Intestinal pneumatosis and gas in the portomesenteric vein are most often associated with intestinal infarction, necrotic small bowel, or gastric volvulus [1,2]. Surgical treatment should be considered in symptomatic patients [3].

We report here the case of a 21-year-old man with Niemann–Pick disease who presented with acute abdominal pain. Due to neuromuscular malfunctions, he had received a percutaneous endoscopic gastrostomy (PEG) with a jejunal extension 2 years previously, as well as a permanent tracheostoma. Initial laboratory findings showed an elevated lipase level, and ultrasonography revealed edematous pancreatitis. Liver enzymes, inflammatory parameters, and serum lactate were only slightly elevated.

When the abdominal symptoms became progressive, a second ultrasound examination showed a nearly completely extinguished liver signal, and ultrasonography revealed edematous pancreatitis. Liver enzymes, inflammatory parameters, and serum lactate were only slightly elevated.

When the abdominal symptoms became progressive, a second ultrasound examination showed a nearly completely extinguished liver signal, and contrast-enhanced computed tomography (CT) revealed distinct pneumatosis within the jejunal wall and fulminant gas embolism in the portal vein system (Figure 1). An exploratory laparotomy was carried out due to suspected intestinal ischemia, but no signs of mesenteric ischemia or of a necrotic process were found. Since a small amount of blood emerging from the feeding tube was noted intraoperatively, an upper endoscopy was carried out, which showed ulcerative inflammation in the proximal jejunum. The end of the jejunal feeding tube was not visible. Twelve hours after the endoscopic intervention, a control CT showed that most of the intrahepatic gas accumulation after extraction of the defective jejunal feeding tube showed distinct regression of the intrahepatic pneumatosis (not shown).

With the absence of intestinal ischemia and the marked regression of the portal

References

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