

Motion Tracking System

Siemens Magnetom Prisma/Skyra/Vida



TracInnovations' markerless motion tracking system is compatible with



Siemens Magnetom
Prisma, 3T



Siemens Magnetom
Skyra, 3T



Siemens Magnetom
Vida, 3T

- configured with the *Siemens Head/Neck 64 Ch* head coil

Prospective motion correction sequences available for

- ✓ Turbo Field Echo
 - 3D MPRAGE
- ✓ Turbo Spin Echo – Variable Flip Angle
 - 3D T2 SPACE
 - 3D T2 SPACE FLAIR
- ✓ Turbo Spin Echo
 - 2D multi-slice T2 FLAIR
 - 2D multi-slice T1 FLAIR
- ✓ Gradient Echo
 - 2D multi-slice GRE/FLASH
 - 3D GRE/FLASH (for research only)

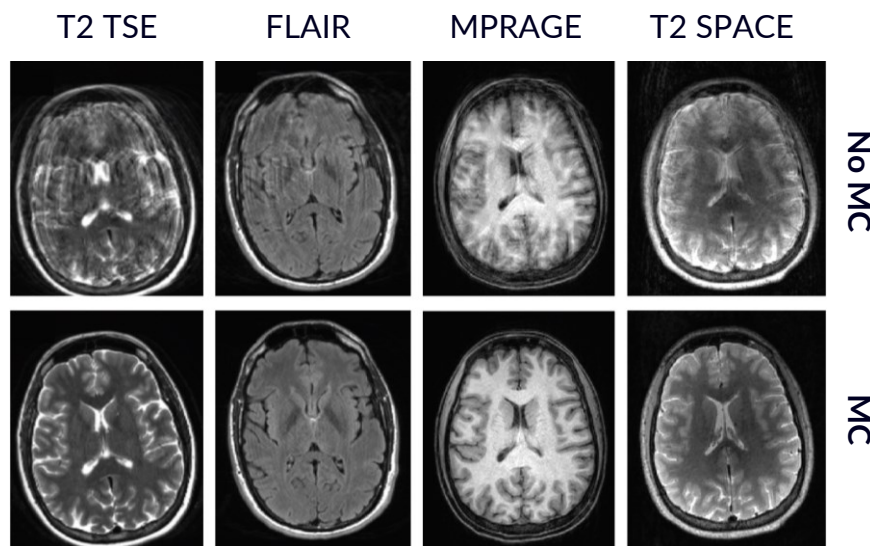
Tracoline and TracSuite are the ideal tools for

- ✓ Motion tracking
- ✓ Prospective motion correction



Motion correction (for research only)

TracInnovations' markerless motion tracking system has been successfully demonstrated for motion correction (MC) on 3T MRI scanners from Siemens



MC of MRI sequences. Images provided by Dr Robert Frost, Athinoula A. Martinos Center, Mass. General Hospital, Harvard Medical School (Frost et al, Magn. Reson. Med. 2019 and ISMRM 2019)

MC sequence features

- ✓ No alteration of sequence timing
- ✓ Compatible with wide range of brain sequences
- ✓ Easy setup, single additional exam parameter: MC On/Off

in collaboration with
Athinoula A. Martinos Center

TracInnovations presents a unique solution that potentially provides



Better diagnosis and treatments
Improved images and no need for sedation



Lower cost
Fewer rescans and shorter scan times



Simple and automated workflow
No added scan time and no patient preparation