

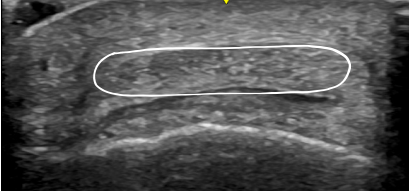
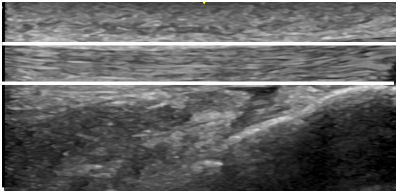
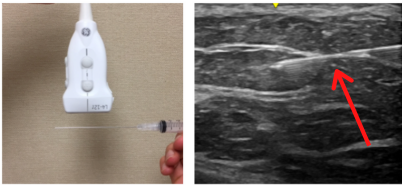
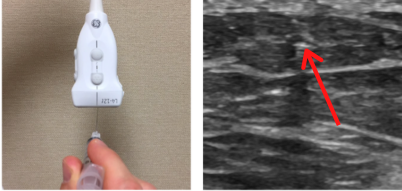


# Probe Considerations

	<p>linear</p>	<ul style="list-style-type: none"> <li>-higher frequency</li> <li>-superficial structures</li> <li>-more narrow field of view</li> <li>-better resolution</li> </ul>
	<p>curved</p>	<ul style="list-style-type: none"> <li>-lower frequency</li> <li>-deeper structures</li> <li>-wider field of view</li> <li>-poorer resolution</li> </ul>
	<p>short-axis</p>	<ul style="list-style-type: none"> <li>-visualize structure in cross-section</li> </ul>
	<p>long-axis</p>	<ul style="list-style-type: none"> <li>-visualize along the length of the structure</li> </ul>
	<p>in-plane</p>	<ul style="list-style-type: none"> <li>-can visualize entirety of needle</li> <li>-needle parallel to probe = more sound waves bounded back = better able to see needle</li> </ul>
	<p>out-of-plane</p>	<ul style="list-style-type: none"> <li>-only able to see portion of needle that is directly under probe</li> <li>-needle looks like hyperechoic dot</li> </ul>