

Acute Pulmonary Edema / CHF

This protocol is to be followed for patients in acute respiratory distress situations, not chronic.

Pre-Medical Control

1. Follow **General Pre-Hospital Care Protocol**.
2. Initiate supplemental oxygen by non-rebreather mask.
3. Position patient upright with legs dependent, if possible.
4. Consider CPAP / Bi-PAP (if available) or if indicated, an advanced airway.
5. Obtain 12-lead EKG if available. Follow local MCA transport protocol if EKG is positive for ST segment elevation myocardial infarction (STEMI) and alert hospital as soon as possible.
6. Inquire of all patients (male and female) if they have taken Viagra (sildenafil citrate) or a similar erectile dysfunction medication in the last 48 hours. If yes, **DO NOT ADMINISTER NITROGLYCERIN**.
7. If BP above 100 mmHg, administer Nitroglycerin 0.4 mg SL. Repeat every 3-5 minutes if BP above 100 mmHg.
8. If wheezing or bronchial constriction administer nebulized Albuterol 2.5 mg/3ml.

Post-Medical Control

Medication Options (Choose one)

Furosemide

Included

Not Included

9. Administer Furosemide (Lasix) 40 mg IV.
10. If BP remains above 100 mmHg, consider Morphine Sulfate 2 mg IV. May repeat x1 prn to maximum of 4 mg
11. If BP less than 100 mmHg and signs/symptoms of shock, administer Dopamine 5-20 mcg/kg/min. Generally start at 5 mcg/kg/min, and increase every 10 minutes by an additional 5 mcg/kg/min until BP greater than 100 mmHg. **DO NOT** exceed 20 mcg/kg/min unless ordered by medical control.

Michigan
Adult Cardiac Protocols - ALS
ACUTE PULMONARY EDEMA/CHF

Date: June 5, 2009

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Follow **General Pre-hospital Care Protocol**
Initiate supplemental oxygen by non-re-breather mask
Position patient upright with legs dependant, if possible

Consider CPAP / Bi-PAP (if available) or if indicated, an advanced airway.

Obtain 12-lead EKG if available. Follow local MCA transport protocol if EKG is positive for ST segment elevation myocardial infarction (STEMI) and alert hospital as soon as possible.

Inquire of all patients (male & female) if they have taken Viagra (sildenafil citrate) or a similar erectile dysfunction medication w/in last 48 hrs., if yes
DO NOT ADMINISTER NITROGYCERIN

Blood Pressure

BP greater than 100 mmHg

Nitroglycerin 0.4 mg SL
Repeat every 3-5 minutes if BP above 100 mmHg

If wheezing or bronchial constriction, administer nebulized Albuterol 2.5 mg/3ml

Contact Medical Control

Medication Options (Choose one)
Furosemide
 Included
 Not Included

Administer Furosemide (Lasix) 40 mg IV

BP less than 100 mmHg

Contact Medical Control

If BP less than 100 and signs/symptoms of shock administer Dopamine at 5-20 mcg/kg/min

Generally start at 5 mcg/kg/min, and increase every 10 minutes by an additional 5 mcg/kg/min until BP greater than 100 mmHg. DO NOT exceed 20 mcg/kg/min unless ordered by medical control.

If BP remains above 100 mmHg
Consider Morphine Sulfate 2 mg IV. May repeat 1 to maximum of 4 mg