

## Endoscopic ultrasonography guided pancreatic pseudocysts drainage by Self-made stent

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Received: July 5, 2000

Revised: July 8, 2000

Accepted: July 10, 2000

Published online: September 15, 2000

### Abstract

**AIM:** Endoscopic ultrasonography (EUS) guided pancreatic pseudocysts drainage is an ideal therapeutic procedure. We perform it in just one step by using the self made drainage stent.

**METHODS:** We made an aperture at the tip of the needle outer sheath, and tied the outer sheath with the self-made stent by suture. EUS-guided pancreatic pseudocysts drainage was performed in five patients. No patient had visible endosmotic bulge on the gastrointestinal wall. Mean pseudocyst diameter was

4.5 cm (pancreatic head 1, body 2, tail 4). We determined the optimal site for puncture and advanced the needle and stent into cyst. Taking out the needle made the stent separated from the sheath.

**RESULTS:** No hemorrhage happened among these patients. One patient suffering from fever up to 40 °C recovered within two days after operation. All the cysts diminished inside after 7 d and resolved completely after 6.8 wk in average. Cyst resolution was accompanied by symptomatic improvement in all patients. During a follow-up of 6 mo no cyst recurred.

**CONCLUSION:** EUS guided drainage of pseudocysts is a safe and effective procedure, which performs the just in one process and diminishes the patients' distress.

**Key words:** Endoscopy, digestive system; Pancreatic pseudocyst/diagnosis; Tomography, X-ray computed; Pancreatic pseudocyst/therapy; Stents

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Sun SY, Wang MC, Sun SY, Qiao L, Wang XY. Endoscopic ultrasonography guided pancreatic pseudocysts drainage by Self-made stent. *World J Gastroenterology* 2000; 6(Suppl 3): 110 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v3/iSuppl3/110.htm> DOI: <http://dx.doi.org/10.3748/wjg.v3.iSuppl3.110>

E- Editor: Hu S



Published by **Baishideng Publishing Group Inc**

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