



## Ultrasound Quick Reference Guide

### **Non-Specialized Exams**

#### **Upper Abdomen ( Please order CT Abdomen to rule out**

Common Dx: Right/Left Upper Quadrant Pain, Cirrhosis, Elevated LFTs/Liver issues

Prep: NPO (nothing to eat or drink) 8 hours prior

#### **Abdominal Aorta**

Common Dx: AAA, AAA screening, aneurysm, calcifications

Prep: NPO (nothing to eat or drink) 8 hours prior

#### **Renal/Bladder**

Common Dx: Flank pain, UTI, kidney stones, frequency, incontinence, renal cyst

Prep: NPO (nothing to eat or drink) 2 hours prior, 24oz of water 1 hour prior arrive w/ full bladder

**Special Note: If the diagnosis is Hypertension, the exam should be a Renal Artery Doppler**

#### **Pelvic**

Common Dx: Right/Left Lower Quadrant Pain, Pelvic Pain, Ovarian Cyst, Abnormal Bleeding

Prep: 24oz of water 1 hour prior arrive w/ full bladder

#### **Bladder (No Volumes or Pre/Post)**

Common Dx: Urinary pain, incontinence, frequency

Prep: 24oz of water 1 hour prior arrive w/ full bladder

#### **Thyroid**

Common Dx: Thyromegaly, thyroid nodule, hypo/hyperthyroidism

Prep: None

#### **Head/Neck**

Common Dx: Mass of neck, neck pain, lymphadenopathy

Prep: None

#### **Carotid**

Common Stenosis, bruit, calcifications

Prep: None

**Precert:** Requires precert check prior to scheduling

## **Hernia**

Common Dx: Groin pain/mass, inguinal hernia, hernia repair

Prep: None

## **Venous (DVT) Unilateral (one extremity)**

Common Dx: Leg pain/swelling, arm pain/swelling, blood clot/DVT

Prep: None

## **Venous DVT Bilateral (both legs or both arms)**

Common Dx: Leg pain/swelling, arm pain/swelling, blood clot/DVT

Prep: None

## **STAT DVTS - ALL STAT OR EMERGENT DVT'S NEED TO BE ORDERED VIA PHONE AND FALL WITHIN THE ACR GUIDELINES BELOW**

### **Thrombosis – Lower Extremities**

- Transverse gray scale with & without compression images
- Common femoral vein
- Saphenofemoral junction
- Proximal profunda femoris vein
- Femoral vein – proximal, mid and distal
- Popliteal vein
- Longitudinal color and/or spectral Doppler waveform images
- Saphenofemoral junction
- Proximal profunda femoris vein
- Femoral vein – proximal, mid and distal
- Spectral Doppler wave form demonstrating spontaneous flow and respiratory phasicity
- Common femoral vein or external iliac vein
- Popliteal vein
- Calf veins as clinically indicated

### **Thrombosis – Upper Extremities**

- Transverse gray scale without and with compression images
- Internal jugular vein
- Axillary vein
- Brachial vein Basilic vein to the level of the antecubital fossa
- Cephalic vein to the level of the antecubital fossa
- Longitudinal gray scale images
- Internal jugular vein

- Subclavian vein
- Axillary vein
- Brachial veins
- Longitudinal color Doppler images
- Internal jugular vein
- Subclavian vein
- Axillary vein
- Brachial veins
- Spectral Doppler wave form images
- Internal jugular vein bilaterally
- Subclavian vein - bilaterally
- Axillary vein
- Brachial veins

**There may be other things of clinical concern such as; extremity (non-vascular) or a hernia/groin ultrasound, popliteal cysts, knee joint effusions, soft tissue lump, mass, abscess, adenopathy or hernia that need to be evaluated. In this case, we NEED you to send an additional order which will be scheduled as routine and not STAT. This is due to the need for additional room time, sonographer time, additional images and documentation that all need to occur. And depending on the complexity of the exam may also need the radiologist to be involved.**

## **Breast Ultrasound**

### **Breast**

Common Dx: Breast pain, breast nodule/mass

Prep: None

**Location: Derry or Bedford only**

**Protocol: If female patient age 35 and older or a male patient, and no mammogram in last 6 months, needs diagnostic bilat mammogram first followed by breast US. If female patient age 34 and younger only schedule the breast US.**

### **Axilla**

Common Dx: Axillary pain, axillary mass

Prep: None

**Location: Derry or Bedford only**

**Protocol: If female patient age 35 and older, and no mammogram in last 6 months, needs diagnostic bilat mammogram first followed by axilla US. If female patient age 34 and younger or a male patient, only schedule the axilla US.**

## **Vascular Ultrasound**

### **ABI W/ OR W/O Exercise**

Common Dx: Peripheral Vascular Disease (PVD), Peripheral Arterial Disease (PAD), Leg Pain

Prep: None

**Technologist: Vascular (Deb O'Sullivan or Ann Smith)**

**Precert: Requires precert check prior to scheduling**

### **Arterial Duplex (Unilateral, Bilateral, Upper/Lower Extremity)**

Common Dx: Peripheral Vascular Disease (PVD), Peripheral Arterial Disease (PAD), Edema

Prep: None

**Technologist: Vascular (Deb O'Sullivan or Ann Smith)**

**Precert: Requires precert check prior to scheduling**

### **Venous Insufficiency**

Common Dx: Peripheral Vascular Disease (PVD), Peripheral Arterial Disease (PAD), Leg Pain, Edema, Venous Insufficiency

**Technologist: Vascular (Deb O'Sullivan or Ann Smith)**

**Precert: No precert check required**

### **Renal Artery Doppler**

Common Dx: Hypertension

Prep: Nothing to eat or drink (NPO) 8 hours prior to exam

**Technologist: Vascular (Deb O'Sullivan or Ann Smith)**

## **Musculoskeletal (MSK) Ultrasound**

**Extremity/Misc for MSK issues (tendons, muscles, etc.)**

Common Dx: Muscle/tendon strain or tear, muscle pain

Prep: None

**Radiologist: Dr. Sherman or Dr. Tauro (MSK rads)**

**Location: Derry or Bedford**

**Extremity/Misc for Feet**

Common Dx: Plantar fasciitis, Neuroma, heel pain

Prep: None

**Technologist: Denise Raney or Ann Smith only**

**Obstetrical Ultrasound****OB 1st Trimester**

Common Dx: Supervision of pregnancy, size-date discrepancy, pregnancy

Prep: 24oz of water 1 hour prior arrive w/ full bladder

**OB 2nd/3rd Trimester**

Common Dx: Supervision of pregnancy, size-date discrepancy, pregnancy

Prep: None Scheduling Protocol: Specify on comment line if office wants Fetal Survey, Post Term Scan,

**Location: Bedford only**