

# ULTRASOUND PROTOCOLS



Reviewed: 01/29/22; 10/30/20

## Upper Extremity Venous (UEV) Ultrasound Protocol Guideline

<b>Indication</b>	Pain, swelling, redness
<b>Prep</b>	Patient Supine
<b>Special Instruction</b>	None
<b>Procedure</b>	<p><b>Transverse Grayscale (w/ and w/out compression)</b></p> <ul style="list-style-type: none"><li>• Jugular vein (upper and lower)</li><li>• Subclavian vein</li><li>• Axillary vein</li><li>• Brachial veins (prox and distal)</li><li>• Basilic vein (upper arm and forearm)</li><li>• Cephalic vein (upper arm and forearm)</li><li>• Radial and Ulnar veins</li></ul> <p><b>Color Doppler and Spectral Doppler</b></p> <ul style="list-style-type: none"><li>• Lower jugular vein</li><li>• Brachiocephalic vein</li><li>• Subclavian vein (medial to clavicle)<ul style="list-style-type: none"><li>○ Note: Spectral Doppler must be done bilaterally even if doing unilateral study</li></ul></li><li>• Axillary vein (lateral to clavicle)</li><li>• Brachial veins</li></ul> <p><b>Additional images</b></p> <ul style="list-style-type: none"><li>• Image areas of focal tenderness</li><li>• Document location and extent of any thrombus with grey scale, color, and spectral Doppler</li></ul>