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Abdomen 1

SY02-4

Advances in Pulse Sequences for Accelerated Liver MRI

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Liver motion causes image artifacts as MRI is a motion sensitive imaging modality; thus, MRI scan speed improvement has been an important technical development target for decades. Recent pulse sequence technology advancement accelerates liver MRI acquisition time. Such new technologies enable us to acquire liver MR images within breath-holding time. Scan time acceleration can be used to improve spatial resolution within a given scan time, that leads to improved slice coverage and smaller pixel size. In this lecture, technical advancement of liver imaging in the past two decades was reviewed, and MRI pulse sequence technical advancement to accelerate scan speed for T1-weighted liver MRI will be discussed.

Keywords: *Liver MRI, Pulse sequence technology*