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PET-CT Skull Base to Mid-Thigh

Important Information About Your Test Results ▾

 Not yet reviewed by care team.

Results

Study Result

Narrative & Impression

EXAMINATION:

PET CT SKULL BASE TO MID THIGH

CLINICAL INFORMATION:

Tumor or Primary Diagnosis: Carcinomatosis, unknown primary.

Indication: For initial staging for known malignancy; evaluation for initial treatment planning.

Additional Clinical Information: Status post colectomy demonstrating multiple tubular adenomas.

TECHNIQUE:

Blood glucose pre-injection measured 78 mg/dL. Approximately 50 minutes after intravenous administration of 10 millicuries of F18-FDG into the right antecubital vein, a CT attenuation-corrected PET scan from the canthomeatal line to the mid-thigh was acquired. Multiplanar PET-CT fusion images were constructed. SUV will be reported as maximum value.

COMPARISON:

CT chest 11/05/2025

CT abdomen pelvis 10/28/2025

CT abdomen pelvis 01/31/2024

FINDINGS:

HEAD and NECK:

Lymph nodes:

Few scattered subcentimeter FDG-avid bilateral cervical nodes.

CHEST:

Lungs:

Large portions of the lower lobes and right middle lobe are atelectatic adjacent to the pleural effusions.

The upper lobes are relatively well-aerated. There is also atelectasis in the lingula.

Pleura:

Multiple FDG-avid pleural and pericardial deposits bilaterally SUVs ranging between 6 and 7.

Persistent large layering bilateral pleural effusions.

Airway: The trachea and bronchi are patent.

Mediastinum, hilus and lymph nodes:

Many small FDG-avid bilateral axillary, supraclavicular, and mediastinal lymph nodes.

Largest right axillary 1.8 x 1.1 cm SUV max 9.5.

Various mediastinal nodes are subcentimeter SUVs around 6. Heart, vascular structures and pericardium: The heart, major vessels and pericardium are normal.

ABDOMEN/PELVIS:**Lymph nodes:**

There are innumerable FDG-avid upper abdominal, retroperitoneal, and bilateral iliac chain lymph nodes. These nodes measure up to 2 x 1.5 cm maximally in the pelvis. Upper abdominal nodes are smaller. SUVs of the lymph nodes measure between 8 and 10.

Soft tissue/organs:

Extensive carcinomatosis is present, with moderate volume ascites. The largest tumor conglomerate measures 8 cm in the right lower quadrant SUV max 15. There are innumerable implants. There is extensive omental caking.

A left adnexal cystic lesion is difficult to distinguish from background ascites (3:137) but was larger on the scan from 01/31/2024. It demonstrates FDG-avid elements at its periphery, difficult to distinguish from implants.

FDG-avid areas localized to both the endometrium SUV max 6.2 (4:146) and the uterine cervix SUV max 11 (4:152). An intrauterine device is present.

No hydronephrosis.

Status post colectomy. The rectum is still present.

MUSCULOSKELETAL:

3.0 x 2.5 cm low-density FDG-avid soft tissue lesion in the proximal aspect of the left arm SUV max 4.2 (4:23).

Various small FDG-avid soft tissue lesions are present within the musculature surrounding the chest wall.

IMPRESSION:

Extensive carcinomatosis with moderate volume ascites, bilateral pleural metastatic disease with persistent large layering bilateral pleural effusions, soft tissue metastases, and extensive cervical, thoracic, and abdominopelvic nodal metastases.

Suspect a gynecologic primary, either left adnexal, endometrial, or cervical.

Electronically Signed By: Mark Francescone on November 12, 2025 10:12 AM

I, Mark Francescone, have personally reviewed this report and concur with its findings and conclusions, as affirmed by my electronic signature.

Scans on Order 983434344

Scan on 11/11/2025 5:20 PM by Raphael, Lunes: PET CT HX

Result History

PET-CT Skull Base to Mid-Thigh (Order #983434344) on 11/12/2025 - Order Result History Report

Images

Show images for PET-CT Skull Base to Mid-Thigh



Scan 1

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