


| | |
|---|--|
|  University Health™ | Policy #: Rad Proc 14. 14 .6 |
| SUBJECT: MRV BAIN | Effective: 10/1/2013 Reviewed: 5/2015; 2/2017 |
| APPROVED BY: : Eduardo Gonzalez-Toledo, MD PhD | Page 1 of 2 |


Purpose: To provide MRI staff with approved protocol for performing an adult MRV brain.

ORIENTATION: HEAD FIRST/SUPINE

Coil: HNS HEAD/STANDARD HEAD

EXAM: MRV BRAIN

| | | | | |
|--------------------|-----------|-------------|-------------------------|---------------|
| PLANE | 3 PLN LOC | CALIBRATION | SAG InHance 3D Velocity | OP COR 2D MRV |
| SEQ | GRE | GRE | Inhance Velocity | VASC TOF SPGR |
| MODE | 2D | 2D | 3D | 2D |
| IMAGING OPTIONS | SEQ/FAST | FAST/CALIB | ZIP2/ASSET | FC/SEQ |
| TE | | | MIN | MIN |
| TR | | | MIN | MIN |
| FLIP ANGLE | | | 10 | 70 |
| ETL | | | | |
| BW | | | 20.83 | 15.63 |

| | |
|--|--|
|  University Health™ | Policy #: Rad Proc 14. 14 .6 |
| SUBJECT: MRV BAIN | Effective: 10/1/2013 Reviewed: 5/2015; 2/2017 |
| APPROVED BY: : Eduardo Gonzalez-Toledo, MD PhD | Page 2 of 2 |

| | | | | |
|-----------------|--------|------|-------------|------|
| FOV | 24 | 30 | 24 | 22 |
| SLICE THICKNESS | 5 | 6 | 1.4 | 2 |
| SLICE SPACING | 5 | 0 | LOCS/SL 124 | 0 |
| Frequency | 256 | | 320 | 256 |
| Phase | 128 | | 256 | 160 |
| NEX | 1 | | | 1 |
| PHASE FOV | 1 | | 0.90 | 0.75 |
| FREQ DIR | UNSWAP | R/L | S/I | S/I |
| FLOW COMP DIR | | | | |
| SHIM | AUTO | AUTO | AUTO | AUTO |
| PHASE CORRECT | OFF | OFF | OFF | OFF |

Note: Additional sequences may be requested at the discretion of the Radiologist monitoring the exam.

NOTES: 2D MRV: INFERIOR SAT.

SAG INHANCE 3D VELOCITY: # of collapse images: on # of projection images 19

Flow analysis: all

Additional flow images: 8

Flow recon type: complex diff.

Venc: 25