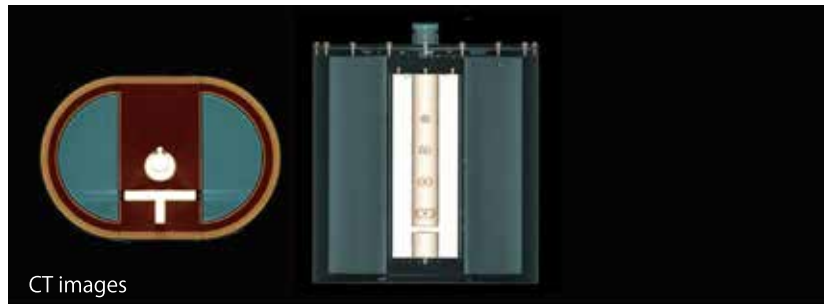
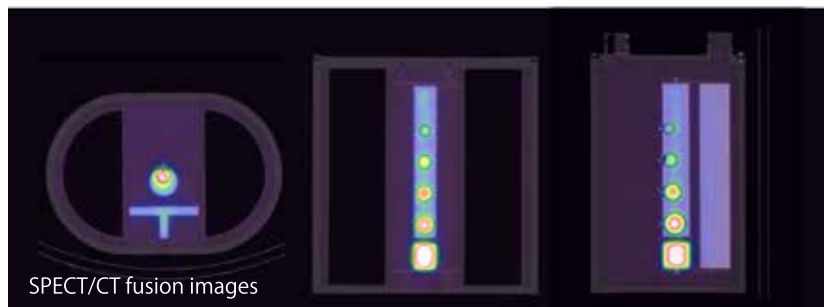


PH-74

Bone Scintigraphy Quality Assurance Phantom



SPECT images



An innovative QA phantom for Bone Scintigraphy, Bone SPECT/CT and NaF-PET

The phantom is designed to represent both thoracic and lumbar regions by changing background materials.

- Thoracic region: fill the side cavities with the lung inserts.
- Lumbar region: fill the side cavities with soft tissue substitute solution.

Specifications

■ Evaluation Parameters

Visual Evaluation

- Tumor detectability
- Image distortion
- Artifact

Automated Evaluation

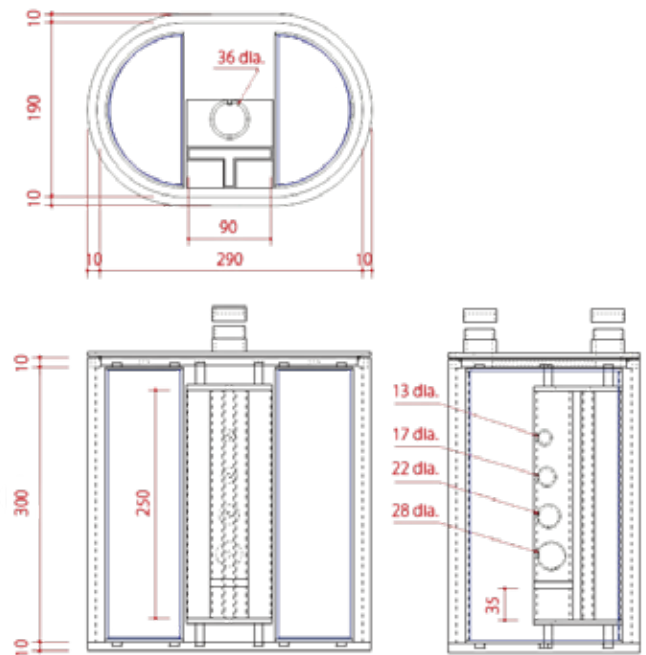
- Contrast and count ratio between vertebral body and tumor
- Concentration linearity and recovery coefficient in the tumor
- Statistical noise
- FWHM at the spinous process (relative index of resolution)

Other Evaluation

- Verification of scattering correction and attenuation correction



- Outer Dimensions: 310 x 210 x 355 mm
- Inner Dimensions: 290 x 190 x 300mm

- Material: Acrylic resin
- Tough lung (PVA acetal compound)



Specifications are subject to change without prior notice.



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