



Vitals

Upon arrival and q30 min

Height _____

Weight _____

| | | | | | | | | |
|----------------------|--|--|--|--|--|--|--|--|
| Time | | | | | | | | |
| BP | | | | | | | | |
| HR | | | | | | | | |
| HR with 15s BH | | | | | | | | |
| Med administered | | | | | | | | |
| Med route (PO or IV) | | | | | | | | |

History

Recent creatinine _____ Date _____

- Reason for study _____
- Ethnicity (circle) Caucasian Hispanic African-American Chinese Other _____
- Additional history
 - Diabetes
 - Kidney failure
 - Current smoker
 - Coronary artery bypass graft (CABG)
- Allergies
 - Beta-blocker
 - Nitroglycerine, nitrates
 - IV iodinated contrast
 - Other _____
- Current Medications
 - Beta-blocker (specify) _____
 - Metformin (ACTOplusmet, Avandamet, Janumet, Fortamet, Glucovance, Glucophage, Glumetza, Riomet, Metaglip, PrandiMet). If yes, then instruct patient to stop this medication for 48 hours and restart after creatinine rechecked and found to be normal.
- Contraindications to beta-blockers (i.e. metoprolol)
 - Severe asthma/obstructive lung disease with severe bronchospasm
 - Beta-blocker intolerance (e.g. psoriasis)
 - Congestive heart failure
 - Recent cocaine or methamphetamine use
 - 1st, 2nd, or 3rd degree AV block
 - Severe aortic stenosis
- Contraindications to nitroglycerine
 - Phosphodiesterase (PDE-5) inhibitor within 48 hours (Viagra, Cialis, Levitra)
 - Nitroglycerine intolerance (e.g. severe headache or migraine)
 - Hypertrophic obstructive cardiomyopathy
 - Severe aortic stenosis

Heart Rate Preparation

| | Metoprolol (preferred) | Diltiazem (alternative) |
|--|---|---|
| Oral preparation (before IV placed) | | |
| For HR 45-55, hold for SBP<90 | 25 mg metoprolol PO x1 (if not on home beta-blocker) | |
| For HR 55-65, hold for SBP<90 | 25 mg metoprolol PO x1 | 30 mg diltiazem PO x1 |
| For HR 65-75, hold for SBP<90 | 50 mg metoprolol PO x1 | 60 mg diltiazem PO x1 |
| For HR >75, hold for SBP<90 | 100 mg metoprolol PO x1 | 120 mg diltiazem PO x1 |
| IV preparation (18G, prefer R AC) | | |
| For HR >60 , hold for SBP<90 | 5 mg metoprolol IV q10 min, up to 20 mg prn | 10 mg diltiazem q10 min, up to 20 mg prn |

Transport

- Okay to transport patient to scanner when HR<65 and adequate IV in place
- IV metoprolol or IV diltiazem prn for **HR>60**, and 0.4 mg SL nitroglycerine at scanner
- Practice cardiac breath holding instructions and 15 second breath hold