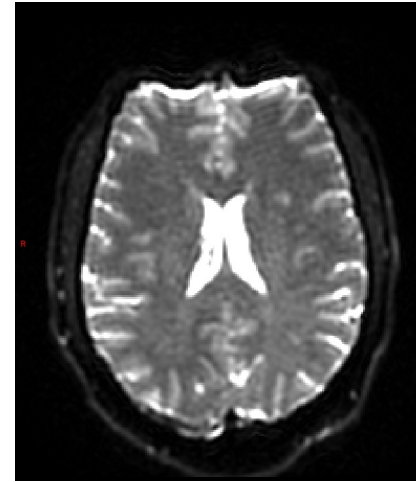


# Phase-encoding polarity (fMRI)

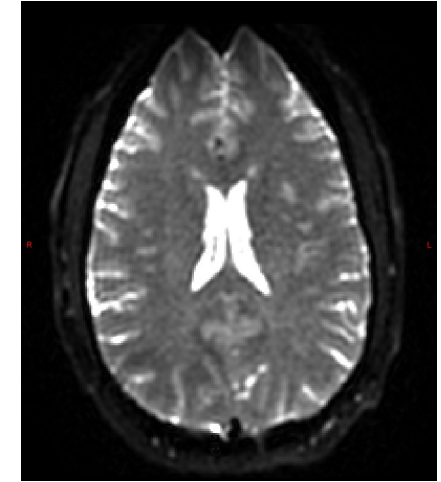
GE DICOM reports phase-encoding polarity since Rx27

BIDS JSON from dcm2niix

Anterior to Posterior (**AP**)



Posterior to Anterior (**PA**)



`"PhaseEncodingPolarityGE":`  
`"PhaseEncodingDirection":`

`"Unflipped"`  
`"-j"`

`"Flipped"`  
`"j"`

CV

pepolar=1

pepolar=0

PSD

Non-HB: **epialt, epiRTalt**  
HB: **epi, epiRT**

Non-HB: **epi, epiRT**  
HB: **epialtoff, epiRTalt**

DICOM (**0018,1312**)  
InPlanePhaseEncodingDirection

DICOM (**0018,9034**)  
Rectilinear Phase Encode  
Reordering

COL

COL

1

REVERSE\_LINEAR

LINEAR

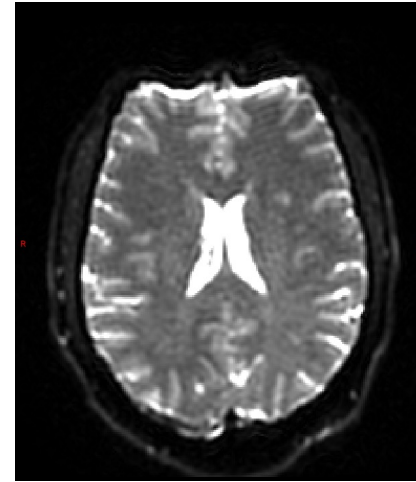


# Phase-encoding polarity (Diffusion)

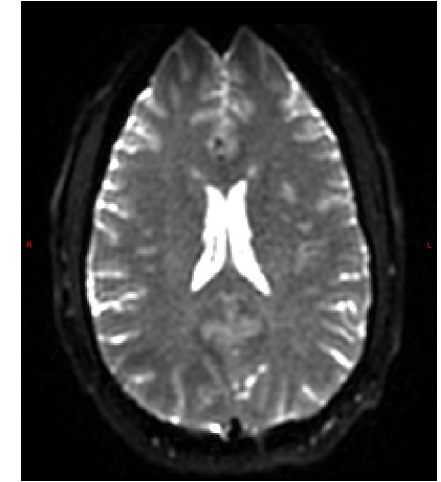
GE DICOM reports phase-encoding polarity since Rx27

BIDS JSON from dcm2niix

Anterior to Posterior (**AP**)



Posterior to Anterior (**PA**)



"PhaseEncodingPolarityGE":  
"PhaseEncodingDirection":

"Unflipped"  
"-j"

"Flipped"  
"j"

CV

PSD

DICOM (0018,1312)  
InPlanePhaseEncodingDirection

DICOM (0018,9034)  
Rectilinear Phase Encode  
Reordering

pepolar=1

Non-HB: **epi2alt, epi2asalt**  
HB: **epi2, epi2as**

COL

2  
REVERSE\_LINEAR

pepolar=0

Non-HB: **epi2, epi2as**  
HB: **epi2alt, epi2asalt**

COL

LINEAR

