

Pullman Regional Hospital

Nuclear Medicine Department

What is SPECT/CT?

SPECT/CT is new technology which integrates CT technology with a Gamma Scintillation camera (Nuclear Medicine camera). This hybrid system allows for more precise detection by pinpointing the exact location, size and extent of disease in the body.

During your scan

First multiple 2-D images are acquired using our Gamma camera in multiple angles or projections. These images can be manipulated to illustrate 3-D views of the body or body part of interest. These images are generally viewed in cross-sectional slices similar to CT or MRI.

Next a CT scan is attained while the patient is still on the same imaging table. This CT scan acquires multiple axial slices through the body or part being imaged. The images are reconstructed using special algorithms to create 3-D views of the body.

The Nuclear Medicine images and CT images are then fused together in a precise overlay. This merger of CT and Nuclear Medicine allows for more accuracy in the detection of tumors and other pathology at an earlier stage.

Our SPECT/CT system offers minimum dose at while providing exceptional image quality. Our system is also ACR Certified.

After your scan

You can resume your regular activities with no restrictions. The technologist will not be able to give you any results; however, the results should be available to the doctor who ordered your test within one to two business days.

Thank you

We are honored that you have chosen Pullman Regional Hospital to serve your healthcare needs.