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Diffusion tensor imaging beyond brains: applications in abdominal and pelvic organs

3 Yu-Ting Wang, Ying-Chun Li, Wei-Fang Kong, Long-Lin Yin, Hong Pu

**Abstract**

Functional magnetic resonance imaging (MRI) provided critical functional information in addition to the anatomic profiles offered by conventional MRI, and has been enormously used in the initial diagnosis and followed evaluation of various diseases. Diffusion tensor imaging (DTI) is a newly developed and advanced technique that measures the diffusion properties including both diffusion motion and its direction in situ, and has been extensively applied in central nerve system with acknowledged success. Technical advances have enabled DTI in abdominal and pelvic organs. Its application is increasing, yet remains less understood. A systematic overview

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