



**JAMES Malagrino** M 83 y.o. 6/9/1942 ( MRN: 04480551 )  
609-838-2528 (M) PCP: Patnaik, Asit, MD

## PET/CT FDG Skull Base To Mid Thigh Initial Staging

Order: 458758790

Status: Final result Dx: Malignant neoplasm of unspecified par...

Test Result Released: No (inaccessible in RWJBarnabas Health MyChart)

### Details

Reading Physician

Liu, Yilan, MD

609-584-6605

Reading Date

7/15/2025

Result Priority

### Narrative & Impression

EXAM: PET/CT FDG SKULL BASE TO MID THIGH INITIAL STAGING

CLINICAL INDICATION: C34.90; Malignant neoplasm of unspecified part of unspecified bronchus or lung (CMS/HCC);

Prior Studies: PET/CT on November 27, 2023

### Protocol:

Patient's data:

83-year-old man

height: 5 ft and 8 in

weight: 135 lb.

After overnight fast the patient was administered intravenously in the right wrist with 12.48 mCi of F18-fluorodeoxyglucose (FDG). The patient's blood sugar was 98 mg/dL. After one hour uptake phase, the patient underwent PET/non contrast CT with PET/CT scanner. Images were acquired at 4 minutes per bed from the base of the skull to the mid thigh. Iterative reconstruction ( 2i8S) and attenuation correction were applied and the images were displayed in multiple formats and projection. CT is primarily for anatomic correlation rather than a diagnostic procedure. Standardized uptake value (SUV) will be reported as maximum value.

FDG administration time: 8:08 AM

Imaging time: 9:08 AM

### Findings:

Quality of the images is satisfactory for interpretation.

Reference SUVs (weight and height corrected):

Mediastinal blood pool SUV 2.1;

Liver SUV 2.6.

### Head/Neck:

There are no abnormal foci of altered metabolic activity or discrete mass in the visualized brain parenchyma. The ventricles and sulci appear within normal limits for the patient's age.

The orbits are grossly unremarkable.

The visualized tympanomastoid cavities are free of mucosal abnormality.

Paranasal sinuses are clear.

There is physiologic distribution of radiotracer in the salivary glands.

There is physiologic distribution of radiotracer in the nasopharyngeal, oropharyngeal, and laryngeal structures.

The thyroid gland is unremarkable.

There are new clusters of the right supraclavicular lymph nodes with intense uptake, the largest measuring about 2.0 cm with SUV 13.5. Findings are consistent with new nodal metastasis.

Chest:

There is no axillary lymphadenopathy.

There are multiple new bilateral mediastinal and hilar lymph nodes with intense uptake, the largest measuring about 2.0 cm with SUV 10.4 in the right paratracheal region. Findings are consistent with new nodal metastases as well.

There is new masslike subpleural nodular density with moderate uptake (SUV 5.4) in the posterior right lower lobe, representing either recurrent neoplasm or inflammatory/infectious process.

There is another 1.0 cm subpleural pulmonary nodule with moderate uptake (SUV 3.1) in the posterolateral left lower lobe, suspicious for neoplasm or metastatic disease as well.

There are multiple additional subpleural nodular densities or opacities with mild uptake in the right lung, likely inflammatory.

There is marked atelectasis in the right lower lobe. There is diffuse emphysema.

Postsurgical changes with multiple clips in the right lung and mediastinum.

There are multiple right retropleural nodules with moderate uptake on the right sided lower thoracic and upper lumbar spine, the largest measuring about 1.3 cm with SUV 6.5. Findings are consistent with retropleural metastases as well.

There is no pericardial effusion.

The heart size is normal. There is physiologic uptake in the left ventricular myocardium.

A small hiatal hernia.

Abdomen and pelvis:

There is no ascites.

Patient is status post partial gastrectomy with gastrojejunostomy.

Uptake of the liver is heterogeneous without focal abnormality. There is no discrete hepatic lesion.

Post cholecystectomy.

The spleen, pancreas, and adrenal glands appear unremarkable.

The kidneys are symmetric with no hydronephrosis.

There is physiologic bowel uptake. There is colonic diverticulosis.

The abdominal aorta is normal in caliber.

Prostate markedly enlarged without suspicious uptake.

The urinary bladder is unremarkable.

There are new retroperitoneal lymph nodes with intense uptake in the retrocrural, periportal and aortocaval regions, the largest measuring about 1.8 cm with SUV 12.8. Findings are consistent with retroperitoneal nodal metastasis.

Prominent inguinal lymph nodes with mild uptake are nonspecific.

#### Musculoskeletal system:

The current images demonstrate new vague sclerotic lesions with moderate to intense uptake in the left anterolateral fifth rib, L1, L5, right posterior ilium and greater trochanter of the left proximal femur. Findings are consistent with osseous metastases.

#### IMPRESSION:

1. Multiple new large FDG avid lymphadenopathy consistent with nodal metastases in the right supraclavicular, bilateral mediastinal/hilar and retroperitoneal regions as described above.
2. Multiple new right retropleural nodules with moderate uptake on the right sided lower thoracic and upper lumbar spine, consistent with retropleural metastases as well.
3. Multiple new osseous metastases as described above.
4. New masslike subpleural nodular density with moderate uptake (SUV 5.4) in the posterior right lower lobe, representing either recurrent neoplasm or inflammatory/infectious process. Another 1.0 cm subpleural pulmonary nodule with moderate uptake (SUV 3.1) in the posterolateral left lower lobe, suspicious for neoplasm or metastatic disease as well.
5. Multiple additional subpleural nodular densities or opacities with mild uptake in the right lung, likely inflammatory.

Electronically Signed By: Yiyan Liu, on 7/15/2025 10:05 AM  
Workstation:CHRRAVDIC22

Exam Ended: 07/15/25 09:37

Last Resulted: 07/15/25 10:05

Order Details  View Encounter  Lab and Collection Details  Routing  Result History

**Result Care Coordination** Released Not seen**Other Results from 7/15/2025****POCT glucose meter**

Order: 458758792

Status: Final result Test Result Released: No (inaccessible in RWJBarnabas Health MyChart)

Component	7/15/25 0801	11/27/23 0802	5/19/22 0820
Ref Range & Units			

POCT Glucose 70 - 109 mg/dL	98	97 CM	89 R
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Resulting Agency	RWJ UNIVERSITY HOSPITAL HAMILTON LAB	RWJ UNIVERSITY HOSPITAL HAMILTON LAB	HAMILTON SOFTLAB CONVERSIONS
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Specimen Collected: 07/15/25 08:01

Last Resulted: 07/15/25 08:12

Order Details  View Encounter  Lab and Collection Details  Routing  Result History

CM=Additional comments R=Reference range differs from displayed range

**Result Care Coordination** Released Not seen**PACS Images**

(Link Unavailable) Show images for PET/CT FDG Skull Base To Mid Thigh Initial Staging