

## Novel Appearance of Liver and Lung Abscesses

Satoshi Hamada<sup>1,2</sup>, Makoto Katsutani<sup>3</sup> and Shigeki Ono<sup>3</sup>

**Key words:** lung abscess, liver abscess

(Intern Med 55: 2323, 2016)

(DOI: 10.2169/internalmedicine.55.6858)



**Picture 1.**



**Picture 2.**

A 74-year-old woman diagnosed with rheumatic arthritis at 67 years of age and receiving methotrexate 6 mg per week complained of a dry cough and a slight fever (up to 37.6°C). She had never consumed alcohol. Contrast-enhanced computed tomography indicated a solitary abscess in her right S10 segment and in the right posterior lateral segment of the liver (Picture 1). Serum anti-amebic antibody was not identified. Although causative organisms were not detected in the sputum or blood culture, broad-spectrum antibiotic therapy markedly alleviated her symptoms and signs without requiring drainage of the lung or liver abscess. Within four days, the fever resolved. At four months, computed tomography demonstrated the disappearance of the

lung abscess and a marked decrease in the size of the liver abscess from 50×39 mm to 21×18 mm (Picture 2). The development of lung and liver abscesses adjacent to the diaphragm typically occurs during amebiasis (1), however, this case demonstrates the potential development of lung and liver abscesses due to bacterial infection.

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

### Reference

1. Shamsuzzaman SM, Hashiguchi Y. Thoracic amebiasis. *Clin Chest Med* 23: 479-492, 2002.

<sup>1</sup>Department of Respiratory Medicine, Graduate School of Medicine, Kyoto University, Japan, <sup>2</sup>Department of Respiratory Medicine, Ako City Hospital, Japan and <sup>3</sup>Department of Gastroenterology and Hepatology, Ako City Hospital, Japan

Received for publication November 17, 2015; Accepted for publication November 29, 2015

Correspondence to Dr. Satoshi Hamada, sh1124@kuhp.kyoto-u.ac.jp

© 2016 The Japanese Society of Internal Medicine Journal Website: <http://www.naika.or.jp/imonline/index.html>