Pancreatic imaging had been noninvasive and safe technique for evaluating the pancreas status in clinical cases. In order to improve the diagnostic capability of pancreas, pancreatic imaging with single photon emission computed tomography (SPECT) technique was applied.

Instrument used was a autotune ZS gamma camera(Maxi Camera 400A/T) with computer (MaxiStar) on-line system.

Three μCi/Kg of body weight of Se-75-selenomethionine was injected intravenously and pancreas imaging with SPECT technique was started from 30 min after injection. The plain and subtraction images were also examined to compare with the images of SPECT technique.

Our results obtained in this series were as follows; it was possible in transaxial and sagittal images with SPECT technique to distinguish the pancreas image from the liver image. In addition, it was possible to obtain the whole pancreas image clearly in oblique images.

Our data suggest that pancreas imaging with SPECT technique are valuable in evaluating the pancreas status in clinical cases.