ARTERIES

Arteries of the Upper Limb

Antony	Main Branches	Branches	Cumply
Artery			Supply
Subclavian Artery	Divided into three parts by	<u>Right</u> : Arises from Brachio	
	Scalenus AnteriorMuscle	<u>Left</u> : Arises from Arch of A	
	Vertebral Artery	T.C.: TILL . 1 A.	Supply brain
	Thyrocervical trunk	Inferior Thyroid Artery	Supply lower part of
			thyroid, parathyroid, the
			larynx, Trachea,
(1st p. a)			Esophagus
(1st Part)		Superficial cervical Artery	
Origin to medial border of Scalenus anterior		Suprascapular Artrey	Supraspinatus,
Scalenus anterior			Infraspinatus
	Internal Thoracic Artery	Musculophrenic Artery	Lower Intercostal Spaces,
			Diphragm
		Superior Epigastric Artery	Rectus Abdominis
		Pericardiophrenic Artery	Pericardium
		Anterior intercostals	Upper six interspaces
nd		arteries	st and
(2 nd Part)	Costocervical trunk	Superior Intercostal Artery	1 st and 2 nd Intercostal
Lies behind Scalenus			spaces
Anterior Muscle		Deep Cervical Artery	Muscles of the back of the
and .		of	neck
` /	Scalenus Anterior to outer bor		
Axillary Artery		n artery. From lateral border o	
		into three parts by the Pectora	
(1 st Part)	The Superior (Highest)		Pectoral muscles
From lateral border of first	thoracic Artery		
rib to upper border of			
pectoralis minor			
(2 nd Part)	Thoracoacromial artery		Muscles of thorax and
Behind the pectoralis			scapular region
minor	Lateral Thoracic Artery		Serrtus anterior, Pectoral
and -			muscles
(3 rd Part)	Subscapular Artery	Circumflex Scapular	Scapular, Lattimus dorsi,
From lower border of		Artery	
pectoralis minor to lwer		Thoracodorsal artery	
border of teres minor	Anterior Circumflex		Deltoid
	humeral artery		5.1.11
	Posterior Circumflex		Deltoid
	humeral artery		
	Continuation of axillary arte	ry below teres major	
	Superior ulnar collateral	,	
	artery		
	Inferior ulnar collateral		
Brachial Artery	artery		
	Profunda artery		Triceps brachii
	Nutrient artery		Humerus
	Muscular Branches		Anterior compartment f
			arm
	Larger of terminal branches	of Brachial artery. Begins in t	
	Larger of terminal transfers	or Dracinal artery. Degins in t	110 Caoimi 1000d

	Common inetrosseous	Anterior interosseous	Radius and ulna
	artery	Artery	
Ulnar Artery		Posterior Interosseous	Radius and ulna
Omai Artery		Artery	
	Muscular Branches		Neighboring muscles
	Recurrent branches		
	Branches take part in arteria	l anastomosis around wrist	
	Smaller of terminal branches of Brachial Artery. Begins in cubital fossa		
Radial Artery	Muscular Branch		Neighboring Muscles
	Recurrant Branch		
	Superficial Palmar Branch		Superficial palmar arch
Superficial Palmar	Formed mainly by ulnar artery. Completed by Deep branch of Ulnar artery and		
Arch	Superficial palmar branch of Radial Artery		
	Common Palmar digital	Proper palmar digital	
	arteries	arteries	
Deep Palmar Arch	Formed mainly by Radial Artery. Completed on medial side by deep branch of ulnar		
_	artery		
	Arteria Radialis Indicis		Lateral side of index finger
	Arteria Princeps Pollicis		Lateral and medial side of
			thumb

Arteries of Thorax

Artery	Main Branches	Branches	Supply
Aorta			
		Anterior Ventricular Branch	Anterior surface of right ventricle
		The Marginal Branch	Supply apex
		Posterior Ventricular	Diaphragmatic surface of
		Branches	right ventricle
	Right Coronary artery	Posterior Interventricular	Psterior part of ventricular
		Artery	septum and AV node
		Atrial Branches	Posterior surface of both
			right and left atria
Ascending Aorta		Branch to SA node	Supplies SA node
		Right Conus Artery	Anterior surface of
			pulmonary conus
		Anterior Interventricular	The right and left ventricle
	Left Coronary Artery	(Descending) Branch	
		Left Diagonal Artery	
		Left Conus Artery	Pulmonary Conus
		Left Marginal Artery	Apex of left ventricle
		Anterior Ventricular	
	Circumflex Branch	Branch	Supply left ventricle
		Posterior Ventricular	
	(Circumflex is the branch	Branch	
	of Left Coronary Artery)	Atrial Branches	Left Atrium
	Brachiocephalic Artery	Right subclavian Artery	Explained on Different
Arch of Aorta		Right Common Carotid	Pages
	Left Common Carotid		
	Left Subclavian Artery		
	Posterior Intercostal		Lower nine intercostals

	Arteries		spaces
Descending Thoracic	Subcostal arteries		Enter abdominal wall
Aorta	Pericardial Arteries		Supply Pericardium
	Esophageal Arteries		Supply Esophagus
	Bronchial Arteries		Supply Bronchi
Pulmonary	Pulmonary Right Pulmonary Artery		To right lung
Trunk	Left Pulmonary Artery		To left lung

Arteries of Abdomen
All the arteries of Abdomen arise from Abdominal Aorta. So abdominal Aorta is not mentioned in Artery Coloumn.

Artery	Main Branches	Branches	Supply
v	Left Gastric Artery	Esophageal Branches	Lesser curvature
		Short Gastric Arteries	Lesser curvature
	Splenic Artery	Splenic Arteries	
		Left Gastroepiploic	Greater Curvature of
		Arteries	Stomach
		Cystic Artery	Gall bladder
Celiac Trunk		Right Gastric Artery	Lesser Curvature
(Anterior Visceral			Right Gastroepiploic
Branches of Abdominal			Artery (Branch)
Aorta)	Hepatic Artery	Gastroduodenal Artery	Superior
			Pancreaticoduodenal
			Artery (Branch)
		Right Hepatic Artery	
		Left Hepatic Artery	
	Jejunal and Ileal Arteries		
	Inferior Pancreaticdudenal	Artery	Pancreas and adjoining
			part of duodenum
Superior	Middle Colic Artery		Transverse Colon
Mesenteric	Right colic Artery		Ascending Colon
		Anterior Cecal Artery	
Artery		Posterior Cecal Artery-	Appendix
(Anterior Visceral	Ileocolic Artery	Appendicular Artery	
Branches of Abdominal		Ileal Artery	Ilium and Jejunum
Aorta)		Colic Artery	
Inferior	Left Colic Artery	(Anterior Visceral	Descending Colon
Mesenteric	Sigmoid Arteries	Branches of Abdominal	Sigmoid Colon
	Superior Rectal Arteries	Aorta)	Rectum and Upper half of
Artery			anal canal
Abdominal Aorta	Suprarenal Artery		
(Lateral Visceral	Renal Artery		Kidney
Branches)	Testicular or Ovarian		Testes or ovaries
,	artery		
Abdominal Aorta	Inferior Phrenic Artery		
(Five Lateral Abdominal	Four Lumbar Arteries		
Wall Branches)			
Abdominal Aorta	Common Iliac Arteries	External Iliac Artery	
(Three Terminal		Internal Iliac Artery	
Branches)	Median Sacral Artery	· ·	
Dianches)	1		

External Iliac	Inferior Epigastric Artery		
Artery	Deep Circumflex iliac A.		
Artery	Femoral Artery		
Internal Iliac	Umblical Artery	Superior Vesical Artery	Upper portion of bladder
	Obturator Artery		
Artery	Inferior Vesical Artery	Artery to Vas deferens	Base of bladder, Prostate, Seminal Vesicles
(Branches of	Middle Rectal Artery		Muscles of lower rectum
Anterior Division of	Internal Pudendal Artery		Anal Canal and skin and muscles of perineum
Internal Iliac Artery)	Inferior Gluteal Artery		
	Uterine Artery		Uterus
	Vaginal Artery		Vagina and Base of Bladder
(Branches of	Illiolumbar artery		
Anterior Division of	Lateral Sacral Arteries		
Internal Iliac Artery)	Superior Gluteal Artery		

Arteries of Lower Limb

Artery	Main Branches	Branches	Supply
		Lateral Femoral	Hip Joint and Neighboring
	Deep femoral Artery	Circumflex Artery	Muscles
	(Profunda Femoris)	Medial Femoral	Hip Joint and Neighboring
		Circumflex Artery	Muscles
Femoral Artery		Perforating Arteries (3)	Adductors, femur,
(Continuation of External			Posterior femoral muscles
Iliac Artery below	Superficial Iliac Circumflex	Artery	
Inguinal Ligament)	Superficial Epigastric Arter		Region of Umblicus
Inguinai Ligameni)	Superficial External Pudend		Supply skin of scrotum
	Deep External Pudendal Art	tery	Skin of Scrotum or
			Labium Majus
	Descending Genicular Artery		Supply Knee joint
Popliteal Artery	Muscular Branches		Supply popliteal region
= op======	Articular Branches		
Anterior Tibial	Dorsalis Pedis Artery		Anterior crural muscles
	(Terminal Branch)		
Artery	Anastomotic Arteries		Knee and ankle Joint
	Muscular Branches		Neighboring Mucles
	Peroneal(Fibular)	Muscular Branches	Supply Adjacent Muscles,
Posterior Tibial	Artery	Perforating Branch	the tibia, fibula and ankle
		Nutrient artery to fibula	
Artery	Medial Planter Artery		Adductor Hallucis, Flexor
			Digitorum Brevis
	Lateral Planter artery		Lateral Portion of Sole
	Muscular Branches		Neighboring Muscles
	Nutrient Artery to Tibia		

Arteries of Head and Neck

Artery	Main Branches	Branches	Supply	
Common Carotid	Wain Drancies		ery arises from brachiocephalic	
Artery	External Carotid		icular joint and Left arises from	
Artery	Artery	Arch of Aorta. The Carotid Si		
Divides at level of	Aitcry			
Thyroid Cartilage	Internal Carotid	beginning of Internal Carotid Artery and is pressoreceptor. Innervated by Glossopharyngeal Nerve. The Carotid Body lies		
Ingrota Carmage	Artery		chemoreceptor, being sensitive to	
	Aitcry	excess CO_2 and reduced O_2 .	chemorecepior, being sensitive to	
		Branch to		
		Sternocleidomastoid muscle		
	Superior Thyroid	Superior Laryngeal Artery	Pierce Thyrohyoid membrane	
	Artery	Superior Laryingear Artery	Theree Thyronyold memorane	
	Ascending Pharyngeal	Artery	Wall of Pharynx	
	Lingual Artery	Titely	Supplies Tongue	
	Facial Artery		Supplies face	
External Carotid	Occipital Artery		Supply back of scalp	
Artery	Posterior Auricular Ar	tory	Scalp above & behind the auricle	
	Superficial Temporal A		Skin over frontal & temporal	
	Superficial Temporal A	Hitciy	regions	
		Inferior Alveolar Artery	regions	
	Maxillary Artery	Middle meningeal artery	Meninges within skull	
	Waxinary Artery	Muscular branches	Muscles of mastication	
	Ophtalmic Artery	Widscular branches	Supplies Eye nd other orbital	
	Ophiannic Artery		structures	
	Postorior Communicating Autom		Join Posterior Cerebral A.	
	Posterior Communicating Artery Choroidal Artery		Choroidal Plexus	
	Choroldar Artery		All medial surface of cerebral	
		Cortical Branches	cortex,	
		Cortical Branches	Supply "Leg Area" of Precentral	
	Anterior Cerebral		Gyrus	
Internal Carotid	Artery	Central Branches	Deep masses of Gray matter	
Artery	Thirty	Central Branches	within Cerebral Hemisphere	
		Cortical Branches	Entire lateral surface of	
		Cornear Branches	hemisphere, Supplies all motor	
			area except "Leg Area"	
	Middle Cerebral	Central Branches	Deep masses of Gray matter	
	Artery		within Cerebral Hemisphere	
Vertebral artery	Meningeal Arteries			
	Anterior & Posterior			
Enters skull through	Spinal Arteries			
Foramen Magnum.	Posteroinferior			
Both Join to form	Cerebral Artery			
Basilar Artery	Medullary Arteries			
Basilar Artery	, in the second	Cortical Branches	Inferolateral surface of temporal	
Formed by Union of			lobe, and lateral & medial surface	
Two Vertebral Arteries	Posterior Cerebral		of occipital lobe. Supplies	
	Arteries		VISUAL Cortex	
		Central Branches	Deep masses of Gray matter	
			within Cerebral Hemisphere,	
			The Midbrain	
	D C			
	Pons, Cerebellum			
	Internal Ear			

<u>Circle Of Willis:</u>
Lies in interpeduncular Fossa at base of Brain. It is formed by Anastomosis between the

- Two Internal Carotid Arteries
- Basilar Artery,
- Anterior and Posterior Communicating Arteries

It supplies the branches to whole brain