

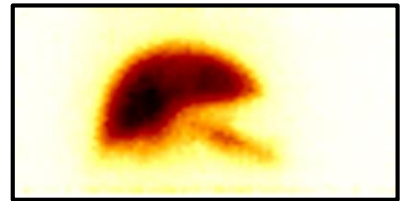
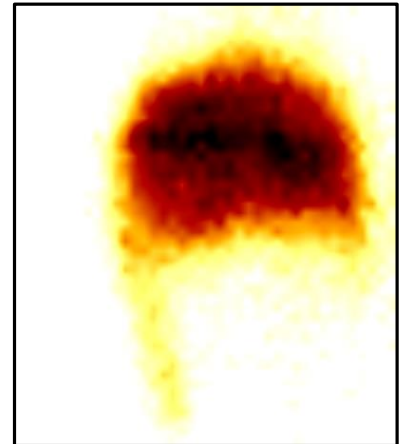
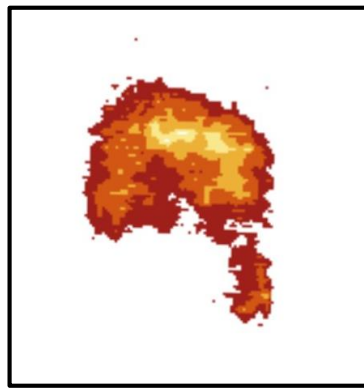
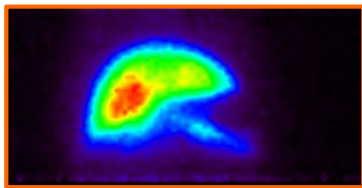


[The Persian Gulf Nuclear Medicine Research Center]

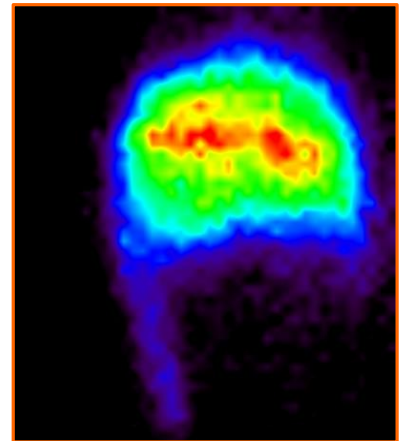
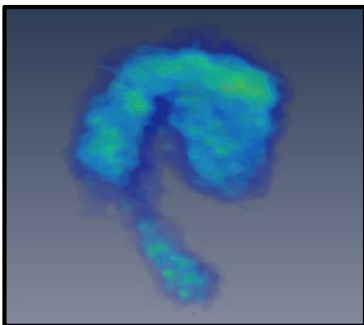
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“Administration of radiotracer molecules, imaged at unrivaled Pico molar concentrations, provides uniquely noninvasive, nontoxic, quantitative, longitudinal, functional images of physiological health as well as diagnosis and mechanisms of disease, obviously scalable for creatures of widely different sizes”. The Persian Gulf nuclear medicine research center has been working on preclinical research using small-animal radionuclide imaging for 4 years.



99mTc-PHYTATE



Liver/Spleen Scan

The animal was anesthetized using a combination of Ketamine and Xylosin, and injected with ^{99m}Tc-phytate. Planar and SPECT images performed using the HiReSPECT imaging system.

HiReSPECT; Small-animal SPECT

Radionuclide scan Imaging was conducted using HiReSPECT, a small-animal SPECT.

- The imaging system consisted of two gamma cameras.
- The image spatial resolutions and the planar spatial resolution of the system at the head surface is 1.2–1.6 mm and 1.7 mm, respectively.



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