Acute Heart Failure

UC Emergency Med Quality Comm.

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Initial orders
- EKG for evaluation of dyspnea
- Basic metabolic panel
- CBC with diff
- Troponin
- CRP (PA/Lateral or AP)
- Consider
- PT/INR
- Mg
- Hct
- HgG qualitative (serum or urine)
- Hepatic function panel
- NT ProBNP
- Urinalysis
- CT PA

Diagnostic Criteria:
- History of HFrEF/HFpEF
- JVD, S3, Rales
- Peripheral Edema
- CRP with Pulmonary Edema/Congestion
- BNP > 500, NTproBNP > 1000, or >30% of baseline

Is the Patient in Respiratory Distress?
- Yes
- No
  - Apply NIPPV

Does this patient have?
- Yes
- No
  - 1. STEMI / ACS
  - 2. Arrhythmia
  - 3. New murmur

What is the SBP?
- < 90
- 90 - 160
- > 160

Treatment:
- 1. Inotropes: Dobutamine (start at 2.5 mcg/kg/min and titrate up)
- 2. Diuretics: IV Furosemide (if patients hemodynamics tolerate)

Treatment:
- 1. Diuretics: IV Furosemide (at least equal to patient's daily home dose)
- 2. Nitrates: NTG 0.4mg SL x 3, q5mi (if SBP appropriate)

Does this patient have risk factors?
- Yes
- No
  - 1. SBP < 100 mmHg
  - 2. Na < 130
  - 3. Significant rise in renal function
  - 4. Required NIPPV
  - 5. HgG-Thromb values > 70 (female), >100 (male)

Is the patient appropriate for discharge?
- Yes
- No

Does the patient meet observation criteria?
- Yes
- No

Treatment:
- 1. Nitrates: NTG 0.4mg SL x 3, q5mi (if no response or SBP >160 consider fibro-glit)
- 2. Diuretics: IV Furosemide (if patient appears volume overloaded, at least equal to patient's daily home dose)

Treatment:
- 1. Nitrates: NTG 0.4mg SL x 3, q5mi
- 2. Diuretics: IV Furosemide

Is this patient in heart failure?
- No

Consider other diagnoses

Does this patient have?
- Yes
- No

Treat appropriate condition

Does this patient have risk factors?
- Yes
- No

Consider other diagnoses

Is this patient in heart failure?
- No

Treat appropriate condition

Does this patient have?
- Yes
- No

Treat appropriate condition

Initial orders

Updated: 8/4/21
Department: Emergency Medicine