

# ULTRASOUND PROTOCOLS



## 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>