Clinical summary

- Female 51 year-old with mesothelioma 3 months post-pleurodesis, for staging PET/CT
Left pleural uptake post pleurodesis can be seen due to inflammation or residual tumour (A). FDG-avid ipsilateral tracheobronchial node (B) in the setting of recent pleurodesis may be inflammatory or neoplastic in nature.
Moderate FDG avidity in the left adrenal gland is suspicious for metastasis which was proven on biopsy.
Clinical summary

- Male 57 year-old with pleural plaques for evaluation with PET/CT
FDG uptake seen in thickening nodular enhancing pleura, confirmed as mesothelioma
Teaching points

• Metabolic activity in the pleural surfaces on FDG PET scans are often confounded by prior pleurodesis, resulting in inflammatory changes which may be chronic (see topic on ‘Pleurodesis’).

• FDG PET is potentially appropriate for detection of extrathoracic disease prior to extrathoracic pleurectomy and prior to radiotherapy planning.