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Revised By:
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PROCEDURE:

To Weekly calibrate both scanners to each other.

Weekly QC microPET

Both Scanners:

1. Fill a 25ml glass scintillation vial with milliQ water.
2. Draw up @ 200 μ Ci of F18, record time, pre weight of vial and post weight of vial.
3. Add @ 200 μ Ci of F18 to vial.
4. Mix well and top off so there are no bubbles and cap.
5. Record residual activity and time.
6. Scan on each scanner for 30 minutes, entering activity. Record start time.
7. Hist statically.
8. Reconstruct using FBP and no attenuation correction. Use CT for attenuation correction on the Inveon and MR for MRS
9. Reconstruct using attenuation correction and scatter correction with FBP.
10. Using AsiPro draw an roi in the center of the vial. Graph across planes getting rid of the end planes where the cap and bottom of the vial are.
11. Record activity, start times on MicroPET cylinder spreadsheet, Weekly QC tab.
12. Adjust norm calibration factor if necessary.

Perform a Cross Calibration both scanners and Gamma Counters once a Month

