### ACQUISITION

**Patient Position**
Supine
Extremity of interest is placed by patient’s side. Other arm should be placed over patient’s head.

**Contrast**
IV: Up to 150 ml Omni 350, See weight chart.
Saline: 40 ml
Oral: N/A

**Injection Rate**
4 ml/sec preferred.
Minimum 20g PIV.
See guidelines for other IV access lines.

**Respiration**
Breath hold: inspiration

**Volume**
Appropriate to achieve images as specified in following reconstruction tables.

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Breath hold: inspiration

**Volume**
Appropriate to achieve images as specified in following reconstruction tables.

### RECONSTRUCTION

<table>
<thead>
<tr>
<th>A1</th>
<th>Algorithm</th>
<th>Soft tissue</th>
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<tbody>
<tr>
<td></td>
<td>Thickness</td>
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</tr>
<tr>
<td></td>
<td>Spacing</td>
<td>1 mm</td>
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<tr>
<td></td>
<td>FOV</td>
<td>To include body and extremity</td>
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<td>Thickness</td>
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<tr>
<td></td>
<td>Spacing</td>
<td>5 mm</td>
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<tr>
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<td>Plane</td>
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<td>Spacing</td>
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<tr>
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<td>Plane</td>
<td>Sagittal</td>
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### WEIGHT CHART

<table>
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<th>Weight Range</th>
<th>Contrast</th>
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<tr>
<td>&lt; 100 lbs</td>
<td>1 ml per lb</td>
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<tr>
<td>100-199 lbs</td>
<td>100 ml</td>
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<tr>
<td>&gt;200 lbs</td>
<td>150 ml</td>
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</table>
CTA Upper Extremity Runoff with IV Contrast

INDICATIONS

Arterial and venous aneurysms
Arterial and venous thromboembolism
Arterial dissection and intramural hematoma
Arterial or venous thromboembolism
Congenital vascular anomalies
Dissection
Graft patency
Nonatherosclerotic, noninflammatory vasculopathy
Trauma
Traumatic injuries to arteries and veins
Vascular anatomic variants
Vascular infection
Vascular interventional planning (percutaneous and surgical)
Vascular interventions (percutaneous and surgical)
Vasculitis
Vasculitis and collagen vascular diseases.