

## Letter to editor

# Accuracy of Positron Emission Tomography-Computed Tomography in Bone Marrow Involvement Lymphoma

Dear Editor,

Spread of lymphoma should be determined before treatment modality. Bone marrow involvement is an important part of staging of lymphoma. Recently the most commonly used imaging modality in lymphoma is positron emission tomography-computed tomography (PET-CT). Glucose metabolic activity is high in most lymphoma and we can evaluate spread of lymphoma with PET-CT because of its high uptake of fluorodeoxyglucose.<sup>[1]</sup> Nowadays bone marrow biopsy and PET-CT is used routinely in order to staging of lymphoma.<sup>[2]</sup>

We aimed to test PET-CT in bone marrow involvement lymphoma. We included 15 lymphoma patients in our study, and all patients underwent bone marrow biopsy. PET-CT was applied all patients. 10 out of 15 (66.6%) patients showed positive PET-CT results. Positive pathological biopsy material were found in eight out of 15 patients (53.3%). 40% of PET-CT findings proved true positive, 26.6% were found to be false positive. 20% proved true negative and 13.3% false negative. This results in a specificity of 42.8% and a sensitivity of 75%.

## Comparison of bone marrow biopsy and PET-CT for bone marrow involvement of lymphoma

	Bone marrow positive patients with biopsy	Bone marrow negative patients with biopsy
Bone marrow positive patients with PET-CT	6 patients	4 patients
Bone marrow negative patients with PET-CT	2 patients	3 patients
Total	8 patients	7 patients

PET-CT: Positron emission tomography-computed tomography

Here we wanted to emphasis our experience of PET-CT in lymphoma.

Yours sincerely sir

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