Guidelines for In-Patient Cardiac CTA

See Practice Guidelines, under the Patient Care tab at http://xray.ufl.edu for more information. Or call Cardiac Reading Room: ext. 45691, Body Reading Room ext. 44385 with questions.

Criteria for Cardiac CTA
Patient felt to be low to intermediate pretest likelihood of having coronary ischemia as a cause of their chest pain.

Appropriate Indications for Cardiac CTA
- Chest pain in low to intermediate risk patient
- Chest pain in low to intermediate risk patient with borderline or mildly abnormal ETT
- Patient with possible coronary anomaly

Ordering Cardiac CTA and Beta Blocker Administration
Cardiac CTA order may be placed at any time. The exam will be performed 8am – 4pm on weekdays and weekend days.

<table>
<thead>
<tr>
<th>Weekdays – Monday through Friday</th>
<th>Weekends – Saturday and Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician will place order for Cardiac CTA in EPIC Correct orderable: CT, Cardiac Angio, Coronary Arts with IV contrast</td>
<td>Physician will place order for Cardiac CTA in EPIC Correct orderable: CT, Cardiac Angio, Coronary Arts with IV contrast</td>
</tr>
<tr>
<td>The ordering physician will place order in EPIC for oral metoprolol.</td>
<td>The ordering physician will place order in EPIC for oral metoprolol.</td>
</tr>
<tr>
<td>The in-patient scheduled for cardiac CTA is managed by our Radiology Department nursing staff. The charge technologist should contact Radiology Holding to discuss availability of nursing staff.</td>
<td>The ordering physician will contact the radiology resident. Cardiac Reading Room: ext. 45691 Body Reading Room: ext. 44385</td>
</tr>
<tr>
<td>The cardiac team resident/attending will place order in EPIC for IV metoprolol (if needed), and sublingual nitroglycerine.</td>
<td>The exam will be coordinated by the CT charge tech and the floor / unit nursing staff.</td>
</tr>
<tr>
<td>The exam will be coordinated by the CT charge tech and the floor / unit nursing staff.</td>
<td></td>
</tr>
</tbody>
</table>

Beta Blocker Administration Weekdays Monday through Friday

| Beta block:  100mg oral metoprolol Until target rate of 66 bpm is met. |
| Beta block:  IV Metoprolol 4 doses, 5mg each Administered by radiology staff RN just prior to scan if needed. |
| Sublingual Nitroglycerine 0.4mg Administered by radiology staff RN 3-6 minutes prior to contrasted scan. |

Beta Blocker Administration Weekends Saturday and Sunday

| Beta block:  100mg oral metoprolol Until target rate of 66 bpm is met. |
| The patient’s nurse will report to CT the time that the beta blocker was given. |
| The Cardiac CTA should be done when the target heart rate of 66 bpm is met. |
**IV Access**

18g preferred, 20g min  
Order of location preference:  
- Right AC  
- Right mid forearm  
- Left AC  
- Left mid forearm  

All other locations are unacceptable for contrast bolus delivery for cardiac CTA. Other lines or catheters must be approved by the Cardiac Imaging Team or the radiologist/resident on call. Please see *IV Access Guidelines under the Patient Care tab at [http://xray.ufl.edu](http://xray.ufl.edu)* for more information.

**Contraindications for Cardiac CTA**

- Inability to hold breath or cooperate  
- Cardiac CTA performed within the last year  
- Increased cardiac enzymes  
- Creatinine level > 1.8.  
- Acute EKG changes  
- Pregnancy  
- History of severe contrast reaction  
- Arrhythmia  
- Renal insufficiency  
- Multiple myeloma  
- Sickle cell anemia  
- Pheochromocytoma

**Calcium Score**

- For calcium score values below 600, the contrast scan will be completed and the patient returned to the floor  
- For calcium score values above 600, the contrast scan may be cancelled by radiology  
- The ordering physician will be notified (by the cardiac team or the radiology resident on call) of this change

**Reporting of Results**

**Weekdays**  
Monday – Friday, 0800 – 1600 hrs..................1 hour: full report available  
Monday – Friday, 1600 – 0800 hrs..............After 0800: full report available

**Weekends**  
Friday 1600 hrs – Monday 0800 hrs.............Full report available after daily read-out