

Invited Lectures

USE OF ^{99m}Tc -MIBI IN ONCOLOGIC DISORDERS

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$\text{Tc-}^{99m}\text{-Sestamibi}$ is a lipophilic cation which was originally developed and studied for myocardial perfusion imaging. Nowadays, many researchers have reported using ^{99m}Tc -MIBI as an oncologic marker for a variety of tumors. ^{99m}Tc -MIBI accumulates in different cells with negative plasma membrane potential that have numerous mitochondria in their cytoplasm, thus explaining the uptake in malignant tumors and in several benign conditions.

The aim of our paper is to present the current non-cardiac clinical applications of ^{99m}Tc -MIBI scan in our department scintimamography, hematological disorders (multiple myeloma, solitary plasmocytoma, lymphoma), cerebral tumors, thyroid cancer and parathyroid adenoma.