

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.

Weekdays – Monday through Friday	Weekends – Saturday and Sunday
<p>Physician will place order for Cardiac CTA in EPIC Correct orderable: CT, Cardiac Angio, Coronary Arts with IV contrast</p> <p>The ordering physician will place order in EPIC for oral metoprolol.</p> <p>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.</p> <p>The cardiac team resident/attending will place order in EPIC for IV metoprolol (if needed), and sublingual nitroglycerine.</p> <p>The exam will be coordinated by the CT charge tech and the floor / unit nursing staff.</p>	<p>Physician will place order for Cardiac CTA in EPIC Correct orderable: CT, Cardiac Angio, Coronary Arts with IV contrast</p> <p>The ordering physician will place order in EPIC for oral metoprolol.</p> <p>The ordering physician will contact the radiology resident. Cardiac Reading Room: ext. 45691 Body Reading Room: ext. 44385</p> <p>The exam will be coordinated by the CT charge tech and the floor / unit nursing staff.</p>

Beta Blocker Administration Weekdays Monday through Friday	Beta Blocker Administration Weekends Saturday and Sunday
<p>Beta blocker: 100mg oral metoprolol Until target rate of 66 bpm is met.</p> <p>Beta blocker: IV Metoprolol 4 doses, 5mg each Administered by radiology staff RN just prior to scan if needed.</p> <p>Sublingual Nitroglycerine 0.4mg Administered by radiology staff RN 3-6 minutes prior to contrasted scan.</p>	<p>Beta blocker: 100mg oral metoprolol Until target rate of 66 bpm is met.</p> <p>The patient's nurse will report to CT the time that the beta blocker was given.</p> <p>The Cardiac CTA should be done when the target heart rate of 66 bpm is met.</p>

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> 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
- Sick 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