



MEMORIAL BAHÇELİEVLER HOSPITAL

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Radiology Report

Report Number: [575376].[2].[289657288].[(AN)-289657288].[2020]

Patient Name and Surname:	VLAD ALEXANDRU CIRCIU	Protocol Number	5250386
Gender	Male	Date of Scan	08.10.2020 09:58
Date of Birth	04.04.2012	Report Approval Date	12.10.2020 09:34
LOINC Code	44139-4	Ordering Dept.	Bahçelievler - Nuclear Medicine
Access Number		Ordering Physician	. ARIA FOROUZ, MD

Clinical Information

Diagnosis

Indication

Method

Name of Scan	Tumor FDG PET	Medium Administered
Device Name/Brand/Model	Undefined	Amount of Medium
Dosage Administered		Route of Administration
Area of Scan		

PET/CT REPORT

Medical Device: Siemens Biography mCT 20 Ultra HD

Radiopharmaceutical: F-18 FDG

Imaging Protocol: Whole body imaging

Pharmacological Intervention: -

ICD-10 Code: C74.9

CLINICAL INFORMATION: PET-CT was performed to evaluate the response to the treatment for the neuroblastoma.

HEAD - NECK

Hypermetabolic soft tissue density lesions with calcific focuses inside, 17x11 mm in size, at left lower servical level VI at the widest point that reaches thorax, was observed. When compared to the previous scan, there is no prominent change in the sizes of the lesion, yet decreased metabolic activity is observed (old SUVmax:3.1, current SUVmax:2.4).

THORAX

No lymph node of pathological size or metabolic activity is observed in the mediastinum.

Heterogeneous mildly increased hypermetabolic thickening concordant with regressed malignant pleural uptake related to radiotherapy was noted. This finding is regressed as compared to the previous scan. When it is compared to the previous scan, newly developed hypermetabolic ground glass density increase areas were observed at the subpleural area adjacent to identified area related to radiotherapy.

ABDOMEN

The liver, spleen, pancreas exhibit normal size and metabolic activity, no space occupying or hypermetabolic lesion was detected.

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At right adrenal gland localization, heterogeneous mild hypermetabolic mass formation with amorph calcifications was observed. This finding was evaluated as primarily indicative of fibrotic changes. The findings are similar to the previous scan.

Metabolically mild hyperactive-inactive soft tissue density lesions 23x20 in size, are present at right renal hilus level inferior, extending to the right paracaval area and its widest point, mm with peripheral calcifications inside. When compared to the previous scan, there is a decrease in size and metabolic activity of the lesion. It could be compatible with fibrotic tissue.

The colonic and intestinal segments display normal diameter and wall thickness; their metabolic activities are within physiological limits.

A few millimetric hypometabolic lymph nodes are observed in the paraaortic-aorticaval area. The findings are similar to the previous scan.

No free or loculated fluid is detected in the abdomen.

MUSCOSKELETAL SYSTEM

The homogeneously increased diffused hyper-metabolism at bone marrow and diffused sclerotic hypometabolic lesion was observed at L5. The findings are similar to the previous scan. Heterogeneously increased hyper-metabolism could not be differentiated from malignant pleural uptake at left 4,5,6th rib posterior. Metabolic activity in this area was reduced compared to the previous examination.

RESULT:

- The findings are consistent with partial response as compared to the PET CT scan dated 16.07.2020.


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