Diffuse Large B-cell Lymphoma Involving the Skeletal Muscle

Ko Harada, Kosuke Kimura, Masaya Iwamuro and Fumio Otsuka

Key words: diffuse large B-cell lymphoma, soft tissue mass, unilateral leg swelling

(Intern Med 56: 1269-1270, 2017)

(DOI: 10.2169/internalmedicine.56.7953)

Picture.

A 65-year-old man was referred to our hospital with extensive swelling of the left leg (Picture A). His serum levels of lactate dehydrogenase and soluble interleukin-2 receptor were elevated to 1,000 IU/L (reference range, 120-240 IU/L) and 3,922 U/mL (reference range, 122-496 U/mL), respectively. Magnetic resonance imaging of the leg showed an enlarged left thigh composed of the quadriceps femoris mus-

cles with a high-intensity area (Picture B, arrows) and the femoral bone, with heterogenous spots on T2 images (Picture C, arrows). Positron emission tomography-computed tomography identified high uptake of ^{18}F -FDG (SUVmax, 13.25), predominantly in the muscles of his left thigh and also in the supraclavicular, subclavicular, and abdominal lymph nodes (Picture D). Following a biopsy of the left su-

Department of General Medicine, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan

Received for publication July 6, 2016; Accepted for publication September 7, 2016

Correspondence to Dr. Ko Harada, me422084@s.okayama-u.ac.jp

praclavicular lymph node, a diagnosis of diffuse large B-cell lymphoma was made. Non-Hodgkin's lymphoma involving the skeletal muscles is rare, accounting for 1.4% of all lymphomas (1, 2). It is therefore important to consider the possibility of lymphoma in patients with unilateral leg swelling.

The authors state that they have no Conflict of Interest (COI).

References

1. Komatsuda M, Nagao T, Arimori S. An autopsy case of malignant

lymphoma associated with remarkable infiltration in skeletal muscles. *Rinsho Ketsueki* **22**: 891-895, 1981 (in Japanese).

2. Tanaka Y, Hayashi Y, Kato J, et al. Diffuse skeletal muscles uptake of [18F] fluorodeoxyglucose on positron emission tomography in primary muscle peripheral T-cell lymphoma. *Intern Med* **50**: 2021-2024, 2011.

The Internal Medicine is an Open Access article distributed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. To view the details of this license, please visit (<https://creativecommons.org/licenses/by-nc-nd/4.0/>).

© 2017 The Japanese Society of Internal Medicine
<http://www.naika.or.jp/imonline/index.html>