Small cell lung carcinoma (SCLC)
Limited disease

FDG avid primary lung lesion with hypermetabolic ipsilateral hilar lymph node, without distant metastasis.
Limited disease

FDG PET shows localised hypermetabolic disease in the right lung with no abnormal uptake elsewhere on the whole body scan.
FDG PET shows hypermetabolic metastatic small cell lung carcinoma in the primary right lung carcinoma, locoregional nodes, contralateral lung nodule and soft tissue metastases.
FDG PET shows hypermetabolic metastatic small cell lung carcinoma in the primary right lung carcinoma, mediastinal node and right adrenal metastasis.
Teaching points

• FDG PET has a major impact on stage classification and management of patients with SCLC.

• There is a potential prognostic value of PET in staging of newly diagnosed SCLC.