4/6/18 Object independent MRL analysis GUI Read Dicon into nileView dadosets nodem > 1. nii. gz with without contains. Re-orient MRL images If required, mask image contains, threshold, geometry mark options. Rigid registration to reference image

(CT, MR)

L> Assess registration

Any cropping to ensure no gray patcher
resulting from rigid result with different
input image sizes. 6) Run deformable registration (nifty seg based)

2> have option to change the final
control point grid spacing depending on
application (7) Mask deformation felol as may be required for analysis: - patient contain - Subsection of phantom volume (8) Import deformation feld data into matlab to:
- Convert x, y, z voxels into dist from iso
- Calculate total distol distortion in 3D. - Calculate max mean min & std clev