Mechanisms of Human Disease I

Application of Pulmonary Function Tests

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Learning Objectives

1. Interpret Spirometry
   a. Identify Small Airway Obstruction, Significant Bronchodilator Response, Hyper-reactivity
   b. Identify Upper Airway Obstruction (UAO)
      i. Distinguish fixed from variable intra-thoracic and extra-thoracic UAO

2. Identify Restriction
   a. Cite the three main categories of restrictive disease
   b. Recognize the unique pattern of neuromuscular disease

3. Identify Diffusion Defects
   a. Describe the impact of anemia on the interpretation of the DLCO

4. Identify PFT patterns suggestive of:
   a. Asthma, COPD, Upper Airway Obstruction, Interstitial Lung Disease, and Pulmonary Hypertension