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An Overlooked Risk for Needle Tract Seeding Following Endoscopic Ultrasound (EUS)-Guided Minimally Invasive Tissue Acquisition

Needle Tract Seeding Following EUS-FNA/FNB

ABSTRACT

Endoscopic ultrasound-guided minimally invasive tissue acquisition can be performed by two approaches as follows: endoscopic ultrasound-guided fine-needle aspiration (EUS-FNA) and biopsy (EUS-FNB). These have been evolved into leading approaches and widely used for the histological diagnosis of tumors in the gastrointestinal tract (GI) and adjacent organs.

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Comparative genomic hybridisation (CGH) is a new molecular cytogenetic method that can detect and map relative DNA sequence copy number between genomes, and has advantages over karyotyping (high quality metaphase chromosomes from the **tissue** being studied are not required, and microdeletions can be detected) and molecular genetic studies of DNA ...

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EUS Endoscopic ultrasound AIH Autoimmune hepatitis FAP ... Motility of the biliary **tract** Normal flow of bile occurs **following** contraction of the gallbladder and relaxation of the sphincter of Oddi. Control of these motor events is complex and involves both nerves and hormones. ... Because **seeding** of neoplastic cells along the **needle** track has ...

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Cholangiocarcinoma is the most common primary tumor of the biliary **tract** although it accounts for only 2 % of all human malignancies. We herein review hilar cholangiocarcinoma including its **risk** ...

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However, patients who undergo PBD, mainly by percutaneous transhepatic biliary drainage (PTBD) and **endoscopic** nasobiliary drainage (ENBD), also have an increased **risk** for tumor **seeding**, extended ...

Radical resection of invasive endometriosis with bowel or ...

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We are presenting a patient diagnosed with deep infiltrating endometriosis by transvaginal **ultrasound** and treated with **minimally invasive** radical surgery including segmental resection of the bowel.



Overlooked risk for needle tract seeding following endoscopic ultra



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Endoscopic ultrasound-guided fine-needle aspiration (EUS-FNA), a well-established **minimally invasive** gastrointestinal procedure, has been used to diagnose and stage cancers of the pancreas.

[Needle tract seeding recurrence of pancreatic cancer in ...](#)

<https://bmcgastroenterol.biomedcentral.com/articles/10.1186/s12876-020-1159-x> ▼

Jan 15, 2020 · **Endoscopic ultrasound-guided fine needle** aspiration (EUS-FNA) is a **minimally invasive** sampling technique. Because of its high accuracy [] and low complication rate [], EUS-FNA is widely used as a useful tool to diagnose and determine the treatment strategies for pancreatic tumors. However, clinical concerns about peritoneal dissemination or **needle tract seeding** associated ...

Author: Nami Sato, Shigetsugu Takano, Hidey... **Publish Year:** 2020

[Diagnostic endoscopic ultrasonography: Assessment of ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3442204>

Sep 14, 2012 · **Needle-tract seeding** is a rare complication **following** FNB of intra-abdominal tumors. Based on large retrospective surveys, its frequency is estimated at 0.003% to 0.009%[133]. However, one prospective comparative study reported the incidence of **needle-tract** implantation of HCC and pancreatic carcinoma after **ultrasound-guided** percutaneous ...

Cited by: 104 **Author:** Christian Jenssen, Maria Victoria Alvarez-...

Publish Year: 2012

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en the perceived potential for tumor **seeding** along the **needle tract**. However, the evidence that the latter is a significant **risk** is weak at best. To the authors' knowledge, among cases of patients with extremity sarcoma who have undergone core **needle** biopsy, only a few cases of **needle tract seeding** have been reported to date.

[Endoscopic ultrasound-guided fine-needle aspiration for ...](#)