

Technetium-99m tetrofosmin uptake in lung cancer: Comparison with thallium-201

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Technetium-99m tetrofosmin and thallium-201 lung SPECT imaging were performed in a patient with adenocarcinoma of the lung. Significant activities in the lung lesion were clearly depicted on both technetium-99m tetrofosmin and thallium-201 SPECT imaging. The early uptake, delayed uptake ratios and retention indices of the tumor were 2.75, 2.39 and –13.1 for thallium-201 imaging and 3.09, 2.27 and –26.5 for technetium-99m tetrofosmin imaging, respectively. This preliminary report suggests that technetium-99m tetrofosmin may have potential as a tumor imaging agent.

Key words: technetium-99m tetrofosmin, thallium-201, lung cancer