

Magnetic Resonance Innovations

"Your partner in brain image analysis"

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STAGE Imaging

Strategically Acquired Gradient Echo (STAGE) can image the whole brain and its vasculature in 9 minutes.

Features:

* Co-registered T1W, PDW, T1 MAP, PD MAP, R2* MAP, SWI, tSWI, MRA and SWIM with a resolution of 0.67mmx1.33mmx2.0mm and with 64 partitions.

- B1: TE=7.5ms/17.5ms, FA=6 degrees, 2.5 minutes
- B2: TE=8.75ms/18.75ms, FA=24 degrees, 2.5 minutes
- B3: TE=2.5ms/12.5ms (RP)/12.5MS (DP), FA=12 degrees, 4 minutes

* Complemented by a T2 FLAIR image and by a DWI scan, a total of 12 minutes for the brain protocol.

* Allows for separation of arteries and veins.

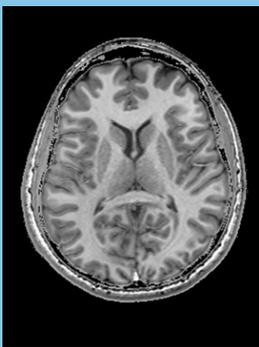
* Allows for brain structure segmentation with homogeneous STAGE-enhanced T1W and QSM

* Data Processing done by SPIN software from MR Innovations.

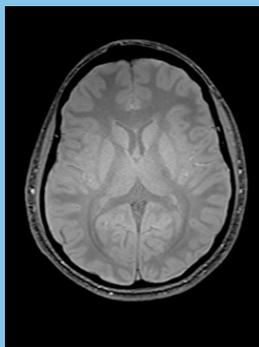
STAGE 2 Protocol

9 minutes total scan time:

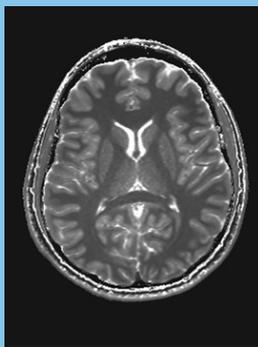
STAGE-T1W



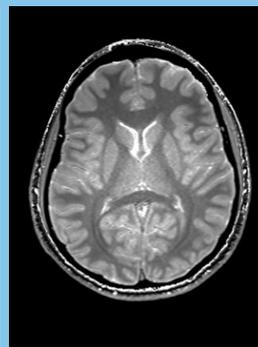
PDW



T1 MAP

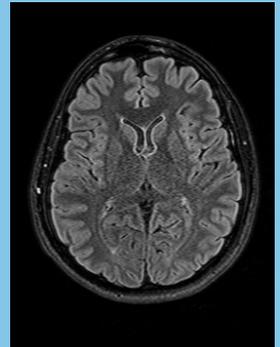


PD MAP

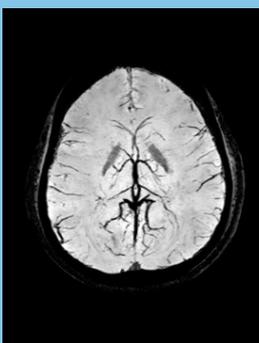


Add 3 more minutes:

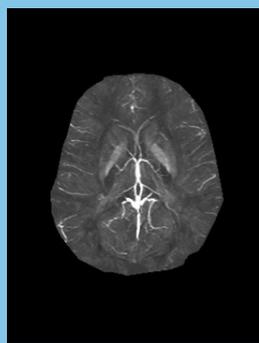
T2 FLAIR



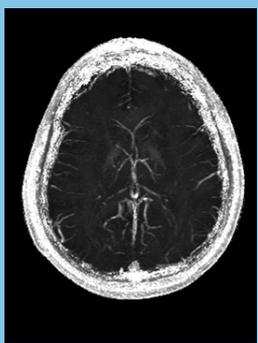
tSWI



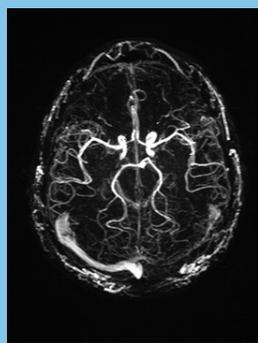
SWIM (QSM)



R2*MAP



MRA



ADC MAP

