

Organ	Nerve supply
<b>Muscles of mastication (temporalis- masseter- lateral pterygoid)</b>	By anterior division of mandibular nerve except medial pterygoid from the main trunk
<b>Digastric muscle</b>	Anterior belly → nerve to mylohyoid Posterior belly → facial nerve
<b>Stylohyoid</b>	Facial nerve
<b>Geniohyoid</b>	Hypoglossal nerve
<b>Palate</b>	General : Hard → greater palatine and nasopalatine Soft → lesser palatine and glossopharyngeal Secretomotor: Facial nerve → greater petrosal nerve → relay in sphenopalatine ganglia → lesser palatine Taste: Lesser palatine Motor: All muscles (palatoglossus- palatopharyngeus and levator palati) by cranial part of accessory except tensor palati by main trunk of mandibular nerve.
<b>Tongue</b>	Sensory: General: Anterior 2/3 → lingual Posterior 1/3 → glossopharyngeal Taste: Anterior 2/3 → chorda tympani Posterior 1/3 → glossopharyngeal MOST POSTERIOR PART OF THE TONGUE BY SUPERIOR LARYNGEAL OF VAGUS Motor: all muscles are supplied by hypoglossal nerve except palatoglossus by cranial part of accessory
<b>Palatine tonsil</b>	1. Glossopharyngeal 2. Lesser palatine
<b>Piriformis fossa</b>	Internal laryngeal
<b>Pharynx</b>	Sensory: Nasopharynx → maxillary Oropharynx → glossopharyngeal Laryngeopharynx → internal laryngeal Motor: All muscles are supplied by pharyngeal plexus (cranial part of accessory) except stylopharyngeus by glossopharyngeal  Pharyngeal plexus: 1. Glossopharyngeal 2. Pharyngeal branch of vagus (cranial accessory) 3. Superior cervical sympathetic ganglia
<b>Anterior abdominal wall</b>	Motor: 1. External and internal oblique and transversus abdominis → intercostals 7-11, subcostal, iliohypogastric and ilioinguinal 2. Rectus abdominis → intercostals 7-11 and subcostal 3. Pyramidalis → subcostal 4. Cremasteric → genital branch of genitofemoral Sensory : Skin Of upper part of the abdomen → anterior rami of T7-11 and subcostal Of lower part of the abdomen → ventral rami of L1- iliohypogastric and ilioinguinal
<b>Posterior abdominal wall</b>	1. Psoas major → posterior division of L1, 2,3 2. Psoas minor → L1 3. Quadratus lumborum → T12- L1-4 4. Iliacus → femoral L2-4 Root values of the nerves: Iliohypogastric and ilioinguinal → L1

	Lateral cutaneous nerve of the thigh → L1,2,3 Femoral → posterior division L2,3,4 Obturator → anterior division of L2,3,4 Lumbosacral → anterior division of L4,5
<b>Esophagus</b>	Anterior and posterior vagi → esophageal plexus
<b>Stomach</b>	Sympathetic : Celiac plexus around celiac trunk Parasympathetic : Anterior and posterior gastric nerves from left and right vagi
<b>Parotid</b>	Sympathetic : Plexus around ECA Parasympathetic: Inferior salivary nucleus → glossopharyngeal nerve → lesser petrosal → otic ganglion → Auriculotemporal nerve (Secretomotor)
<b>Submandibular and sublingual</b>	Sympathetic : Plexus around facial and lingual arteries Parasympathetic : Superior salivary nucleus → facial nerve → chorda tympani

<b>Organ</b>	<b>Lymphatics</b>
<b>Palate</b>	Hard → submandibular Soft → upper deep cervical
<b>Tongue</b>	Tip → submental Peripheral anterior 2/3 → mainly submandibular and few to deep cervical Central anterior 2/3 → mainly deep cervical and few to submandibular Posterior 1/3 → deep cervical
<b>Palatine tonsil</b>	Deep cervical (jugulo-digastric)
<b>Pharynx</b>	1. Deep cervical 2. Retropharyngeal 3. Paratracheal
<b>Stomach</b>	1. LN along left gastric → celiac LN 2. LN along right gastric → LN along hepatic artery → celiac LN 3. LN along short gastric and left gastroepiploic → LN at the hilum of the spleen → pancreaticosplenic → celiac LN 4. LN along right gastroepiploic → LN along gastroduodenal artery → celiac LN
<b>Anterior abdominal wall</b>	Upper part → Anterior axillary Lower part → superficial inguinal And drain into parasternal- lumbar and external iliac LN
<b>Pancreas</b>	Upper head → celiac Lower head → superior mesenteric
<b>Parotid gland</b>	Parotid LN and deep cervical
<b>Submandibular and sublingual gland</b>	Submandibular LN and deep cervical

<b>Organ</b>	<b>Blood supply</b>	
	<b>Arterial supply</b>	<b>Venous drainage</b>
<b>1. Palate</b>	1. Greater palatine → maxillary 2. Ascending palatine → facial 3. Palatine branch of ascending pharyngeal	Pterygoid and pharyngeal plexus
<b>2. Tongue</b>	1. Lingual artery 2. Tonsillar branch of facial 3. Ascending pharyngeal	Lingual vein → internal jugular
<b>3. Palatine tonsil</b>	1. Tonsillar branch of facial 2. Ascending palatine of facial 3. Lingual artery of external carotid 4. Ascending pharyngeal of ECA	Paratonsillar vein

<b>4. Pharynx</b>	<ol style="list-style-type: none"> <li>1. Ascending pharyngeal</li> <li>2. Ascending palatine</li> <li>3. Facial</li> <li>4. Lingual</li> </ol>	Pharyngeal plexus of vein → internal jugular
<b>5. anterior abdominal wall</b>	<ol style="list-style-type: none"> <li>1. internal thoracic → musculophrenic and superior epigastric</li> <li>2. External iliac → inferior epigastric and deep circumflex</li> <li>3. thoracic aorta → lower posterior intercostals arteries</li> <li>4. abdominal aorta → lumbar arteries</li> <li>5. inferior phrenic → abdominal aorta</li> </ol>	
<b>6.esophagus</b>	Cervical → inferior thoracic artery Thoracic → Bronchial and thoracic aorta Abdominal → left gastric artery	Cervical → inferior thoracic vein Thoracic → azygos and hemiazygos Abdominal → left gastric vein
<b>7. stomach</b>	<ol style="list-style-type: none"> <li>1. Splenic → short gastric and left gastroepiploic</li> <li>2. Hepatic → right gastric</li> <li>3. Celiac trunk → left gastric</li> <li>4. Gastroduodenal of hepatic → right gastroepiploic</li> </ol>	<ol style="list-style-type: none"> <li>1. Short and left gastroepiploic --. Splenic vein</li> <li>2. Left and right gastric → portal vein</li> <li>3. Right gastroepiploic → superior mesenteric</li> </ol>
<b>8. liver</b>	Hepatic artery and portal vein	3 hepatic veins
<b>9. pancreas</b>	<ol style="list-style-type: none"> <li>1. Pancreatic branches of splenic artery</li> <li>2. pancreaticoduodenal artery (sup and inf)</li> </ol>	Splenic and portal veins
<b>10. duodenum</b>	<ol style="list-style-type: none"> <li>1. Superior pancreaticoduodenal from gastroduodenal</li> <li>2. inferior pancreaticoduodenal from superior mesenteric</li> <li>3. supraduodenal</li> </ol>	
<b>11.jejunum and ileum</b>	Jejuna and ileal arteries of superior mesenteric	
<b>12. caecum</b>	Anterior and posterior cecal from ileocecal from superior mesenteric artery	Superior mesenteric → portal vein
<b>13. appendix</b>	Appendicular artery from ileocecal	Superior mesenteric
<b>14. ascending colon</b>	<ol style="list-style-type: none"> <li>1. ileocecal</li> <li>2. right colic</li> </ol>	Corresponding veins
<b>15. transverse colon</b>	Right 2/3 → right and middle colic of sup mesenteric Left 1/3 → ascending branch of left colic of inferior mesenteric	Corresponding veins
<b>16. descending colon</b>	Upper and lower left colic of inferior mesenteric	Corresponding veins
<b>17. sigmoid colon</b>	Sigmoid branches of inferior mesenteric	Corresponding veins
<b>18. rectum</b>	<ol style="list-style-type: none"> <li>1. superior rectal artery → inferior mesenteric</li> <li>2. middle rectal artery → internal iliac</li> <li>3. inferior rectal artery → internal pudendal</li> </ol>	<ol style="list-style-type: none"> <li>1. superior rectal vein → inferior mesenteric → splenic vein → portal vein</li> <li>2. middle rectal vein → internal iliac</li> <li>3. inferior rectal vein → internal pudendal</li> </ol>
<b>19. anal canal</b>	Upper part → Superior rectal artery Lower part → middle and inferior rectal artery	Upper part → superior rectal vein Lower part → internal iliac vein
<b>20. parotid gland</b>	External carotid → superficial temporal and maxillary	retromandibular
<b>21. submandibular and sublingual glands</b>	Facial and lingual arteries	Facial and lingual veins