

DEPARTMENT OF NUCLEAR MEDICINE

name: Master Firhat Mafijul Mallick
age: 2 yrs/M
ID NO: KH1000653653

Ref Doctor: Dr. Somnath Chattopadhyay
Scan Acquired: 2:55 pm, 17/02/21
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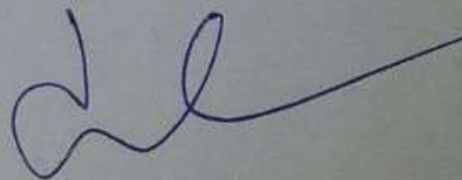
OPINION: K/C/O PFIC type 2 with HCC, post LDLT (11/02/20), for evaluation

The Whole Body PET-CT scan shows:-

1. No evidence of metabolically active disease at the surgical margin as well as within the hepatic parenchyma – *post live donor liver transplant.*
2. 7 mm sized enhancing nodule at splenic hilum – *splenunculus.*
3. 3.5 x 1.8 cm sized enhancing pleural based nodule in lower lobe of left lung – *metastatic.*
4. 3.7 x 2.1 cm sized triangular shaped soft tissue in anterior mediastinum with diffuse homogeneous low grade metabolic activity – *hyperplastic thymus? – age related/physiological?*
5. Focal increased FDG uptake corresponding to right 7th rib fracture laterally - ? *Causal - ? Pathological fracture*
6. No evidence of metabolically active disease elsewhere within the body.

Suggested: clinical correlation and corroboration with other investigation reports.

Dr. Hemant Khandare
Consultant - Nuclear Medicine


Dr. Anshu Rajnish Sharma
Consultant & Head-Nuclear Medicine

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WHOLE BODY PET-CT SCAN (with contrast)

HISTORY - K/C/O PFIC type 2 with HCC, post LDLT (11/02/20), for evaluation

STUDY: Positron Emission Tomography from the vertex of the skull to the mid thigh was performed 1 hour after the intravenous injection of 1.8 mCi of ¹⁸F¹⁸FDG. CT of the same region was also performed after oral and intravenous contrast.

FINDINGS: The Whole Body PET- CT scan shows:

- No demonstrable focal abnormal FDG uptake/lesion along the surgical margin as well as within the hepatic parenchyma (live donor liver transplant).
- Spleen appears unremarkable.
- 7 mm sized enhancing nodule at splenic hilum – splenunculus.
- Focal increased FDG uptake corresponding to right 7th rib fracture laterally - ? Cause - ? Pathological fracture.
- 3.7 x 2.1 cm sized triangular shaped soft tissue in anterior mediastinum with diffuse homogeneous low grade FDG uptake (SUV_{max} – 1.8) – hyperplastic thymus? – age related/physiological?
- 3.5 x 1.8 cm sized enhancing pleural based nodule in lower lobe of left lung (SUV_{max} – 1.8) – metastatic.
- Adrenals appear unremarkable.
- No FDG avid or size criteria wise significant lymphadenopathy in neck, axillae, pelvis and retroperitoneum.
- No FDG avid focal skeletal/marrow lesion noted.
- No abnormal focal FDG uptake or morphological lesion is seen in brain **.
- Rest of the PET-CT is unremarkable with physiological distribution of FDG.