A 67-year-old woman was admitted to the hospital for the first time due to obstructive jaundice. Cholecystectomy and choledochotomy with T-drainage were carried out, and 6 days after the operation, an exploratory laparotomy and retroperitoneal necrosectomy were done due to acute hemorrhagic necrotic pancreatitis. One month later, endoscopic ultrasonography (EUS) and multislice computed tomography demonstrated an encapsulated left subphrenic abscess, 10 cm in diameter (Figure 1, 2). It was decided to carry out EUS-guided drainage, as the abscess was directly adjacent to the stomach and it was considered that EUS would provide a much shorter and safer approach. The procedure was conducted with the Giovannini drainage set and with linear-array ultrasound guidance (Figure 3). After the drainage, the patient’s fever ceased, the C-reactive protein level dropped significantly, and the white blood count showed normal values. The next day, transabdominal ultrasonography demonstrated a residual crescent-shaped abscess cavity measuring 44 x 59 mm. Six days after the drainage, a check-up endoscopy showed that the stent was patent (Figure 4). Unfortunately, the patient died of multiple organ failure 8 days after the drainage procedure.

EUS-guided pseudocystogastrostomy has become almost a routine procedure at some centers [1–3]. Seewald et al. have described successful EUS-guided drainage of left-sided subphrenic and hepatic abscesses [3,4]. EUS should be regarded as a first-choice method for draining left-sided subphrenic abscesses, especially in critically ill patients. The usual complication of abscess drainage is blockage of the stent, and many authors have therefore suggested that several stents should be placed.

In the present case, the patient’s clinical status improved dramatically after the initial single-stent drainage. The intention was to place a nasocystic drain as a second step, to ensure constant irrigation with a saline infusion, which we consider to be the best option for improving stent patency. Unfortunately, the patient’s clinical condition suddenly deteriorated.
References

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