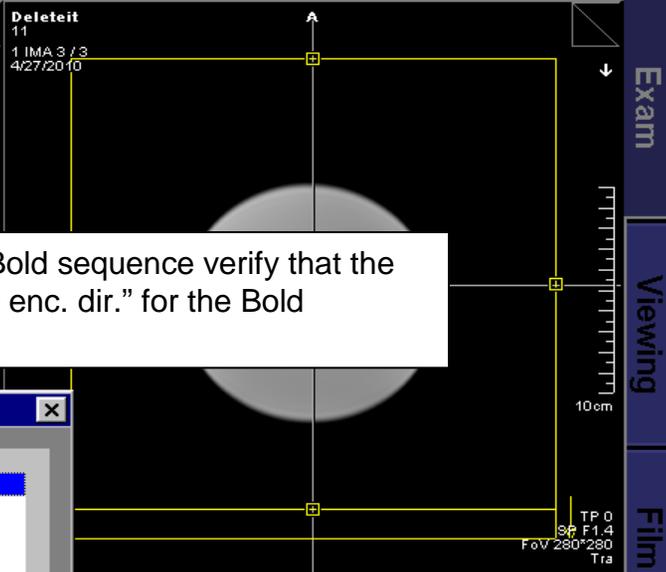
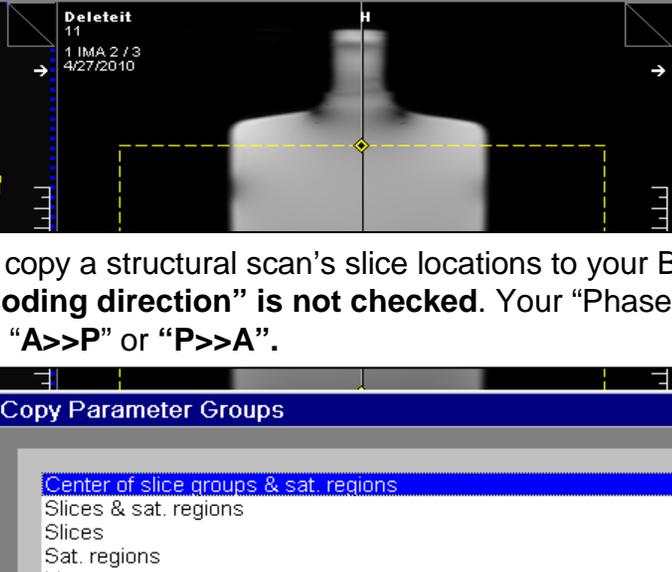
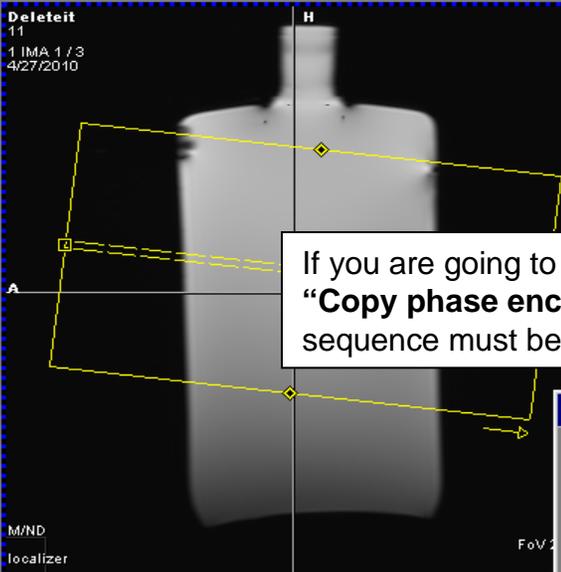


Checking Phase Encode Direction

Checking Phase Encode Direction

- Checking your phase encode direction before initiating the scan will prevent additional scan times and/or unusable data.
- The phase encode direction must be A>>P or P>>A on EPI, Bold, Functional, DTI, ASL, or PASL sequences and not R>>L (or L>>R).
- R>>L will result in severe image distortion and will degrade data quality.



If you are going to copy a structural scan's slice locations to your Bold sequence verify that the **"Copy phase encoding direction"** is not checked. Your "Phase enc. dir." for the Bold sequence must be **"A>>P"** or **"P>>A"**.

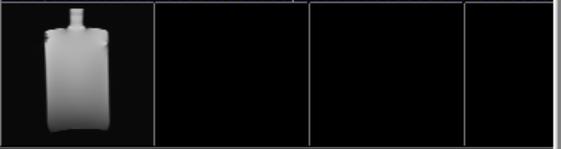
Copy Parameter Groups

- Center of slice groups & sat. regions
- Slices & sat. regions
- Slices
- Sat. regions
- Measurement parameters
- Adjust volume
- Everything
- Table position
- Navigators

Copy phase encoding direction

Steps

OK Cancel Help



Deleteit

Open Apply

1 localizer

2 T2 TSE inplane

3 epi2d_bold POPTask

Orientation T > C-8.7

Phase enc. dir. A >> P

Phase oversampling 0 %

Σ 00:00

Stop Continue Skip

3.4x3.4 mm Rel. SNR: 1.00 : epfid

FoV read 220 mm

FoV phase 100.0 %

Slice thickness 3.4 mm

TR 2000 ms

TE 25 ms

Averages 1

Concatenations 1

Filter None

Coil elements PH

3D

If you copy a structural scan with the "Copy phase encoding direction" checked, the "Phase enc. dir." will be "R>>L" which is incorrect for the Bold sequence. Uncheck the box before clicking "OK" and **verify that the "Phase enc. dir." is "A>>P" or "P>>A"**. Change it if incorrect by click down arrow. Select "A>>P". To change the "Phase enc. Dir." to "P>>A" click on "..." next to the down arrow, and type in "180" and press enter. If the box is uncheck but the "Phase enc. dir." is "R>>L" follow the same procedure.

Copy Parameter Groups

- Center of slice groups & sat. regions
- Slices & sat. regions
- Slices
- Sat. regions
- Measurement parameters
- Adjust volume
- Everything
- Table position
- Navigators

Copy phase encoding direction
 Steps

OK Cancel Help

Slices 36
Dist. factor 0 %
Position LD.3 A51.8 H9.2
Orientation T > C-6.7
Phase enc. dir. R >> L
Phase oversampling 0 %

FoV read 220 mm
FoV phase 100.0 %
Slice thickness 3.4 mm
TR 2000 ms
TE 25 ms
Averages 1
Concatenations 1
Filter None
Coil elements PH