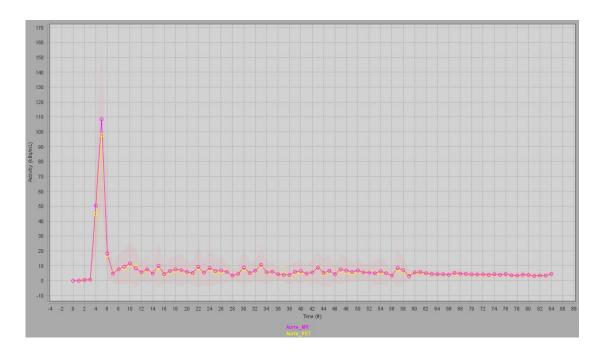
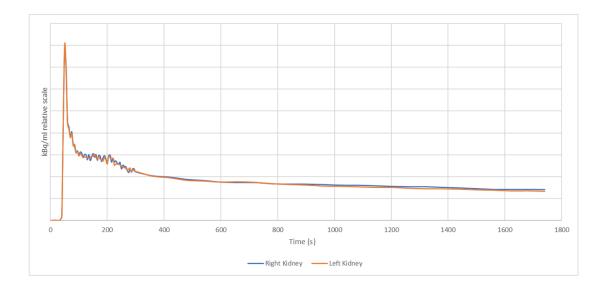
## Supplemental data



**Figure S1:** An example of TAC for the arterial input function when the ROIs are drawn on the MRI aorta (light red) and on the PET (yellow) using fused images.



**Figure S2:** PET TACs from a patient with a high BKG pv  $SF_{MAG3}$  of 61 %. The value of the  $SF_{FDG}$  for BKG was 55.5 % and was 50 % using our integral method over the 1-2 minute or 1-3 minute interval.