

CDU Asthma/COPD/CHF Inclusion/Exclusion Criteria

Inclusion Criteria

1. Known history of asthma/COPD/CHF
2. Requiring further management after initial ED treatment
3. Pulse oximeter \geq 89% on room air
4. PEFs 40 – 69% of predicted
5. Persistent wheezing/dyspnea after EC treatments
6. Dyspnea on exertion
7. Edema
8. Weight gain greater than 3 pounds in two days

Exclusion Criteria

1. RR $>$ 30
2. Impeding respiratory fatigue/failure
3. Inability to perform spirometry
4. Pulse oximeter $<$ 89% on room air
5. The need for continuous nebulizer treatment or BiPAP
6. New EKG changes
7. Altered mental status

Clinical Decision Unit Interventions

1. Serial exams including Vital Signs every 4 hours
2. EKG monitoring
3. Pulse oximeter monitoring
4. Supplemental oxygen
5. Serial peak-flow measurements
6. Bronchodilator treatment every 1-4 hours
7. Steroids and/or antibiotics
8. Asthma/MDI education
9. Diagnostic imaging, if indicated

Disposition Criteria

1. Home
 - a. Major resolution of SOB/wheezing
 - b. Ambulating comfortably without significant O₂ desaturation
2. Hospital
 - a. Deterioration of condition
 - b. Peak flow deterioration to $<$ 20% than expected
 - c. RR $>$ 35
 - d. Pulse oximetry $<$ 89% on room air for 30 minutes

Time Frame

1. 8 to 24 hours observation and treatment