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Experience:

1980 B.S. National Tsinghua University

1987 M.D. National Taiwan University

1998 Ph.D. Massachusetts Institute of Technology

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Market Needs:

Diffusion weighted imaging (DWI) is sensitive to patient motion. Patient motion during prolonged acquisitions of diffusion gradients would lead to signal dropouts of the DWI. Signal Dropouts may cause non-negligible effect in group comparison or FA calculation. Based on above reasons, market needs a method to correct signal dropouts well.

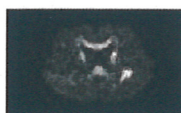
Our Technology:

To address these problems, we develop a postprocessing algorithm to correct signal dropouts of the DWI. With this algorithm, we can reconstruct the image which is similar to the dropout one.

Original



Corrected



Strength:

This is the first research to correct signal dropout by postprocessing algorithm. This method can correct DWI after scan and it's inexpensive, convenience and without additional hardware and software.

Competing Products:

Diffusion Imaging With Prospective Motion Correction and Reacquisition ·

Benner et al. (2011) Magnetic Resonance in Medicine

Intellectual Properties:

This method is established in April 2016 and will submit an abstract to ISMRM 25th annual meeting in November 2016.

Contact (do not need to fill out):

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