

## Detecting meningeal carcinomatosis from breast cancer with thallium-201 SPECT

Naoto WATANABE,\* Masashi SHIMIZU,\* Kyo NOGUCHI,\* Hideto KAWABE,\*  
Norihisa TONAMI\*\* and Hikaru SETO\*

*\*Department of Radiology, Toyama Medical and Pharmaceutical University*

*\*\*Department of Nuclear Medicine, Kanazawa University*

Thallium-201 ( $^{201}\text{Tl}$ ) scintigraphy is one of the imaging methods used in the detection of various tumors including brain metastasis. We evaluated a patient with meningeal carcinomatosis from breast cancer by using  $^{201}\text{Tl}$  single-photon emission computed tomography (SPECT). Meningeal spread of a tumor was noted on enhanced CT. SPECT revealed tumor localization in meningeal carcinomatosis. These results suggest that SPECT with  $^{201}\text{Tl}$  may be useful in detecting meningeal carcinomatosis from breast cancer.

**Key words:** meningeal carcinomatosis, breast cancer,  $^{201}\text{Tl}$  SPECT, Tumor imaging