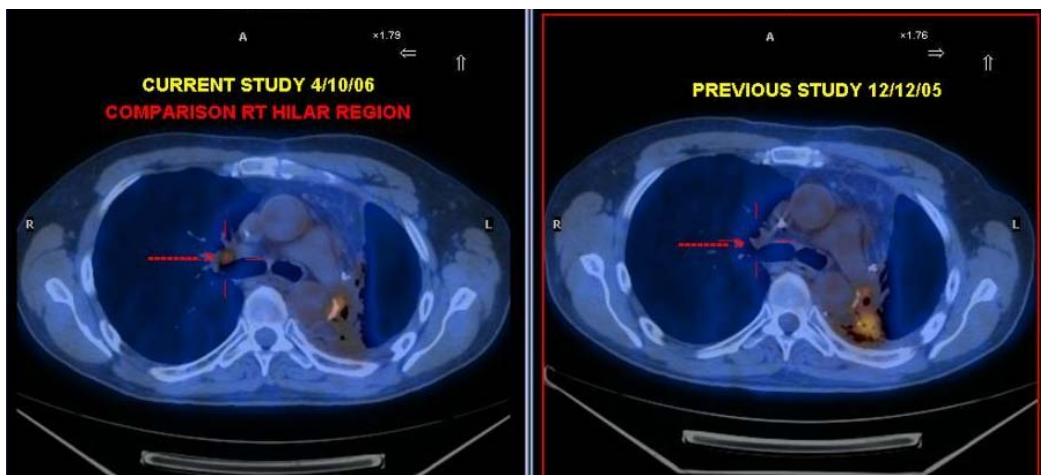


PETIMAGING

INTEGRATED PET/CT SCANNING CASE STUDY N^o 83

Non-Small Cell Lung Cancer Recurrence at 4 months

A 65 year old male diagnosed in February with poorly differentiated adenocarcinoma in the left lung is treated with left lobectomy, chemotherapy and external beam radiation. A PET/CT ordered in December to restage the cancer reveals a right hilar lymph node with an SUV of 4.0. No additional treatment is given. A repeat PET/CT 4 months later identifies persistent focal FDG uptake in the right hilar region.



In addition, two new foci of hypermetabolic activity are discovered laterally in the left pleura with SUVs of 3.9 and 3.2 corresponding to areas of pleural thickening on the CT and consistent with recurrent disease.

