

	Blood supply	Innervation	Venous drainage	Lymphatic
<b>External nose</b>	<ol style="list-style-type: none"> <li>1. Ophthalmic artery (Branch of the internal carotid artery).</li> <li>2. Maxillary artery (branch of external carotid artery).</li> <li>3. Facial artery (branch of external carotid artery)</li> </ol>	<ol style="list-style-type: none"> <li>1. Infratrochlear nerve &amp; External nasal (branches of ophthalmic nerve)</li> <li>2. Infraorbital branch (branch of maxillary nerve).</li> </ol>		
<b>lateral wall of nasal cavity</b>	<ol style="list-style-type: none"> <li>1. Short sphenopalatine artery (Posterior lateral nasal branches)</li> <li>2. Infraorbital branch (branch of maxillary nerve).</li> <li>3. Greater palatine artery.</li> <li>4. Anterior ethmoidal artery.</li> <li>5. Posterior ethmoidal artery.</li> <li>6. Superior alveolar artery.</li> </ol>	<ol style="list-style-type: none"> <li>1. Anterior ethmoidal nerve.</li> <li>2. Posterior superior lateral nasal nerves.</li> <li>3. Posterior inferior nasal nerves.</li> <li>4. Greater palatine nerve</li> <li>5. Anterior Superior alveolar nerve.</li> <li>6.</li> </ol>	<u>Venous drainage of the nasal cavity.</u> <ol style="list-style-type: none"> <li>1. The anterior 1/3 drain into the facial vein</li> <li>2. The posterior 2/3 drain into lateral pterygoid plexus.</li> </ol>	<u>Lymphatic drainage of the nasal cavity.</u> <ol style="list-style-type: none"> <li>1. Anterior part: submandibular lymph nodes.</li> <li>2. Upper &amp; posterior parts: retropharyngeal (upper deep cervical) lymph nodes, then drain into deep cervical lymph nodes.</li> </ol>
<b>Medial wall of nasal cavity</b>	<ol style="list-style-type: none"> <li>1. Long sphenopalatine artery (Posterior septal nasal branch)</li> <li>2. Greater palatine artery</li> <li>3. Anterior ethmoidal artery</li> <li>4. Posterior ethmoidal artery</li> <li>5. Superior labial</li> <li>6. Lateral nasal arteries (supply the vestibule)</li> </ol>	<ol style="list-style-type: none"> <li>1. Anterior ethmoidal nerve.</li> <li>2. Lower posterior part by the long sphenopalatine nerve</li> </ol>		

	Blood supply	Innervation	Venous drainage	Lymphatic
Frontal air sinus		Supraorbital nerve, a branch of the ophthalmic nerve.		
Ethmoidal air sinuses		Anterior and posterior ethmoidal branches of nasociliary nerve, a branch of ophthalmic nerve.		
Maxillary sinus		Infraorbital and alveolar branches of the maxillary nerve.		
Sphenoidal sinuses		Posterior ethmoidal nerve of the ophthalmic nerve & the orbital branches of the maxillary nerve		
Larynx	<ul style="list-style-type: none"> <li>1. Superior laryngeal artery</li> <li>2. Inferior laryngeal artery</li> </ul>	<ul style="list-style-type: none"> <li>1. Internal laryngeal nerve (sensory above true vocal cords)</li> <li>2. Recurrent laryngeal nerve (sensory below true vocal cords)</li> <li>3. Recurrent laryngeal nerve (motor)</li> </ul> <p>*exception: cricothyroid which is supplied by the external laryngeal nerve</p>	<ul style="list-style-type: none"> <li>1. Superior laryngeal vein → drains into superior thyroid vein → internal jugular vein</li> <li>2. Inferior laryngeal vein → inferior thyroid vein → left brachiocephalic vein.</li> <li>3. The inferior thyroid vein ends in the left brachiocephalic</li> </ul>	<ul style="list-style-type: none"> <li>1. Above the true vocal cords, lymphatics end in the deep cervical lymph nodes through the lymph nodes associated with superior laryngeal artery</li> <li>2. Below the true vocal cord, lymphatics drain into the lymph nodes associated with inferior thyroid artery and ends in paratracheal lymph nodes.</li> </ul>

	Blood supply	innervation	venous drainage	lymphatic
<b>lungs and visceral pleura</b>	<p>1. Right bronchial artery (Originates from the third posterior intercostal artery, a branch of the descending thoracic aorta)</p> <p>2. left bronchial arteries (from descending aorta)</p> <p>a. superior left bronchial artery arises at the level of T5.</p> <p>b. inferior left bronchial artery arises below left main bronchus</p>	<p>Plexus of sympathetic chain+ parasympathetic (vagus nerve) around the tracheal bifurcation and main bronchi. There are anterior and posterior pulmonary plexuses</p>		<p>1. Parasternal LN</p> <p>2. Paratracheal LN (tracheobronchial LN)</p> <p>3. Bronchomediastinal LN</p> <p>*LN on the Rt side drain into Rt lymphatic duct &gt; Right brachiocephalic vein</p> <p>*LN on the Lt side will drain into the thoracic duct &gt;&gt; Left brachiocephalic vein</p>
<b>Parietal pleura</b>	<p>1. Intercostal arteries</p> <p>2. Internal thoracic (mammery) artery</p> <p>3. Musculophrenic arteries</p>	<p>1. Intercostal nerves (supply costal pleura)</p> <p>2. Lower 6 intercostal nerves (supply peripheral pleura)</p> <p>3. Phrenic nerve (supplies mediastinal pleura+ diaphragmatic pleura)</p>	<p>Veins drain into azygos &amp; internal thoracic veins</p>	<p>1-Mediastinal pleura (with hilum) by:</p> <p>a- mediastinal nodes</p> <p>b- Tracheobronchial nodes</p> <p>c- Intercostal nodes</p> <p>2-Diaphragmatic pleura by:</p> <p>a- Parasternal nodes</p> <p>b- Posterior mediastinal nodes</p>

Good luck <3

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