

LIVER

Primary lesions FS

Purpose is to

Provide a diagnosis for histologic confirmation

Assess surgical margins

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## LIVER FS forMetastatic lesions - Liver metastasis is a contraindication of surgical resection of pancreatic, gastric and esophageal tumors - For colorectal and gynecological malignancies; FS on metastatic tumor deposits are used to guide post operative therapy - If a mass lesion is seen on surface or on US by the surgeon and initial sections are not diagnostic, cut deeper sections

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LIVER

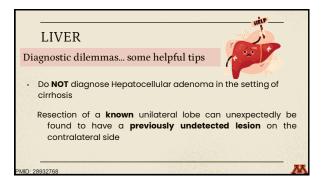
Diagnostic dilemmas... some helpful tips

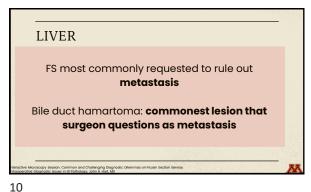
Is the liver cirrhotic?...don't mistake FNH for cirrhosis

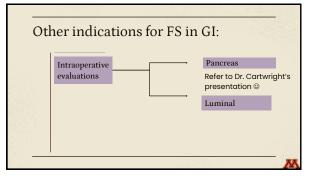
Noncirrhotic liver: Most likely metastasis or benign

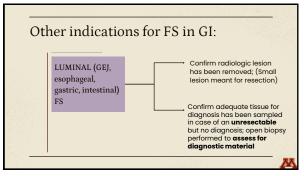
Cirrhotic livers: hepatocellular lesion likely malignant

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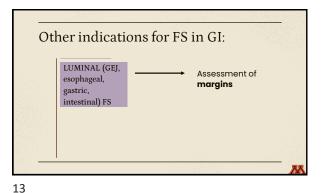


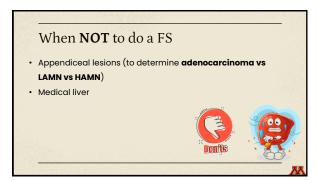




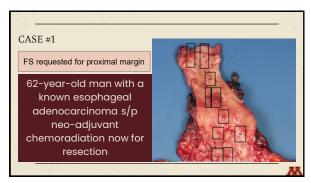


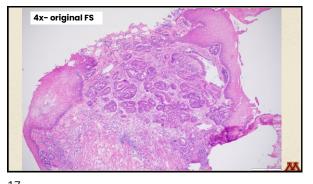
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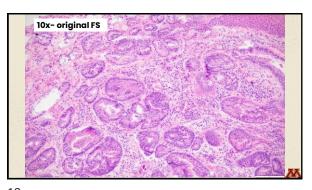


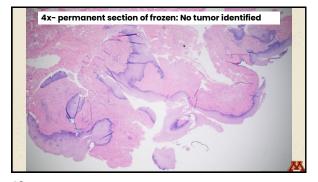


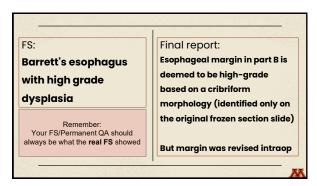




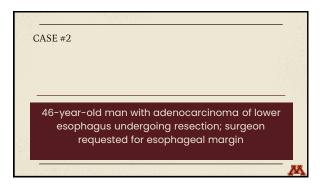


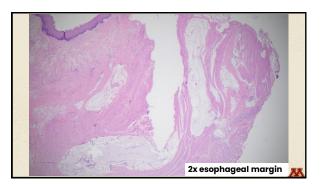


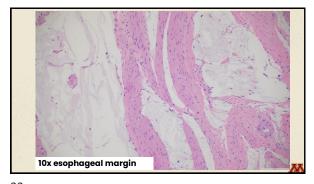


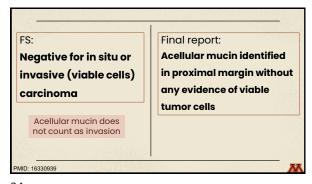


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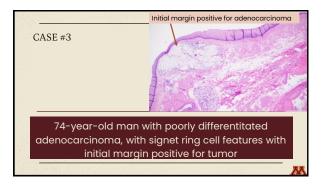




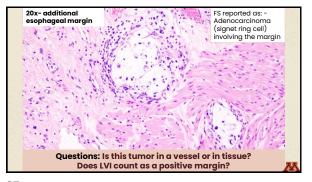


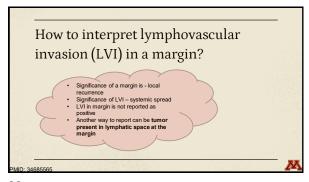


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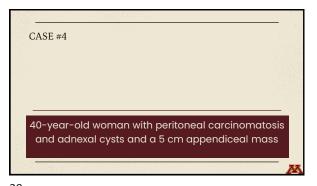


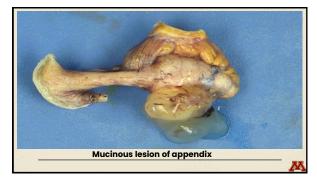


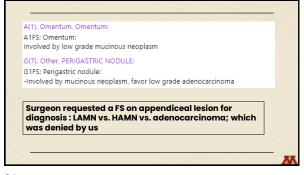


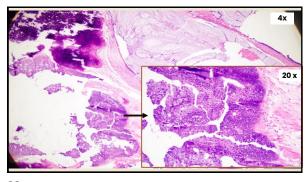


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Final report:

High-grade appendiceal mucinous neoplasm (HAMN),
arising in the distal half of the appendix

- Widespread involvement to omentum, falciform
ligament, multiple peritoneal abdominal wall surfaces,
uterus, vesicouterine peritoneum, bilateral ovaries, and
bilateral fallopian tubes

Why we did not do FS:

Prognosis of appendiceal adenocarcinoma and LAMN/HAMN are different

Important criteria is invasion or not

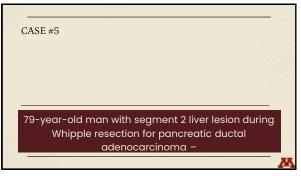
Frozen distortion WILL alter this architecture

Presence of omental lesions do not help

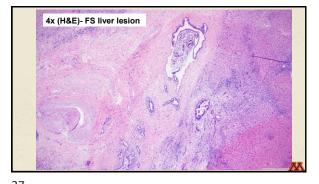
Important to have well-fixed and intact appendix

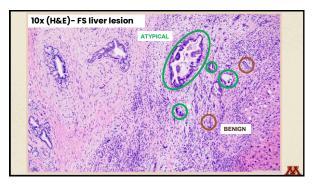
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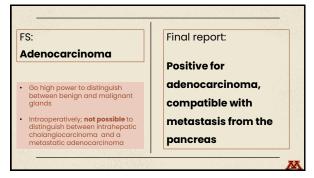


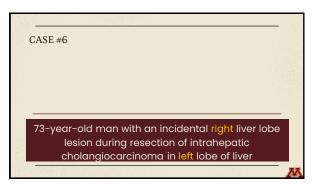


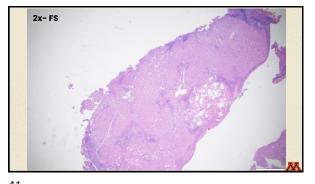
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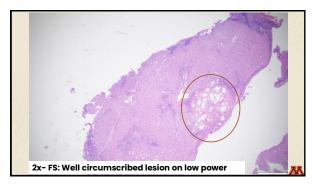


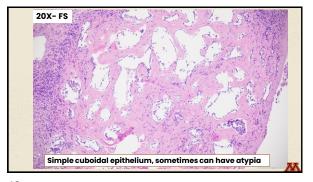


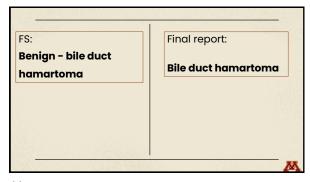




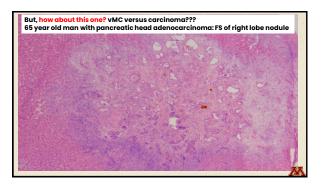


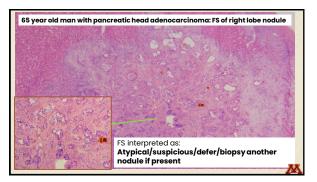


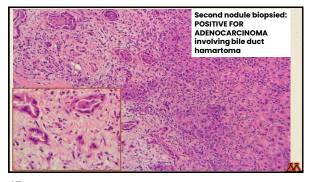


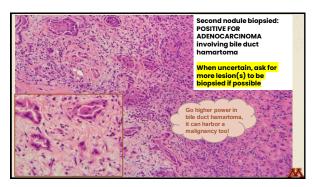


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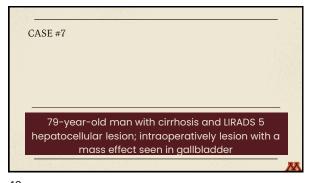


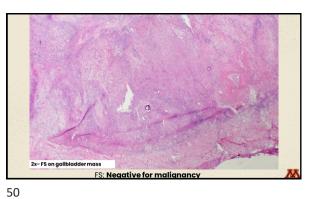


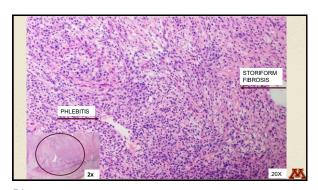


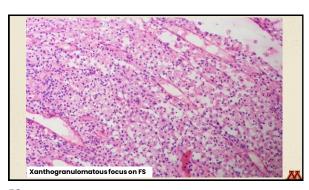


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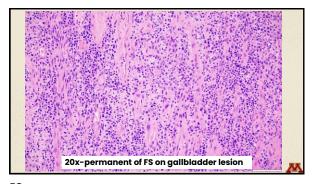


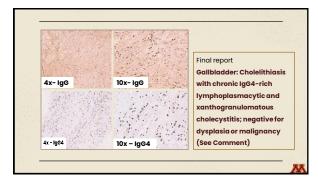






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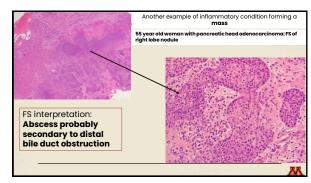
Beware of inflammatory/sclerosing lesions that mimic mass lesions, especially IgG4

A few other examples include:

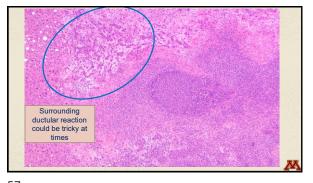
- Ascending cholangitis due to obstruction in patients with carcinoma of head of pancreas

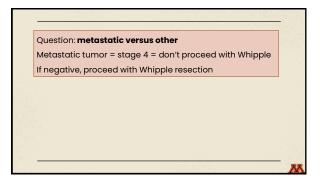
- Liver abscess with fibroinflammatory capsule

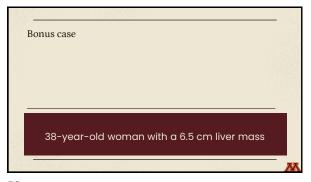
- Amyloidoma

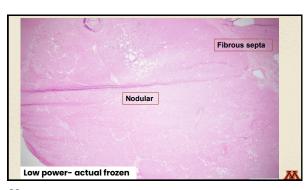


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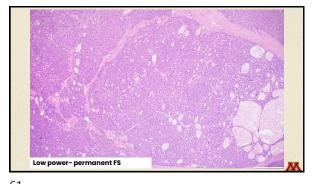


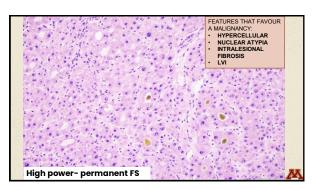


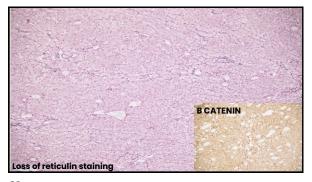


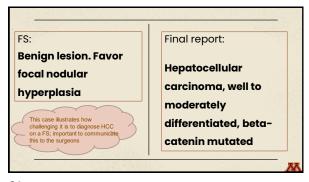


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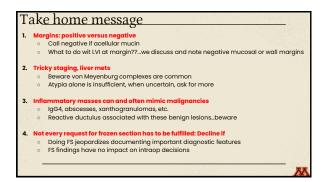


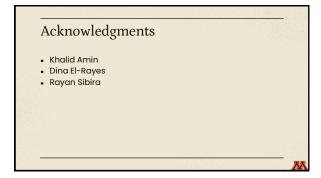




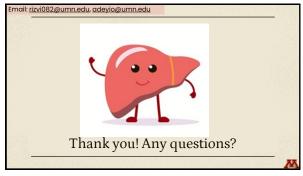


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