* **Exchange of Gases through Respiratory**  
  **Membrane**
* Dr Khwaja Amir
* Objectives

***By the end of this session, the student should be able to:***

* List the layers of respiratory membrane.
* Discuss the factors affecting rate of gas diffusion through respiratory membrane.
* Define diffusion capacity and discuss oxygen and carbon dioxide diffusion capacities.
* Define ventilation-perfusion ratio and discuss how it is changes with various variations in blood and air flow.
* Layers of Respiratory Membrane
* A layer of fluid lining alveolus and containing surfactant
* The alveolar epithelium
* An epithelial basement membrane
* A thin interstitial space between alveolar epithelium and capillary membrane
* A capillary basement membrane
* The capillary endothelial membrane