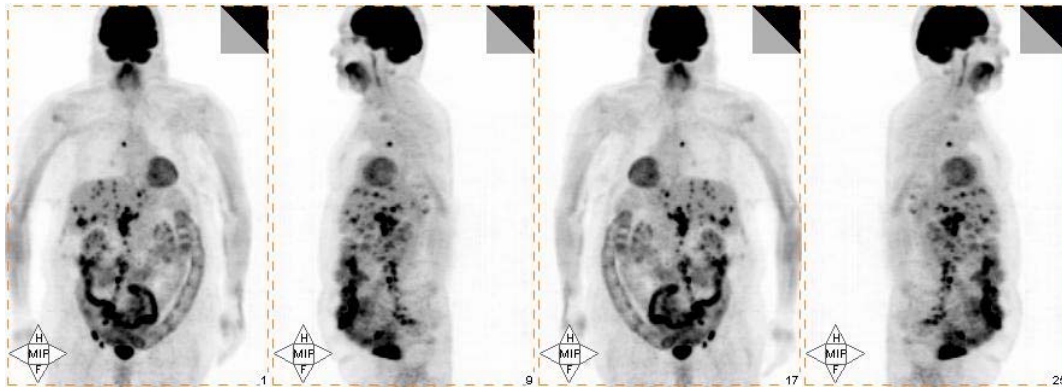


PETIMAGING

INTEGRATED PET/CT SCANNING CASE STUDY N^o 57

Colorectal Cancer: Restaging after Chemotherapy

A 67 year old female is diagnosed with colon carcinoma at which time she undergoes surgical resection and chemotherapy. Upon completion of chemotherapy, follow-up CT scans of the abdomen and pelvis reveal 3 suspicious liver lesions and a suspicious lymph node in the porta hepatis. The patient complains of abdominal pain.



PET/CT ordered to restage the cancer identifies 20-30 hypermetabolic foci scattered throughout both lobes of the liver as well as numerous additional hypermetabolic foci within the abdomen localizing to numerous nodal stations including the porta hepatis and portocaval regions. As well, extensive areas of hypermetabolic activity are seen in the retroperitoneum localizing to the aortocaval, retrocaval, mid left periaortic and paracaval regions. Uptake is also identified in the right common and external iliac chains. Retrocrural and paraspinal sites of disease are also noted in the lower chest as well as a discrete hypermetabolic focus in the lower right paratracheal region.

