

SKULL

Foramen	Structure Passing
<u>Anterior View</u>	
<u>Forehead</u>	
1. Supraorbital Foramen	Supraorbital Artery and Nerve
<u>Orbits</u>	
1. Optic Canal	Optic Nerve and ophthalmic Artery
2. Superior Orbital Fissure	Oculomotor Nerve, Trochlear Nerve, Ophthalmic Nerve, Abducens Nerve, Sympathetic Nerve fibers Superior Ophthalmic Vein, Orbital branch of middle meningeal artery, Lacrimal artery
3. Infraorbital fissure	Maxillary Artery, Infraorbital Artery
4. Infraorbital Foramen	Infraorbital Nerves and Vessels
<u>Sinuses</u>	
1. Nasolacrimal Canal	Opens into Inferior Meatus
2. Frontal Sinuses	Middle Nasal Meatus
3. Ethmoidal Sinuses	Anterior and Middle group open into Middle Nasal Meatus, Posterior Group into Superior Nasal Meatus
4. Sphenoidal Sinuses	Sphenoidal recess
5. Maxillary Sinuses	Middle Nasal Meatus
<u>Mandible</u>	
1. Mental Foramen	Terminal branches of Inferior Alveolar Nerve & Vessels
2. Mandibular Foramen (Mandibular Canal)	Inferior Alveolar Nerve and Vessels
<u>Zygomatic Bone</u>	
1. Zygomatic Foramen	Zygomaticofacial and Zygomaticotemporal Nerves
<u>Inferior View</u>	
1. Incisive Foramen	Nasopalatine Nerves
2. Greater palatine foramen	Inferior opening of the great palatine canal, Transmits a palatine nerve and artery
3. Hypoglossal Canal	Hypoglossal Nerve
4. Jugular Foramen	Internal Jugular Vein, Glossopharyngeal Nerve, Vagus Nerve, Accessory Nerve, Inferior Petrosal Sinus
5. Carotid Canal	Internal Carotid Artery
6. Stylomastoid Foramen	Facial Nerve
7. Foramen Lacerum	Meningeal branch of Ascending Pharyngeal Arteries
8. Foramen Spinosum	Middle meningeal Artery, Recurrent dural branch of Mandibular Nerve
9. Foramen Magnum	Spinal Cord, Spinal part of accessory Nerve, Anterior & Posterior Spinal Arteries, Vertebral Arteries, Tectorial Membrane
<u>Base of Skull</u>	
<u>Anterior Cranial Fossa</u>	
1. Foramen Cecum	A small Vein
2. Cribriform Plate	Filaments of olfactory receptors to olfactory bulbs
3. Anterior Ethmoid Foramen	Anterior Ethmoidal Nerves and Vessels
4. Posterior Ethmoid Foramen	Posterior Ethmoidal Nerves and Vessels
<u>Middle Cranial Fossa</u>	
1. Optic Foramen	Optic Nerve, Ophthalmic Artery
2. Superior Orbital Fissure	Oculomotor Nerve, Trochlear Nerve, Ophthalmic Nerve, Abducens Nerve, Sympathetic Nerve fibers Superior Ophthalmic Vein, Orbital branch of middle meningeal artery, Lacrimal artery
3. Foramen Rotundum	Maxillary Nerve
4. Foramen Ovale	Mandibular Nerve, Accessory Meningeal Artery
5. Foramen Spinosum	Middle meningeal Artery, Recurrent dural branch of Mandibular Nerve
6. Foramen Lacerum	Meningeal branch of Ascending Pharyngeal Arteries

<u>Posterior Cranial Fossa</u>	
1. Internal Acoustic Meatus	Facial Nerve, Vestibulocochlear Nerve, Labyrinthine artery
2. Jugular Foramen	Internal Jugular Vein, Glossopharyngeal Nerve, Vagus Nerve, Accessory Nerve, Inferior Petrosal Sinus
3. Hypoglossal Canal	Hypoglossal Nerve
4. Foramen Magnum	Spinal Cord, Spinal part of accessory Nerve, Anterior & Posterior Spinal Arteries, Vertebral Arteries, Tectorial Membrane

VERTEBRAL COLUMN

Foramen	Formation	Structure Passing
Transverse Foramen	Transverse process of Cervical Vertebrae	Vertebral Artery and Vein
Intervertebral Foramen	Superior and Inferior Vertebral Notches	Spinal Nerves and Blood Vessels
Vertebral Foramen	Formed by Body and Vertebral arches of vertebra enclose	Spinal Cord and its Coverings
Anterior Sacral (Pelvic) Foramina	Four foramina on each side on ventral side	Anterior rami of sacral Nerves
Posterior Sacral (Pelvic) Foramina	Four foramina on dorsal side on each side	Posterior rami of sacral Nerves

PELVIC GIRDLE

Foramen	Formation	Structure Passing
Obturator Foramen	Oval space surrounded by bodies and rami of pubis and ischium, Obturator membrane enclose it almost completely, small aperture remains	Obturator Nerve and vessels
Greater Sciatic Foramen	Greater Sciatic notch of hip bone and the sacrotuberous and sacrospinous ligament	Piriformis, Sciatic Nerve, Posterior Cutaneous Nerve of Thigh, Superior and Inferior Gluteal Nerves, Pudendal Nerve, Nerves to Obturator Internus and Quadratus Femoris Superior and Inferior Gluteal Nerves and Veins Internal Pudendal Artery and Vein
Lesser Sciatic Foramen	Lesser Sciatic Notch of hip bone and the sacrotuberous and sacrospinous ligament	Tendon of Obturator Internus Muscle Nerve to obturator internus Pudendal Nerve Internal Pudendal Artery and Vein

Openings in Diaphragm

Opening	Level	Structures Passing
Aortic opening	T ₁₂	Aorta, Thoracic Duct, Azygos Vein
Esophageal opening	T ₁₀	Esophagus, Right and left Vagus Nerve, Esophageal branches of left gastric vessels, Lymphatics from lower one third of esophagus
Caval Opening	T ₈	Inferior Vena Cava, Terminal branches of right phrenic nerve