MR SOLUTIONS

Imaging INNOVATION

MR Solutions Pulse Sequence Library

Spin Echo Based Sequences

- **2D Spin Echo Sequence**
  - T1, T2 weighted
  - Flow compensation
  - Single- and multi-angle oblique
  - Pre-saturation bands
  - MTC pulse option
  - Inversion Recovery sequence
  - Diffusion Weighted sequence
  - 3 point DIXON method sequence

Fast Sequences

- **Fast Spin Echo sequence**
  - T1, T2 weighted
  - Flow compensation
  - Partial k-space option
- **Single-shot Fast Spin Echo sequence**
- **Fast Spin Echo 3D sequence**
  - T1, T2 weighted
  - Flow compensation
- **Fast Inversion Recovery sequence**
- **Fast Dual Spin Echo sequence**
- **Multi-Echo-Multi-Slice sequence**
- **Rapid acquisition with gradient echo sequence**

EPI Sequences

- EPI Gradient Echo based sequence
- EPI Spin Echo based sequence
- Multishot EPI sequence
- Diffusion Weighted EPI sequence
- Diffusion Tensor Imaging EPI sequence
- EPI Gradient Echo based sequence

Magnetic Resonance Angiography

- **2D Time of Flight Sequence**
  - Flow compensation
  - Travelling pre-saturation bands
  - MTC pulse option
- **3D Time of Flight Sequence**
  - Flow compensation
  - MOTSA option
  - Travelling pre-saturated bands
  - MTC pulse option
- **Phase Contrast gradient echo based sequence**

Information and specifications are subject to change without notice.

Gradient Echo Based Sequences

- **2D Gradient Echo Sequence**
  - In-and opposed phase
  - Flow compensation
  - Spoiled
  - Fully rewound
  - T2, T2*weighted
  - T2* mapping
- **3D Gradient Echo Sequence**
  - In-and opposed phase
  - Flow compensation
  - Pre-saturated bands
  - MTC pulse option
  - Spoiled
  - Fully rewound
  - T2, T2*weighted

Bulk Spectroscopy Sequences

- **CPMG sequence**
- **Inversion Recovery sequence**
- **Saturation Recovery sequence**

IVS Sequences

- STEAM spectroscopy sequence
- Point resolved spectroscopy sequence
- Chemical Shift Imaging sequence
- Fat/Water suppression sequence
- ISIS sequence with OVS
- ISIS setup sequence – for 180°pulses
- GE- FID
- EPSI
- EPSI - FLYBACK

Data Processing

- **Acquisition Modalities**
  - Single RX
  - Phased Array/Multiple RX
- **Reconstruction**
  - 2D FFT
  - 3D FFT
  - Phased array
  - Single voxel spectroscopy
  - Enhanced Adaptive Filtering (optional)
  - SENSE
  - Image stitching
  - T1 & T2 maps