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- episodes.
- (UV).
- in the previous literature.

- bleeding from his umbilical hernia site.

- displays laboratory studies.
- with fat stranding (Figure 1).
- fluids, and vasopressors.

Omental varices causing umbilical bleeding: A rare presentation in cirrhotic patients with portal hypertension

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INTRODUCTION

 \succ Approximately 90% of portal hypertension cases develop in the setting of cirrhosis, and variceal bleeding is the most common fatal complication.

 \succ Ectopic varices account for less than 5% of all varix-related bleeding

Umbilical bleeding is a well-recognized but unusual complication of portal hypertension, most of the time caused by bleeding from umbilical varices

Rupture of omental varices (OV) leading to spontaneous umbilical bleeding and hemorrhagic shock is uncommon and has not been frequently reported

CASE PRESENTATION

> A 54-year-old male with a history of alcoholic liver cirrhosis, MELD score of 21, Child-Pugh Class B, who was found lying in a pool of blood in his bedroom, was transported to the hospital with profuse spontaneous

> He had a history of similar, but mild bleeding episodes occurring intermittently over one week, with no associated trauma.

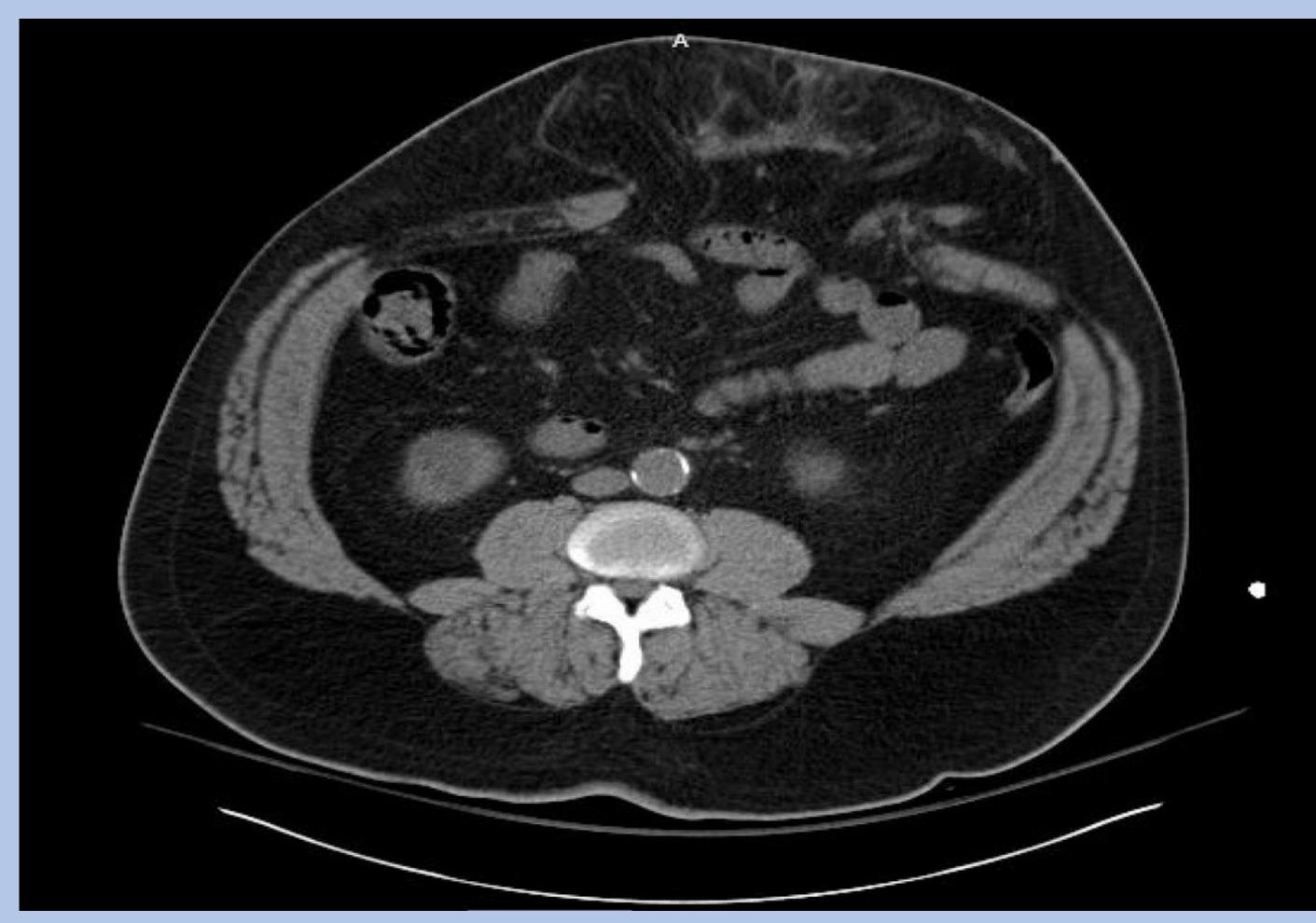
 \succ On admission, the patient was hypotensive, tachycardic, and had a protuberant abdomen with a large ventral hernia, covered by a dressing.

 \succ Removal of the dressing revealed active venous hemorrhage. Table 1

Abdomen CT scan: anterior abdominal wall hernias containing herniated fat

> The patient's hemorrhagic shock was treated with blood transfusions, IV

Hgb Hct MCV Platelets INR Sodium



TREATMENT AND OUTCOMES

 \succ Intraoperatively, he was treated with periumbilical excision and ligation of the OV contained within the hernia.

 \succ The omentum became adhered to the skin of the umbilicus, allowing venous communications to develop between the varices and cutaneous veins of the umbilicus.

 \succ The section was dissected, and the bleeding was controlled.

LABS				
g/dL	6.9	Creatinine	g/dL	1.6
%	19.9	Ammonia	µg/dL	160
fL	95.3	AST	units/L	43
10 ³ mcL	88	ALT	units/L	63
	1.36	Total bilirubin	mg/dL	0.7
mEq/L	129	Albumin	g/dL	4.1
Table 1				

Figure 1

Figure 1: CT Abdomen and Pelvis without contrast in cross sectional view showing bilateral anterior abdominal wall hernias containing herniated fat with some fat stranding, no herniated bowel or fluid collection

In our case, the presence of anterior abdominal hernias containing herniated fat with some fat stranding on the abdominal CT was suspicious for OV, which was confirmed to be the source of bleeding intraoperatively.

> Previous reports have suggested a portosystemic abdominopelvic CT scan preoperatively to define the portal vascular anatomy, identify associated varices, and sites of bleeding before the procedure.

management in these cases requires a multidisciplinary > Clinical approach, that includes control of bleeding with direct pressure, blood product transfusion, and the use of vasoactive drugs to reduce the splanchnic blood flow. Moreover, surgical intervention and ligation of bleeding varices can provide definitive diagnosis and treatment.

 Umbilical bleeding may be from umbilical varices or omental varices, especially when umbilical hernias are present. Portal venous CT scans of the abdomen can be helpful to differentiate the site of bleeding.

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DISCUSSION

 \succ The most reported cause of spontaneous umbilical bleeding is UV.

CONCLUSIONS

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