



doi • 10.5578/tt.6921

Tüberk Toraks 2014;62(2):170-171

Geliş Tarihi/Received: 24.12.2013 • Kabul Ediliş Tarihi/Accepted: 05.01.2014

EDİTÖRE MEKTUP
LETTER TO THE EDITOR

FDG-PET/CT scan in a skin metastasis from lung cancer

Koichi KURISHIMA¹
Katsunori KAGOHASHI¹
Shijima TAGUCHI²
Hiroaki SATOH¹

¹ Department of Respiratory Medicine, Mito Medical Center, University of Tsukuba, Ibaraki, Japan

¹ *Tsukuba Üniversitesi Mito Tıp Merkezi, Solunum Hastalıkları Anabilim Dalı, Ibaraki, Japonya*

² Department of Dermatology, Mito Medical Center, University of Tsukuba, Ibaraki, Japan

² *Tsukuba Üniversitesi Mito Tıp Merkezi, Dermatoloji Anabilim Dalı, Ibaraki, Japonya*

A 73-year-old man was referred to our hospital due to nodular mass in the right lower lobe of the lung with mediastinal lymph node involvement (Figure 1A,B). On admission, physical examination revealed a soft skin nodule with a 3 cm diameter in the right back. Fluorodeoxyglucose positron emission tomography/computed tomography (FDG-PET/CT) scan showed both lung and skin tumors with accumulation of FDG (Figure 1B,C). A transbronchial biopsy was done and revealed adenocarcinoma. Skin biopsy confirmed metastasis from the lung cancer. The patient had lung and bone metastases, but he had no other skin metastasis at any sites.

In our patient, the differential diagnosis of the skin nodule included epidermal cyst. FDG-PET/CT may be one of the useful imaging test for skin metastasis, although there was a case report with abnormal FDG uptake in an epidermal cyst (1,2).

Yazışma Adresi (Address for Correspondence)

Dr. Hiroaki SATOH
Tsubaka Üniversitesi Mito Tıp Merkezi,
İç Hastalıkları Anabilim Dalı, Miya-Machi 3-2-7,
Mito, 310-0015, IBARAKI-JAPAN
e-mail: hirosato@md.tsukuba.ac.jp



Figure 1. CT scan showed a nodular mass in the right lower lobe of the lung with mediastinal lymph node involvement (A,B). Fluorodeoxyglucose positron emission tomography/computed tomography (FDG-PET/CT) scan showed both lung and skin tumors with accumulation of FDG (B,C).

CONFLICT of INTEREST

None declared.

REFERENCES

1. Perisano C, Spinelli MS, Graci C, Scaramuzzo L, Marzetti E, Barone C, et al. Soft tissue metastases in lung cancer: a review of the literature. *Eur Rev Med Pharmacol Sci* 2012;16:1908-14.
2. Bybel B, Leslie WD. Abnormal F-18 FDG uptake in two epidermoid cysts on PET/CT. *Clin Nucl Med* 2009;34:918-9.