

NR507 Edapt Week 3 Obstructive and Restrictive Lung Diseases

Chronic Bronchitis

The nurse practitioner (NP) is seeing a client with chronic bronchitis that needs spirometry on today's visit. What pulmonary function test (PFT) findings are anticipated based on the diagnosis of chronic bronchitis?

- ☒ Decreased forced expiratory flow (FEV1)
- ☐ Decreased diffusing capacity
- ☐ Decreased lung compliance
- ☐ Decreased total lung capacity (TLC)

Arterial Blood Gas

The nurse practitioner (NP) assesses a client with a history of heart failure and pulmonary edema. Based on the arterial blood gas (ABG) result below, which clinical condition does the NP suspect?

Arterial Blood Gas	Results
pH	7.56
PaCO ₂	30 mmHg
HCO ₃ ⁻	24 mEq /L
PO ₂	82 mmHg
O ₂ saturation	87%

- ☐ Respiratory acidosis
- ☒ Respiratory alkalosis
- ☐ Metabolic acidosis
- ☐ Metabolic alkalosis

Characteristics of Lung Disease

Complete the following sentence by choosing from the list of options.

Lung diseases that have reduced lung volume are characterized as restrictive, whereas diseases with reduced airflow are characterized as obstructive.

At-Risk Clients

Which clients are at high risk for obstructive and restrictive lung disease? Select all that apply.

- ☐ A 34-year-old client with chronic urinary tract infections
- ☒ A 74-year-old client who is immobile living in an assisted living facility
- ☒ A 54-year-old client with a diagnosis of iron deficiency anemia
- ☒ A 45-year-old client with an acute exacerbation of asthma
- ☒ An 11-year-old child living with a parent who smokes cigarettes

Prioritization of Care

The nurse practitioner (NP) is reviewing triage assessments. Which two (2) clients should the NP prioritize to assess? Select two.

- ☒ An older adult with confusion who fell and has a history of chronic obstructive pulmonary disease (COPD)
- ☐ An older adult with seasonal allergies with red, swollen eyes and clear nasal drainage
- ☐ A young adult with a nonproductive cough and a history of allergic rhinitis
- ☐ An older adult with pneumonia is experiencing pain in the lower chest wall while coughing
- ☒ An adolescent with a history of asthma and wheezing after the use of their inhaler