

Application of single-photon emission computed tomography (SPECT) with ^{99m}Tc -MAA in evaluation of perfusion patterns during hepatic infusion chemotherapy

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In 6 patients receiving hepatic artery infusion chemotherapy for liver metastases, planar and single-photon emission computed tomography (SPECT) images of the abdomen were obtained after intravenous injection of ^{99m}Tc -phytate, and intra-catheter injection of ^{99m}Tc -MAA in the same geometrical settings. With this method, the three-dimensional intra- and extra-hepatic distribution of the agents during hepatic artery infusion chemotherapy can be evaluated.

Key words: SPECT, hepatic artery infusion chemotherapy, ^{99m}Tc -MAA