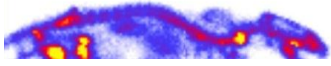


BONE SCAN

Persian Gulf Nuclear Medicine Research Center

[Rat Study]

February 9, 2014



Scan Summary

To perform a bone scan study using HiReSPECT small animal imaging system, 5 mCi ^{99m}Tc -methylene diphosphonate (^{99m}Tc -MDP) injected. For lateral scan, the mice mode selected for detectors and as detector size was smaller than the rat's length, planar scan performed in two steps. Figure 1 indicates lateral scan results.

One other scan was done and rat mode selected for detectors. Same as the lateral scan, because of the detector size limitation, scan performed in 4 steps and finally, images presented in one picture as shown in figure 2.

The results presented in 3 color mapping.

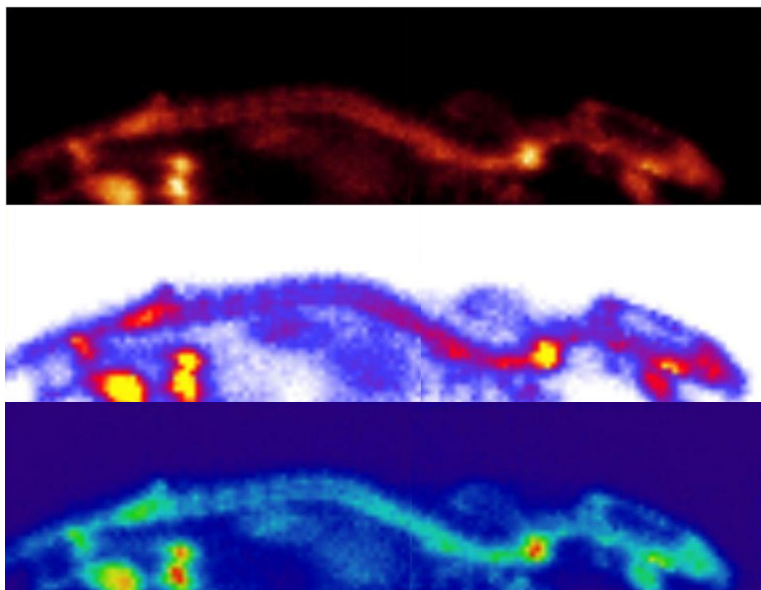


Figure 1. Lateral bone scan(2 steps, using mice mode)

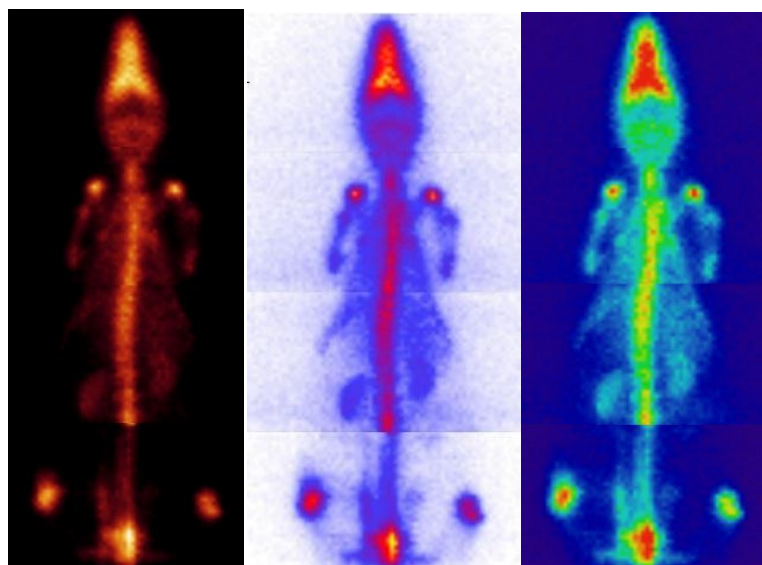


Figure 2. Bone scan(4 steps, using rat mode)