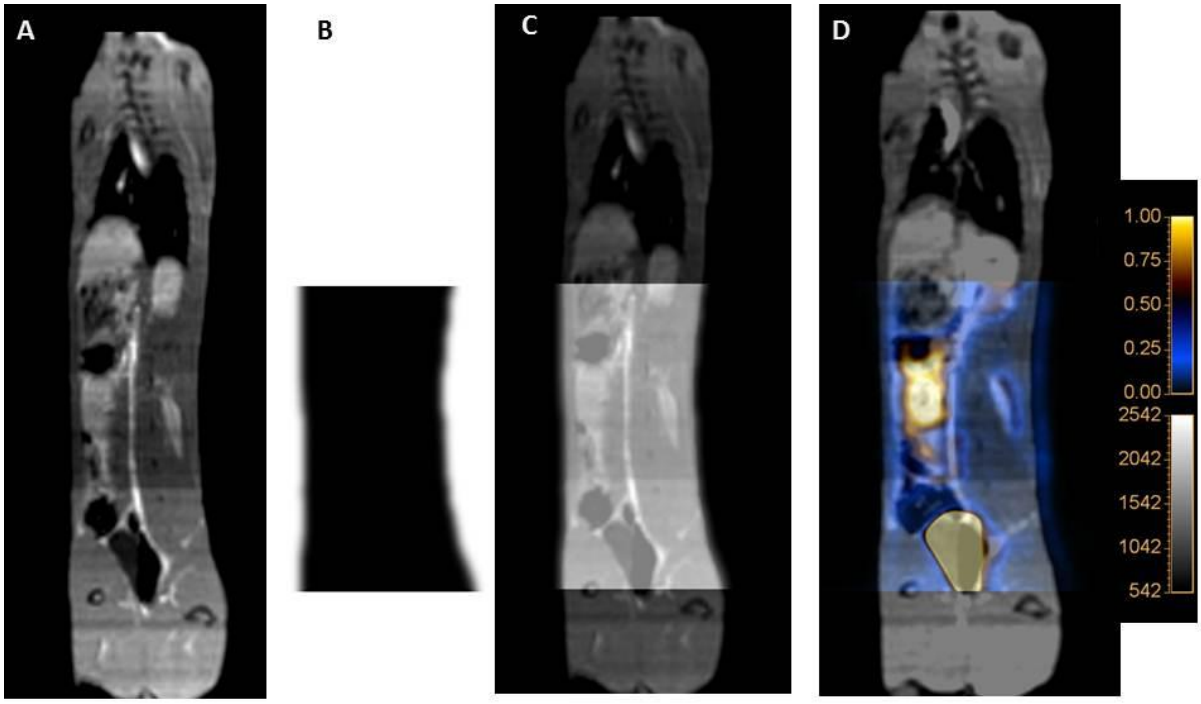
Appendix.

^{18}F-FDG PET-MR images: atMR slice (A), MR attenuation map (B), fused atMR-MR attenuation map (C) and fused atMR-PET image (D)



The segmentation algorithm to produce the MR attenuation map, in the case of animal imaging, consists of a two-segment classification between air and soft tissue. This method provides a body contour segmentation image of the animal with the interior of the animal assigned a pre-determined soft-tissue attenuation coefficient value (0.095 cm^{-1}) and air attenuation coefficient value (0 cm^{-1}).