**Respiratory Distress Other**

For patients with pulmonary disease that is not edema or bronchospasm, includes suspected pneumonia, PE, pneumothorax and non-pulmonary and unknown causes of respiratory distress.

### History
- Recent respiratory illness, including pneumonia
- Pulmonary embolism
- Pneumothorax
- Medications (e.g., antibiotics, steroids, inhalers)
- Non-pulmonary and unknown causes of respiratory distress
- Anxiety
- Home ventilator/oxygen

### Signs and Symptoms
- Shortness of breath
- Decreased ability to speak
- Increased respiratory rate and effort
- Rhonchi/diminished breath sounds
- Use of accessory muscles
- Cough
- Tachycardia
- Fever
- Hypotension

### Differential
- Asthma/COPD
- Anaphylaxis
- Aspiration
- Sepsis/Metabolic acidosis
- Pleural effusion
- Pneumonia
- Pulmonary embolus
- Pneumothorax/Tension pneumothorax
- Cardiac (MI or CHF)
- Pericardial tamponade
- Hyperventilation
- Toxin (e.g., carbon monoxide, ASA)

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### Flowchart

**E**
- Apply Oxygen to maintain goal SpO\(_2\) > 92%
- Airway support
- Cardiac monitor
- Consider, 12-Lead ECG
- Consider, EtCO\(_2\) monitoring
- Establish IV/IO

**P**
- Signs of tension pneumothorax?
  - Yes → Needle Decompression Field Procedure
  - No → Notify receiving facility. Consider Base Hospital for medical direction

**Red Box**
- Cardiac monitor
- Consider, EtCO\(_2\) monitoring
- Establish IV/IO

**Green Box**
- Albuterol or Albuterol MDI with spacer or Levalbuterol
  - If systolic BP < 90
    - Normal Saline bolus 500ml IV/IO
    - Maximum 2L
  - Consider, CPAP

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### Pearls
- For suspected anxiety, consider calming and coaching to slow breathing prior to starting ALS treatment.
- CPAP is contraindicated for patients with signs/symptoms of a pneumothorax.
- Signs/symptoms of a tension pneumothorax include: AMS; hypotension; increased pulse and respirations; absent breath sounds or hyperresonance to percussion on affected side; jugular vein distension; difficulty ventilating; and tracheal shift.
- Pulse oximetry monitoring is required for all respiratory patients.