoma was successfully decompressed using this procedure (► **Video 1**).

The patient's symptoms improved following conservative treatment. A CT taken 7 days later revealed partial improvement in the colonic obstruction and decreased density in the colon proper (► **Fig. 2**). A CT scan 53 days later indicated that the colonic stricture and entire hematoma had completely resolved (► **Fig. 3**).

Intramural hematomas are a rare condition caused by various etiologies [1]. We demonstrated the efficacy of endoscopic incision and drainage for treating an obstruction caused by colonic hematomas. There have been previous reports of this method being used to treat esophageal or duodenal hematomas [2–4]. However, the procedure's complications need to be further assessed in prospective controlled trials before it can be widely recommended.

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Competing interests

The authors declare that they have no conflict of interest.

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CORRECTION

Correction: Endoscopic treatment for a hematoma-mediated colon obstruction caused by acupuncture: A rare case report

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In the above-mentioned article, the name of Guoxin Wang has been corrected. This was corrected in the online version on May 15, 2023.