

## Chilaiditi Syndrome

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**Picture 1.**



**Picture 2.**



**Picture 3.**

A 46-year-old man presented with a 2-day history of abdominal pain, nausea and vomiting. The abdomen was diffusely tender, and the bowel sounds were sluggish. Chest/abdominal radiographs (Picture 1, 2) and abdominal/pelvic computed tomography (CT) were performed (Picture 3). Chilaiditi syndrome is the interposition of the right colon between the liver and right hemi-diaphragm; the bowels containing air can be seen interposed between the liver and

diaphragm on X-ray, helping to distinguish it from pneumoperitoneum. The presence of haustra in the hepatodiaphragmatic space aids in the distinction between intraluminal gas and free air. Abdominal/pelvic CT showing the bowel between the liver and diaphragm confirms the diagnosis. Chilaiditi syndrome was first described in 1910 by Chilaiditi, a Greek radiologist (1). The incidence of this syndrome in the general population ranges from 0.025% to 0.28% (2). Unless the presence of volvulus is suspected, patients with Chilaiditi syndrome often respond to conservative treatments, such as nasogastric decompression.

**The authors state that they have no Conflict of Interest (COI).**

### References

1. Chilaiditi D. On the question of hepatoptosis ptosis and generally in the exclusion of three cases of temporary partial liver displacement. *Fortschr Geb Röntgenstr Nuklearmed* **11**: 173-208, 1910.
2. Alva S, Shetty-Alva N, Longo WE. Image of the month. Chilaiditi

sign or syndrome. Arch Surg **143**: 93-94, 2008.

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