Aorta

1. Long images of aorta (prox, mid, and dist) with AP measurements.
2. Trans images of aorta (prox, mid, and dist) with R/L measurements.
3. Long images of R/L common iliac arteries with AP measurements.
4. Trans images of common iliac arteries with R/L measurements.
5. Mid-aorta color Doppler image with velocity measurement.
6. IVC long image. Include AP measurement if over 3.75 cm.
7. Longitudinal measurement of each kidney.

Document plaque, mural thrombus formations, and arrhythmias. Document tortuosity when significant.

**Abdominal Aorta/Common Iliac Interpretation Criteria**

**Velocity Criteria**

<table>
<thead>
<tr>
<th>Velocity Criteria (compared to Normal Segment)</th>
<th>% Stenosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 2x velocity elevation at stenosis</td>
<td>0 - 49</td>
</tr>
<tr>
<td>2x – 3x velocity elevation at stenosis</td>
<td>50 - 74</td>
</tr>
<tr>
<td>&gt; 3x velocity elevation at stenosis</td>
<td>75 - 99</td>
</tr>
</tbody>
</table>

**Size Criteria**

- Area above celiac axis: aneurysmal if > 3.9 cm in males and > 3.1 in females.
- Infrarenal abdominal aorta: aneurysmal if ≥ 3 cm in diameter or ≥ 1.5 times diameter of proximal aorta.
- Ectatic abdominal aorta: 2.5 - 2.9 cm cross-sectional dimension.
- Common iliac artery: aneurysmal if ≥ 2.0 cm cross-sectional dimension.
- Ectatic common iliac artery: 1.5 - 1.9 cm cross-sectional dimension.
## INDICATIONS

<table>
<thead>
<tr>
<th>PROX (cm)</th>
<th>DATE/TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid (cm)</td>
<td></td>
</tr>
<tr>
<td>Dist (cm)</td>
<td></td>
</tr>
<tr>
<td>Right Common Iliac (cm)</td>
<td></td>
</tr>
<tr>
<td>Left Common Iliac (cm)</td>
<td></td>
</tr>
</tbody>
</table>

### Additional Findings/Limitations

- **Prox (cm)**: X __________ X __________
  - AP
  - Trans
- **Mid (cm)**: X __________
  - AP
  - Trans
- **Dist (cm)**: X __________
  - AP
  - Trans
- **Right Common Iliac (cm)**: X __________
  - AP
  - Trans
- **Left Common Iliac (cm)**: X __________
  - AP
  - Trans

### Aortic PSV (cm/s)

- **IVC**
  - Normal
  - Dilated
  - Occluded

### Right Kidney (cm)

- Long

### Left Kidney (cm)

- Long

## Comments

**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

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**US Aorta Worksheet**

FMC | KMC | CMC | TMC | NHSC | Name / MR # / Label
---|---|---|---|---|---
KIC | MIC | PI | TI | MFP | SFP | Other