

POSTER ABSTRACTS

Rare Cause of Cystic Metastatic Disease to Pancreas

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Metastatic tumors to pancreas is very rare and the cancer types frequently metastasizing to pancreas are renal cell carcinomas, ovarian carcinomas, colon adenocarcinomas, sarcomas and the others. Serous ovarian cancer is the most common type of ovarian primary malignant tumors and invasive serous cancers of ovary usually seen between 5th and 6th decades. Well differentiated serous carcinomas are mostly multiloculated and cystic form. Pancreatic metastasis from ovarian originated tumors have been reported different frequencies changing from 2% to 10% in the literature.

We describe a 71-year-old female patient with pancreatic mass. Her abdominal CT reveal a necrotising solid mass of 65x35 milimeters, localised in the head of pancreas adjacent to stomach and there was another mass of 125 milimeters in the left ovary. Her routine blood analysis was non-remarkable. Endoscopic Ultrasound examination revealed a cystic mass of 80x43 milimeters located in the neck of pancreas along th gastric border (figure 1) and rest of pancreas was normal. EUS-FNA of cyst fluid analysis showed CEA level 4.73 ng/mL and amylase level 1011U/L. Cytologic examination of fluid was CK7 and CK19 diffuse and strong positive thus the pathologic diagnosis with clinical and cytological evaluation was made as a serous carcinom metastasis primary from ovary (figure 2). Clinically she was scheduled for chemotherapy and on her follow up of seven months she recovered well.

EUS examination of cystic pancreatic mass is essential for differential diagnosis. This case represents a rare cause of cystic metastasis to pancreas. Pancreatic metastasis from a gynecologic primary is uncommon. However, the incidence in advanced ovarian tumors may be higher than had been previously considered. In fact one autopsy study showed pancreatic metastases in 21% of patients with ovarian cancer. As a result, in the differential diagnosis of pancreatic cysts especially in patients with synchronous ovarian mass had better to keep in mind metastasis from ovarian primary.

Keywords: Cyst, EUS, Metastasis of ovary, Pancreas



Figure 1. A cystic mass of 80x43 milimeters located in the neck of pancreas with mural nodules and debris

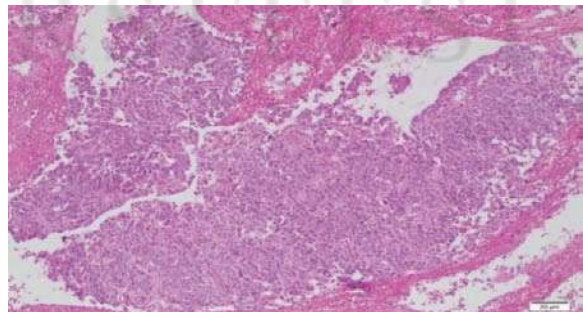


Figure 2. Tumor cells with papillary configuration, PAP stain, smear.