Clinical summary

- Female 20 year-old with recently diagnosed moderately differentiated adenocarcinoma of the colon.
- Conventional staging revealed peritoneal disease on CT.
- PET/CT was performed at pre-treatment and post-treatment to assess for therapy response.
PET/CT findings

Baseline PET

Post-treatment PET

PET/CT scan shows progressive metabolic disease post-treatment, with increasing metabolic disease in the liver and intra-abdominal.
Clinical summary

• Female 75 year-old with metastatic colorectal carcinoma on second line chemotherapy.

• For baseline and restaging PET/CT scan post-treatment to assess for therapy response.
PET/CT scan is consistent with a partial metabolic response to treatment with resolution of thoracic metastases but residual disease in the primary caecal carcinoma, hepatic, intra-abdominal and bone metastases. Traumatic muscular uptake in the left upper arm muscles is noted.
Teaching point

• FDG PET/CT provides a sensitive assessment of the response to treatment, which may lead to a change from ineffective therapy.