



Figure S1 A 41-year-old man with a pathological diagnosis of pulmonary artery sarcoma. (A) The lesion showed intense fluorodeoxyglucose uptake (maximum standardized uptake value =12.3) on the MIP, axial PET, and fused PET-CT images, and filling defects on the CTPA (red arrows). (B,C) Histopathology indicated an abundance of malignant spindle cells with high cellularity and a high nuclear:cytoplasmic ratio (B: HE staining, $\times 200$; C: HE staining, $\times 400$). MIP, maximum intensity projection; PET, positron emission tomography; CTPA, computed tomography pulmonary angiography; CT, computed tomography; HE, hematoxylin and eosin.