Clinical summary

- Female 79 year-old presents with cholangiocarcinoma for staging.
PET/CT scan findings are consistent with intra and extrahepatic cholangiocarcinoma with metastases to coeliac, periportal, porta hepatis and left para-aortic lymph nodes. A colonic metabolic focus is suspicious for an incidental colonic neoplasm, either an adenoma or carcinoma.
Clinical summary

- Male 71 year-old presents with cholangiocarcinoma for staging.
The PET/CT scan findings are consistent metabolically active multifocal intrahepatic cholangiocarcinoma with nodal metastases in the lesser sac.
Clinical summary

- Male 74 year-old presents with gallbladder carcinoma for staging.
PET/CT scan findings of a solitary FDG uptake in the gallbladder is consistent with the known gallbladder carcinoma without locoregional or distant metastasis. Bilateral mild FDG activity in the anterior chest wall is consistent with physiologic nipple uptake.
Clinical summary

- Male 77 year-old with gallbladder carcinoma.
- Presents for staging of indeterminate liver lesion seen on CT.
FDG uptake in the liver corresponding to the hypodense lesion on CT is consistent with local infiltration.
Teaching points

- FDG uptake may discriminate benign from malignant strictures of the biliary tract, thus is potentially appropriate for diagnostic purposes.

- FDG PET is more accurate than CT scanning for defining the N and M stages of the disease.

- FDG PET/CT may be useful for primary staging of gallbladder carcinoma for detection of nodal and distant metastatic disease.


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