Show non-angle corrected color Doppler images with velocities:

1. R/L middle cerebral artery (MCA),
2. R/L anterior cerebral artery (ACA),
3. R/L posterior cerebral artery (PCA),
4. R/L vertebral artery (VERT), and
5. Basilar artery.

Follow arteries as distal as possible and record highest time average peak velocity (TAP) and pulsatility Index (PI) on Transcranial Doppler Worksheet.

Calculate Lindegaard Ratio (LR) for MCAs and ACAs and document on Worksheet.
INDICATIONS

DATE/TIME

SONOGRAPHER

Right ACA: ______ / ______  
Left ACA: ______ / ______

Right MCA: ______ / ______  
Left MCA: ______ / ______

Right PCA: ______ / ______  
Left PCA: ______ / ______

Basilar: ______ / ______

Right Vertebral L: ______ / ______  
Left Vertebral L: ______ / ______

Right Distal ICA: ______ / ______  
Left Distal ICA: ______ / ______

Right LR = MCA/ICA = ________  
Left LR = MCA/ICA = ________

Right LR = ACA/ICA = ________  
Left LR = ACA/ICA = ________

TAP and Pulsatility Index

<table>
<thead>
<tr>
<th>Vessel</th>
<th>Mean Velocity (cm/sec)</th>
<th>Depth from Probe (mm)</th>
<th>Flow Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCA (M1)</td>
<td>62 ± 12</td>
<td>40 - 60</td>
<td>Towards</td>
</tr>
<tr>
<td>ACA (M1)</td>
<td>50 ± 12</td>
<td>65 - 75</td>
<td>Away</td>
</tr>
<tr>
<td>ICA</td>
<td>Varies</td>
<td>65</td>
<td>Towards</td>
</tr>
<tr>
<td>PCA (P1)</td>
<td>42 ± 10</td>
<td>65 - 75</td>
<td>Towards</td>
</tr>
<tr>
<td>PCA (P2)</td>
<td>40 ± 10</td>
<td>60 - 70</td>
<td>Away</td>
</tr>
<tr>
<td>Vertebral</td>
<td>36 ± 10</td>
<td>60 - 85</td>
<td>Away</td>
</tr>
<tr>
<td>Basilar</td>
<td>39 ± 10</td>
<td>&gt; 85</td>
<td>Away</td>
</tr>
</tbody>
</table>

SONOGRAPHER CONFIRMATION: My signature confirms that instructions have been provided to the conscious patient regarding this exam, that US utilizes sound waves rather than ionizing radiation, and that coupling gel is used to improve the quality of the exam.

Sonographer’s Signature

FMC  KMC  CMC  TMC  NHSC
KIC  MIC  PI  TI
MFP  SFP  Other

US Transcranial Doppler Worksheet