**Supplemental digital content Table 1**

Sequence parameters for MRCP at 1.5 and 3 Tesla in phantom study.

STD\_MRCP: Standard magnetic resonance cholangiopancreatography, CS\_MRCP: Compressed-sensing-accelerated magnetic resonance cholangiopancreatography, CS\_BH\_MRCP: Compressed-sensing-accelerated magnetic resonance cholangiopancreatography in one breath-hold

|  |  |  |
| --- | --- | --- |
|  | **1.5 Tesla** | **3 Tesla** |
| **Sequence** | **STD\_MRCP** | **CS\_MRCP** | **CS\_BH\_MRCP** | **STD\_MRCP** | **CS\_MRCP** | **CS\_BH\_MRCP** |
|  |  |  |  |  |  |  |
| TR (ms) | 4000 | 4000 | 1700 | 4000 | 4000 | 1700 |
| TE (ms) | 701 | 703 | 457 | 700 | 703 | 460 |
| Flip angle (deg) | 110 | 110 | 110 | 140 | 140 | 140 |
| BW (Hz/Px) | 383 | 383 | 504 | 383 | 383 | 504 |
| Turbo Factor | 280 | 280 | 207 | 280 | 280 | 230 |
| Matrix | 384x384 | 384x384 | 320x256 | 384x384 | 384x384 | 320x256 |
| Phase Oversampling (%) | 0 | 0 | 0 | 0 | 0 | 0 |
| Phase Resolution (%) | 100 | 100 | 80 | 100 | 100 | 80 |
| Fov (mm2) | 384x384 | 384x384 | 384x384 | 384x384 | 384x384 | 384x384 |
| Slice number | 96 | 96 | 80 | 96 | 96 | 80 |
| Slice Oversampling (%) | 25 | 200 | 200 | 25 | 200 | 200 |
| Slice Resolution (%) | 100 | 100 | 50 | 100 | 100 | 50 |
| Slice thickness (mm) | 1 | 1 | 1.2 | 1 | 1 | 1.2 |
| Grappa factor | 3 | na. | na. | 3 | na. | na. |
| Sampling factor | - | 0.05 | 0.036 | - | 0.05 | 0.036 |
| Averages | 1.5 | 1.9 | 1.4 | 1.5 | 1.9 | 1.4 |
| Fat Suppression | SPAIR | SPAIR | SPAIR | SPAIR | SPAIR | SPAIR |
| Voxel size (mm3) | 1.0x1.0x1.0 | 1.0x1.0x1.0 | 1.2x1.5x2.4 | 1.0x1.0x1.0 | 1.0x1.0x1.0 | 1.2x1.5x2.4 |
| Voxel size (reco) (mm3) | 0.5x0.5x1.0 | 0.5x0.5x1.0 | 0.6x0.75x1.2 | 0.5x0.5x1.0 | 0.5x0.5x1.0 | 0.6x0.75x1.2 |
| Regularization Factor |  | 0.002 | 0.004 |  | 0.002 | 0.004 |
| Iterations |  | 20 | 20 |  | 20 | 20 |