

Interpretation of Pulmonary Function Tests Lecture

Aim of Session:

- To outline the role of pulmonary function testing in the assessment and management of respiratory disease
- The student should understand and interpret pulmonary function tests, and understand their indications and limits.

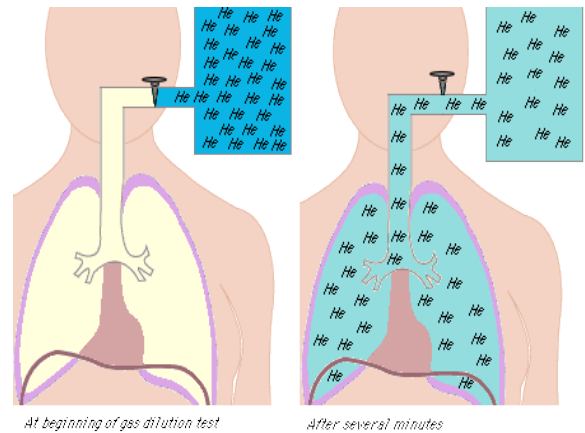


Learning Objectives:

By the end of the course delegates will be able to:

- Understand the role of clinical assessment in the diagnosis of disease
- Understand the changes in pulmonary function parameters that occur as a result of a variety of disease/disorders.
- To learn how to write a clinical report
- To be able to critically analyze test results
- To learn how to interpret lung function results and relate these findings to disease processes and or clinical diagnosis.
- Describe the pathophysiological changes in a range of respiratory disease.
- Discuss the role of pulmonary function tests to confirm or refute a clinical diagnosis of
 - Airway disease.
 - Interstitial Lung Disease
 - Rheumatic and Connective Tissue Disorders

- Outline the role of pulmonary function tests in monitoring the progression and effects of therapeutic interventions on:
 - Airway disease.
 - Interstitial Lung Disease
 - Rheumatic and Connective Tissue Disorders
- Be able to specify how spirometry is performed.
- Describe what a spirometer measures and be able to define the following terms:
 - vital capacity (VC)
 - forced vital capacity (FVC)
 - forced expiratory volume in one second (FEV1)
 - FEV1 /FVC %
 - forced expiratory flow over 25-75% of FVC (FEF 25-75%)



Who should attend?

- Medical Students
- Nurses
- Allied Health Staff