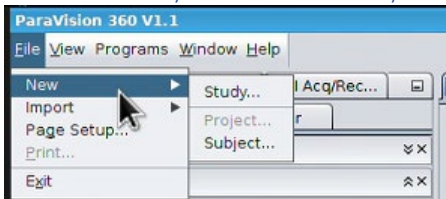
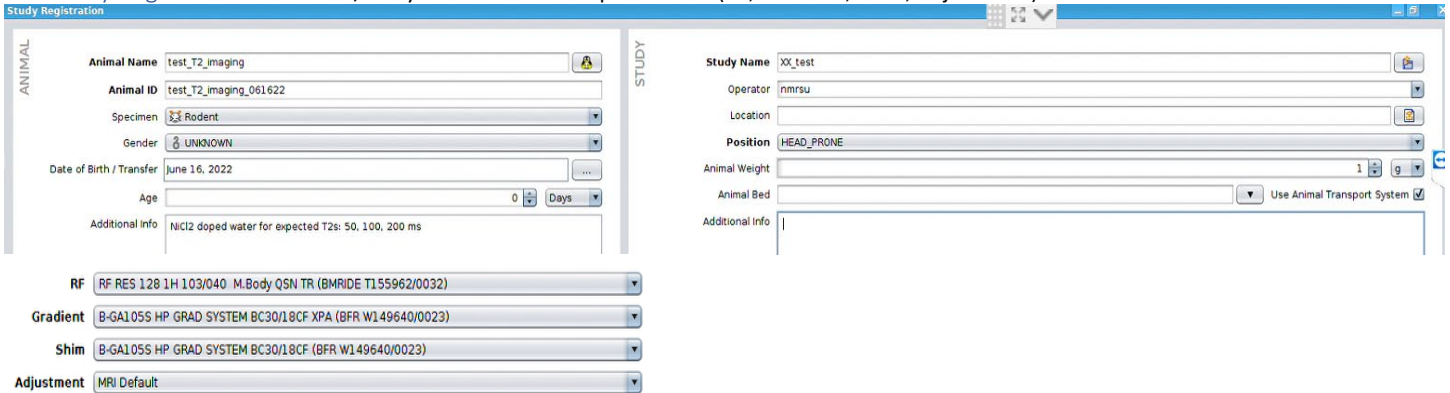


Standard Operating Procedure (SOP) Study Initiation Protocol

1. Start Paravision 360.2.0.pl ("PV" if not open already, by double-clicking desktop icon)
2. Insert animal/sample in cradle (centered, close to mouthpiece)- adjust positioning, then select "MRI"
3. Create New Study: File > New > Study...

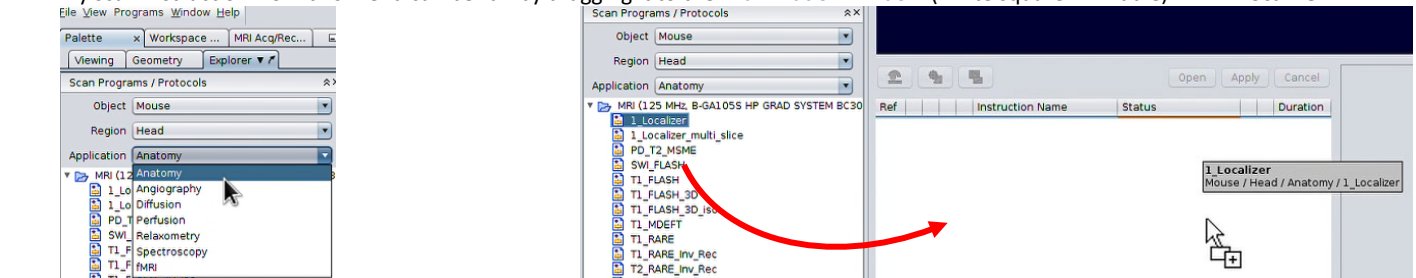


- Study Registration: fill animal/study data & check MRI parameters (RF, Gradient, Shim, Adjustment)



4. Start Exam (Create > Exam)

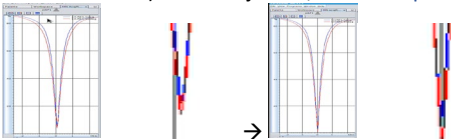
- Palette>Explorer>Scan Programs & Protocols → Adjust Object, Region, Application as needed (e.g., Mouse>Head>X).
- Any scan instruction from this menu can be run by dragging it to the Examination window (white square in middle) → 1st: Localizer



- Tuning & matching: before scan acquisition! "Open the adjustment platform ..." (icon on the left). Double click 'Wobble Adj' > Setup



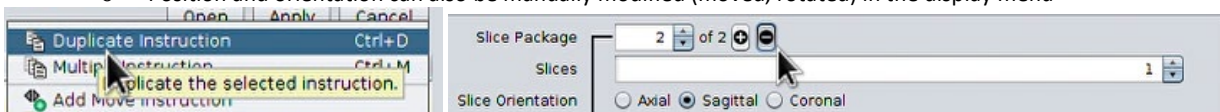
- Wobble can be observed in Acq/Reco Display, goal: fall at zero (manual adjustment of green and yellow rods at the back of the MRI: before → after). Once adjusted, select Stop. Then select Start (wait for green check), then Apply > Back...



5. Localizer > Continue (Status will change from Scheduled → Adjusting → Scanning → Succeeded... once done, it will show in display)



- For additional planning, we can Duplicate Instruction, modify Slice Package (e.g., from 3 to 1, then change number of slices/orientations...)◦ Position and orientation can also be manually modified (moved, rotated) in the display menu



6. Imaging: see specific SOP for more details

7. Back-up & Export of image data (automatically in the large storage drive)

- Additional options to save as raw Bruker files or DICOM or Nifti via Palette > Explorer > right click>'Export to...'>'Topspin'/'Dicom'/'Nifti'....