

BRONCHIAL TREE BRANCHING REFERENCE

System: Respiratory Category: Anatomical Classification Type: Reference Chart

Gen.	Structure Name	Characteristics & Functional Zone
0	Trachea	<i>Main trunk; C-shaped cartilaginous rings. Conducting Zone.</i>
1	Mainstem Bronchi	<i>Right and Left primary bronchi; enter hila of lungs.</i>
2	Lobar Bronchi	<i>Secondary bronchi; 3 right, 2 left (one per lung lobe).</i>
3	Segmental Bronchi	<i>Tertiary bronchi; supply bronchopulmonary segments.</i>
4-10	Subsegmental Bronchi	<i>Decreasing diameter; cartilaginous plates replace rings.</i>
11-15	Bronchioles	<i>No cartilage; smooth muscle dominates wall structure.</i>
16	Terminal Bronchioles	<i>End of the Conducting Zone; transition point.</i>
17-19	Respiratory Bronchioles	<i>Start of Respiratory Zone; initial gas exchange occurs.</i>
20-22	Alveolar Ducts	<i>Elongated airways lined with alveoli.</i>

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23	Alveolar Sacs	<i>Terminal clusters; primary site of gas exchange.</i>

Educational Template Only â€¢ Anatomical Accuracy for Reference Purposes