

THE BRONCHIAL TREE

Anatomical Structure & Airway Classification

[Illustration: Trachea branching into Primary, Secondary, and Tertiary Bronchi]

Trachea
Right Main Bronchus
Left Main Bronchus
Lobar Bronchi
Alveolar Sacs

Conducting Zone

- **Trachea:** Main windpipe
 - **Primary Bronchi:** Right and left main branches
 - **Secondary (Lobar):** Supplies lung lobes
 - **Tertiary (Segmental):** Supplies bronchopulmonary segments
 - **Terminal Bronchioles:** Final conducting branches
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Respiratory Zone

- **Respiratory Bronchioles:** First site of gas exchange
 - **Alveolar Ducts:** Connection to alveolar sacs
 - **Alveolar Sacs:** Clusters of individual alveoli
 - **Alveoli:** Primary units for gas exchange
 - **Capillary Network:** Surrounding blood vessels
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