



Respiratory Care in PICU

Aerosol Therapy

น.อ.หญิง สุพิชชา แสงโชติ
โรงพยาบาลสมเด็จพระปิ่นเกล้า

Aerosol

liquid droplets or solid particles

suspended in a gas(air)

visible like fog



Aerosol vs Humidity

Humidity

**water in gas status (vapor),
invisible**



Goals of Aerosol Therapy

drug be inhaled and deposit in targeted site of respiratory system :

deposit in lungs (lung dose),

responsible for pharmacologic effects at targeted site



Advantages of Aerosol Therapy

- ④ direct delivery of drug to site of action
 - ④ rapid onset of action
 - ④ lower dose to produce desired effects
(than systemic administration)
 - ④ minimizes systemic adverse effects
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