

Unit 7: Gas

EDAPT Modules

- Chapter 13: Re
- Chapter 10: An

Weekly Objectives

1. Compare and contrast common respiratory disorders: causes, diagnostic tests, and treatments.
2. Examine responses to aging and its impact on pathophysiology.
3. Describe how heredity and genetics influence pathophysiology of the respiratory system.
4. Examine factors leading to cancers of the respiratory system.
5. Understand the hematologic response to illness and injury.
6. Compare and contrast common types of anemias: causes, clinical manifestations, diagnostic tests, and treatments.
7. Apply growth and development principles related to the impact of aging on pathophysiologic changes in the hematologic system.

Describe how genetics influence pathophysiological alterations in the hematologic system.

Gas Exchange

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- Where is your trachea?
- What muscle is responsible for breathing?
- Where does gas exchange occur?
- What causes hypoxia? Ventilation versus Perfusion problem
- Remember: cellular injury occurs with decreased oxygen
- What are some risk factors: high altitude, pollution, smoking, diet (low iron)
 - Preventing problems is the opposite of the risk