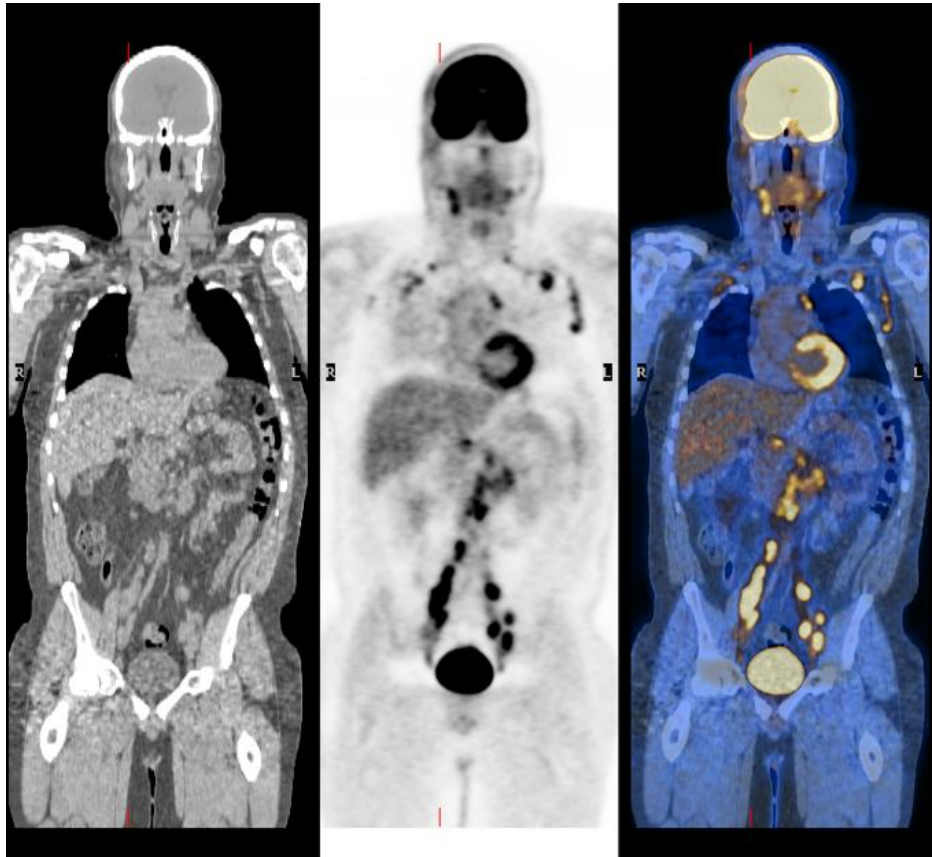


PETIMAGING

INTEGRATED PET/CT SCANNING CASE STUDY N^o 48

Melanoma Restaging



This male patient presents with a malignant melanoma of the left shoulder and upper arm for which he undergoes a wide excision with no additional follow-up. The following year, 4 mm lung nodules are identified, but no action is taken. A chest CT conducted 4 years later reveals significant growth of the nodules to 1 cm. A PET/CT is ordered to evaluate the bilateral pulmonary nodules. The PET/CT study shows extensive disease involving many nodal sites in the neck, the subpectoral portion of the upper chest wall, the mediastinum and bilateral hila, as well as the mesentery and retroperitoneum of the abdomen and pelvis. Bilateral lung involvement and multiple intramuscular sites are also identified.