

Comparison of gallium-67 citrate and technetium-99m tetrofosmin scan to detect Hodgkin's disease

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Objective: The purpose of this study was to compare the usefulness of gallium-67 citrate (^{67}Ga) and technetium-99m tetrofosmin (Tc-TF) scan to detect Hodgkin's disease (HD). **Methods:** In this study, 24 patients with HD underwent ^{67}Ga and Tc-TF scan before receiving any therapy. **Results:** ^{67}Ga scan could detect HD in all 24 (100%) patients. Tc-TF scan could detect HD in 22/24 (91.6%) patients, but it was false-negative in one case of infradiaphragmatic HD and in another case with chemotherapy resistance. There was no significant difference in detection sensitivity between ^{67}Ga and Tc-TF scan. **Conclusions:** We conclude that Tc-TF scan can not replace conventional ^{67}Ga scan to detect HD.

Key words: gallium-67 citrate, technetium-99m tetrofosmin, Hodgkin's disease