**Y MRI: Everything You Wanted to Know about New Meriter MRI Protocols (2019) – Cheat Sheet**

**Radiologist Availability at Meriter Hospital**

* Radiologists are available on site at Meriter Hospital, 24 hours a day, 7 days a week, 365 days.
* **Any after-hours MRI should be discussed with the on-call Radiologist for appropriate triaging and protocolling.**
* Please call the reading room: x7-5945 or page directly via the paging operator.

**MRI Technologist Availability at Meriter Hospital**

* Weekdays: MRI Technologists are available in-house at Meriter from 630 AM – 10 PM, then are available on-call from 10 PM – 630 AM.
* Weekends: MRI technologists are available in-house from 7 AM – 330 PM in house, and then available on call from 330 PM – 7 AM.
* MRI Department Contact Info: x7-6655 (available during in-house hours) or page directly via operator (on-call).
* Ideally, workflow will maximize MR imaging when MR techs are in house and save on-call MRI cases for true emergencies.

**How to get Patient Ready for MRI**

* Please get **MRI Screening Form** started immediately by ancillary staff as soon as MRI is ordered.
* Please make sure that **relevant lab work (**GFR, creatinine) and **IV vascular access** are available (if patient is receiving contrast for MRI)
* Please make sure plan is in place in case patient is receiving **medication to tolerate MRI** (for anxiety, claustrophobia, or pain, etc).

**New MRI Protocols for 2019**

**MRI Quick Hip (Study Order Number: IMG1410)**

* Hours Offered: 630 AM - 10 PM (in-house MRI technologist coverage)
* Target Patient Population: Patients with negative hip x-rays and/or CT with high clinical suspicion for hip fracture, osteopenic patients.
* Exam Duration: 15-20 minutes
* Need For MRI Contrast: No
* Other Imaging Options: Noncontrast CT

**MRA Chest: Non-Pregnant Patients and Patients not allergic to MRI Contrast (Study Order Number: IMG1914)**

* Hours Offered 630 AM - 10 PM
* Target Patient Population: Younger patients (< 40), particularly female patients. Patients allergic to CT iodinated contrast (and cannot wait for CT premedication protocol), patients with impaired renal function (GFR < 30) who are not on dialysis
* Need for MRI Contrast: Yes (Gadolinium)
* Exam Duration: 25-30 minutes
* Other Imaging Options: V/Q scan, CTA chest

**MRA Chest (Pregnant Patients and Patients allergic to MRI and CT contrast)**

* Hours Offered: 630 AM - 10 PM
* Target Patient Population: Pregnant Patients and patients who cannot receive MRI/CT contrast
* Need for MRI Contrast: Yes. Will use **iron-based ferumoxytol agent** which MUST be ordered by the ordering provider and administered on the floor (patient should have vitals prior to injection, and then 30 and 90 minutes post injection)
* Exam Duration: 15 minutes
* Other Imaging Options: V/Q Scan, CTA Chest (with premedication, if necessary)

**MRI for Acute Appendicitis for NON-PREGNANT patients (Study Order Number : IMG291)**

* Hours Offered: 630 AM to 5 PM
* Target Population: Younger patients (ages 11-40), pregnant patients, patients who do not have contraindications to MRI
* Need for MRI Contrast: Yes ONLY for non-pregnant patients (pregnant patients will NOT receive contrast)
* Exam Duration: 20 minutes non-contrast MRI, 30 minutes contrast-enhanced MRI.
* Other imaging options: US (pregnant/pediatric patients), CT (with premedication, if necessary)

**MRI for Acute Appendicitis for PREGNANT patients (Study Order Number : IMG291)**

* Hours Offered: 630 AM to 5 PM
* Target Population: Pregnant patients
* Need for MRI Contrast: NO (Pregnant patient’s cannot receive Gadolinium/Ferumoxytol will not be useful)
* Exam Duration: 20 minutes non-contrast MRI, 30 minutes contrast-enhanced MRI.
* Other imaging options: US (pregnant/pediatric patients), CT

**MRI Brain for Diagnosis of Stroke**

* Hours Offered: 630 AM to 5 PM (preferred)
* Target Population: Patient with equivocal results on CTA Head/Neck and CT Perfusion
* Need for MRI Contrast: Optional, but will extend scan time
* Exam Duration: 20 minutes non-contrast MRI, 30 minutes contrast-enhanced MRI.
* Other imaging options: CTA Head/Neck with Perfusion

For any questions regarding this document or the protocols, please contact Dr. Venkata (Vinny) Meduri at vmeduri@uwhealth.org or discuss with the in-house Radiologist at Meriter.