Provide supplemental oxygen via least stressful method. Maintain patient in quiet environment and minimize handling. Pursue thoracic POCUS / radiography once patient is stabilized. Provide sedation (e.g., butorphanol).

Provide bronchodilator (e.g, albuterol inhaler, terbutaline). Provide anti-inflammatory corticosteroid (e.g., dexamethasone 0.07-0.14 mg/kg IV; fluticasone inhaler 44-220 mcg q12 hr)

May be aspiration, bacterial, fungal, parasitic, or eosinophilic in origin. Provide supplemental oxygen via least stressful method. Perform thoracic POCUS to confirm pleural effusion. Maintain patient in quiet environment and minimize handling. Provide sedation (e.g., butorphanol). Perform thoracocentesis and subsequent testing on pleural fluid (cytology, fluid analysis, cholesterol, culture). Measure blood pressure. Pursue comprehensive thoracic imaging (e.g., radiography, computed tomography) once patient is stabilized. Provide bronchodilator (e.g, albuterol inhaler, terbutaline) PRN. Place thoracostomy tube if repeated thoracocenteses are needed. Provide appropriate antimicrobial therapy if infectious etiology is determined.

Multiple etiologies. Perform thoracocentesis and consider thoracostomy tube for recurrent pneumothorax. Spontaneous pneumothorax may require surgical intervention or blood pleurodesis.

May be cardiogenic or non-cardiogenic (e.g., seizure, upper airway obstruction, ALI/ARDS) in nature. May be aspiration, bacterial, fungal, parasitic, or eosinophilic in origin. Provide supplemental oxygen via least stressful method. Maintain patient in quiet environment and minimize handling. Pursue thoracic POCUS / radiography once patient is stabilized. Measure blood pressure. Pursue airway sampling (e.g., bronchoalveolar lavage) if patient is stable. Provide bronchodilator (e.g, albuterol inhaler, terbutaline) PRN. Place thoracostomy tube if repeated thoracocenteses are needed. Provide appropriate antimicrobial therapy if infectious etiology is determined.

Oxygenation, Hemodynamic Stabilization, +/- Fluid Therapy, +/- Sedation, +/- Endotracheal Intubation

Thoracic radiographs, POCUS, +/- Computed Tomography, +/- Thoracocentesis

OXYGEN, THORACOCENTESIS, +/- THORACOSTOMY TUBE - MINIMIZED HANDLING, +/- ANTIMICROBIAL THERAPY, +/- BRONCHODILATOR THERAPY

OXYGEN, MINIMIZE HANDLING, SEDATION, BRONCHODILATOR, ANTI-INFLAMMATORY CORTICOSTEROID

OXYGEN, MINIMIZED HANDLING, ANTIMICROBIAL THERAPY, +/- BRONCHODILATOR THERAPY

OXYGEN, MINIMIZED HANDLING, DIURETIC THERAPY, +/- BRONCHODILATOR THERAPY, +/- CARDIPROTECTIVE MEDICATIONS

OXYGEN, MINIMIZED HANDLING, ANTIMICROBIAL THERAPY, +/- BRONCHODILATOR THERAPY