



INITIAL MANAGEMENT AND STABILIZATION OF PEDIATRICS RESPIRATORY FAILURE

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OBJECTIVE

- Review and understand the components of the Pediatric Assessment
- Identify the difference between respiratory distress and respiratory failure
- Outline the different etiologies of respiratory failure in children
- Outline the management of children with respiratory failure



Respiratory Function

Maintain Adequate **Oxygenation**
and **Ventilation**



WAYS THAT BREATHING CAN FAIL



RESPIRATORY SYSTEM IN CHILDREN

- Lung is **less compliant** compared to the chest wall
- Intercostal muscles are **poorly** developed
- Ribs are aligned in **horizontal** plane
- Diaphragm is **shorter**
- **Decreased** number of type I muscle fibers
- Upper and lower **airways are smaller** in caliber
- **Fewer** air exchanging units
- **Decreased** collateral ventilation
- **Immature** of respiratory control

