

Supplementary Information

Capabilities of Multi-Pinhole SPECT with Two Stationary Detectors for In Vivo Rat Imaging

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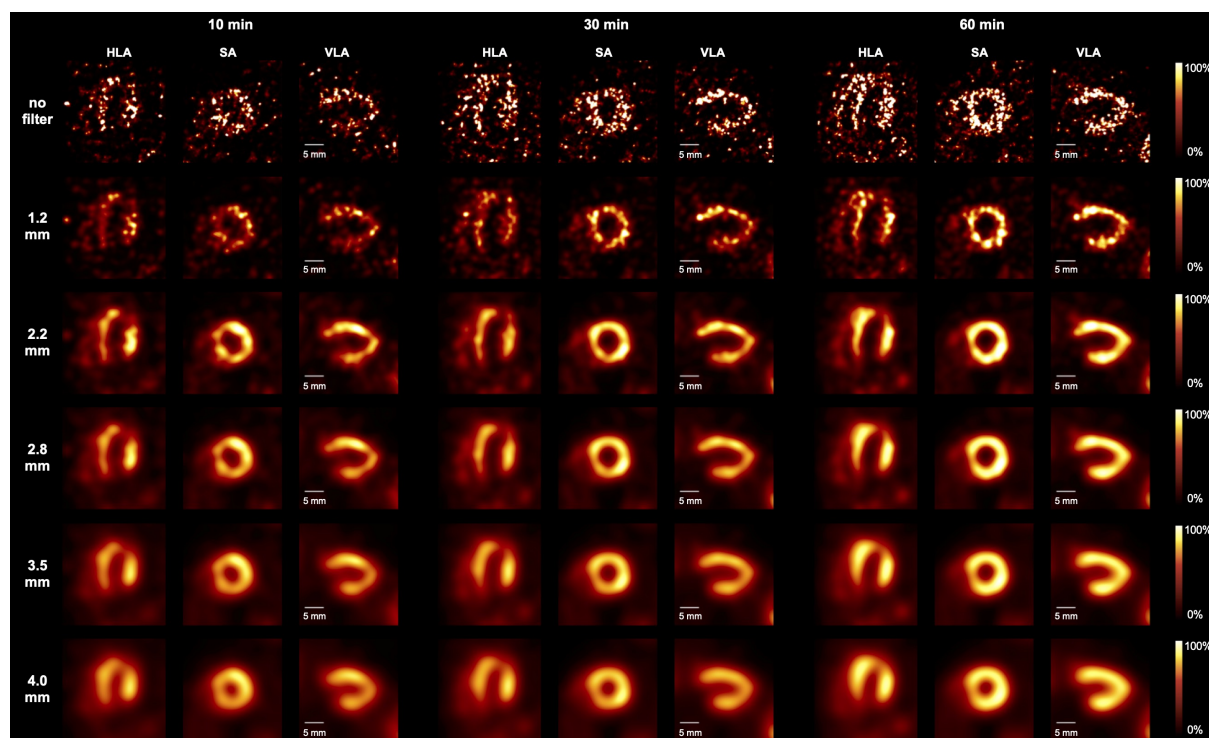
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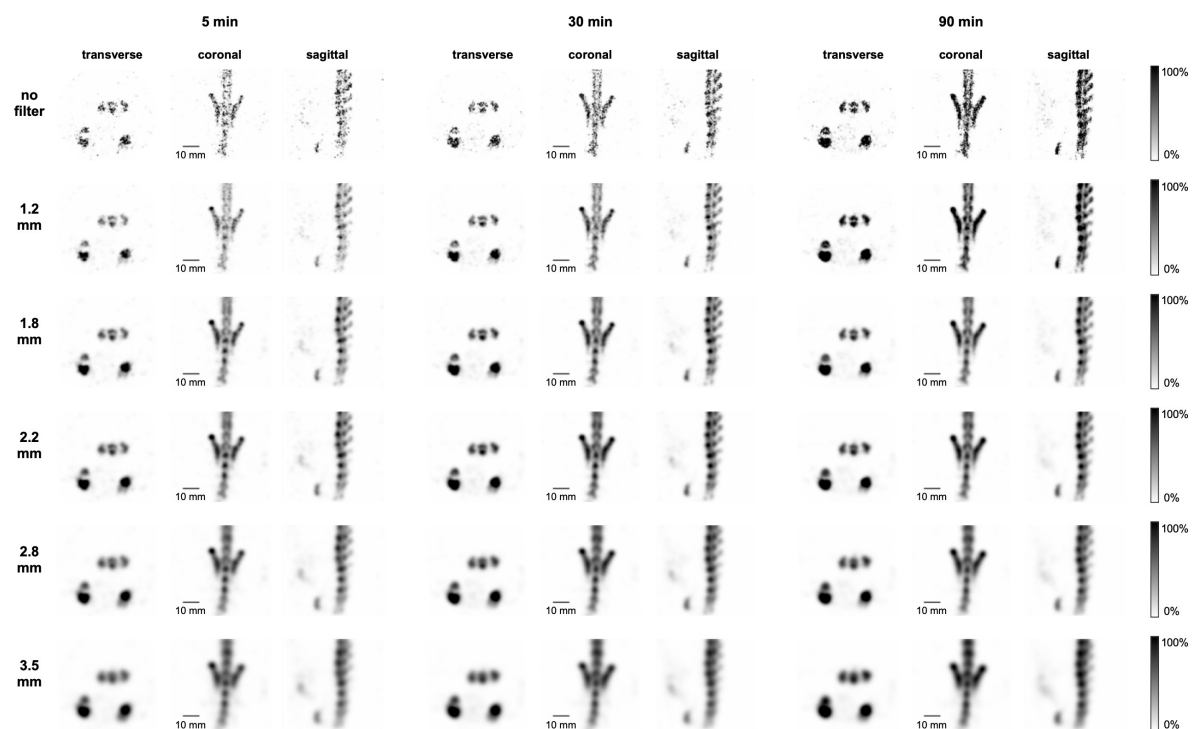
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Supplementary Figures



Supplementary FIGURE 1 Myocardial perfusion SPECT with three different reconstructed scan times and six different Gaussian post-filters. Whole-body scan of a healthy rat cropped to the heart region. Horizontal long axis (HLA), short axis (SA) and vertical long axis (VLA) perspective images have a slice thickness of 0.4 mm and adjusted scaling for good contrast. Injection dose was 108.5 MBq ^{99m}Tc -MIBI and 25 min after tracer injection into tail vein the scan was performed for six 10-min frames (40 BP, 15 s TPB). Reconstructed scan times consisting of the first (10 min), the first three (30 min) and all six frames (60 min) are displayed.



Supplementary FIGURE 2 Bone SPECT images with three different reconstructed scan times and six different Gaussian post-filters. The scan was focused on pelvis and lower spine of a healthy rat, the transverse, coronal and sagittal view is shown with a slice thickness of 0.4 mm and adjusted scaling for good contrast. Injection dose was 154.9 MBq ^{99m}Tc -HMDP and 60 min after tracer injection into tail vein, the scan was performed for 18 5-min frames (15 BP, 20 s TPB). Reconstructed scan time consisting of the first (5 min), the first six (30 min) and all 18 frames (90 min) are displayed.