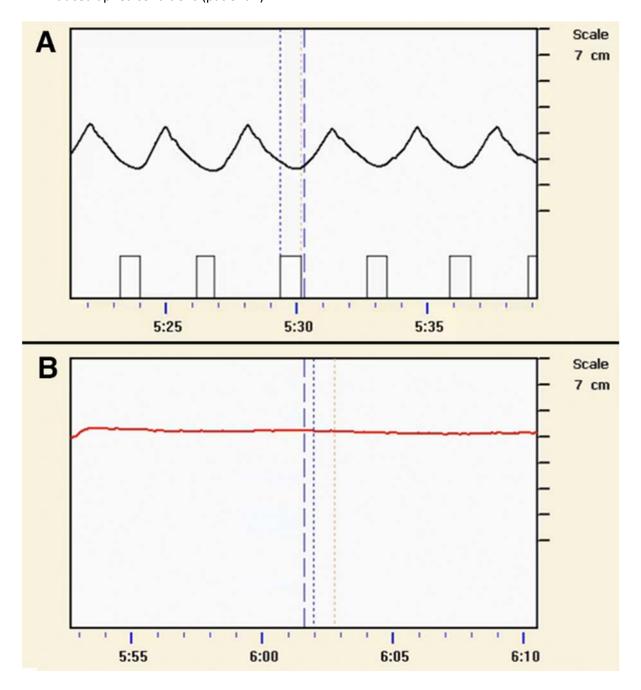
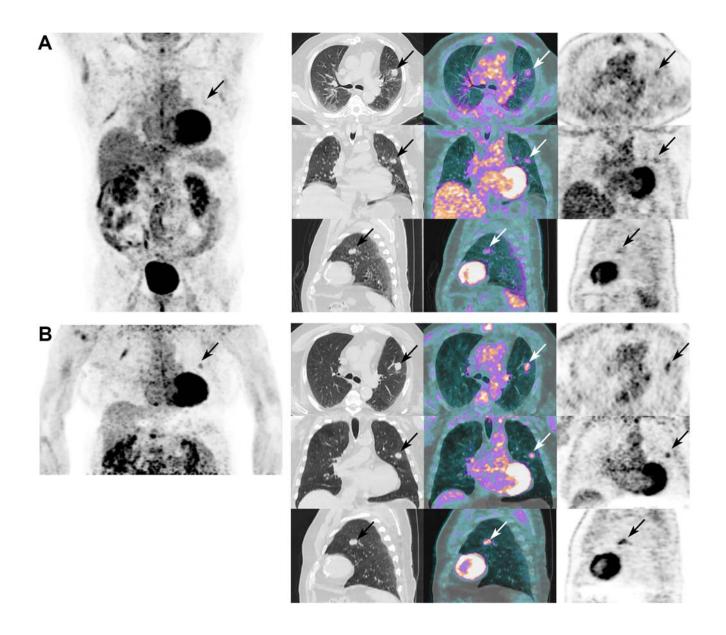
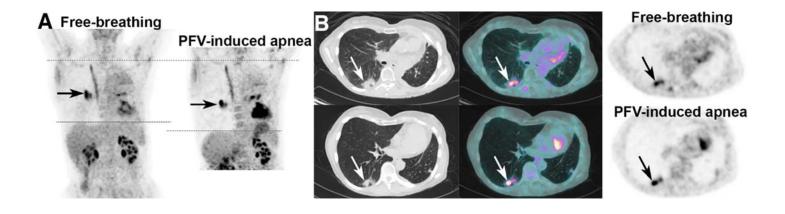
Supplemental Figure 1. Screenshot from the VARIAN RPM signal: **(A)** in free-breathing and **(B)** under PFV-induced apnea conditions (patient 4).



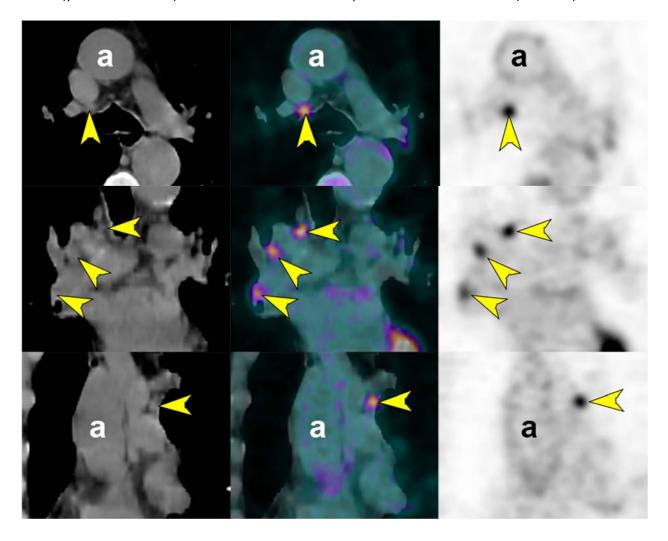
Supplemental Figure 2. Patient 1: Pulmonary nodule (arrow) with **(A)** free-breathing and **(B)** PVF-induced apnea.



Supplemental Figure 3. Patient 2: **(A)** Maximum intensity projection and **(B)** corresponding multiplanar reconstruction images of the pulmonary lesion (arrow).



Supplemental Figure 4. Patient 3: Appreciate the finer mediastinum details of PFV-induced apnea PET/CT with multiplanar reconstruction images showing excellent visibility of ¹⁸F-FDG-positive lymph nodes (yellow arrowhead). Note even the discernable uptake in normal aortic wall (a = aorta).



Supplemental Figure 5. Patient 4: (**A**) maximum intensity projection and (**B**) axial/sagittal multiplanar reconstruction images (b = breast gland). Pulmonary lesion (yellow arrowhead) is visible only in PVF-induced apnea PET/CT. Appreciate the finer maximum-intensity-projection details (e.g. individual ribs) in PFV-induced PET/CT (**A**).

