

Unit 2, Lab 3

PTA/OTA 106 Regional Anatomy and Physiology

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PERICARDIAL CAVITY and Related Structures:

Mediastinum	Pericardial cavity	Fibrous pericardium
Parietal pericardium		

HEART External Anatomy:

Epicardium	Lt & Rt Ventricles	Lt and Rt Auricle
Coronary sulcus	Anterior interventricular sulcus	
Apex	Posterior interventricular sulcus	
Ligamentum arteriosum	(remnant of ductus arteriosus)	

HEART Blood Vessels

Superior vena cava	Inferior vena cava	Pulmonary trunk
Lt & Rt pulmonary arteries	Ascending aorta	Lt & Rt pulmonary veins
Aortic arch	Brachiocephalic Trunk	Lt Common Carotid Artery
Lt Subclavian Artery	Rt Subclavian Artery	Rt Common Carotid Artery
Thoracic Aorta	Abdominal Aorta	External Jugular
Internal Jugular	Brachiocephalic veins	

HEART Internal Anatomy:

Epicardium	Myocardium	Endocardium
Lt and Rt Atria	Interatrial septum	Fossa ovalis (Foramen ovale)
Pectinate muscles	Lt & Rt Ventricles	Interventricular septum
Tricuspid valve	Bicuspid valve (Mitral)	Chordae tendinae
Papillary muscle	Trabeculae carneae	Pulmonary semilunar valve
Aortic semilunar valve		

HEART conduction system:

SA node	Av node	Bundle of His or
(interventricular)	L & R Branch bundles	purkinje fibers

CORONARY CIRCULATION: know blood flow and be able to identify:

Left coronary artery	Circumflex artery
Right coronary artery	Marginal branch
Anterior interventricular branch	Coronary sinus
Posterior interventricular branch	Great cardiac vein
Middle cardiac vein	Small cardiac vein

BLOOD FLOW THROUGH THE HEART: know blood flow and be able to identify:

Superior vena cava	Inferior vena cava	Rt Atrium
Tricuspid valve	Rt Ventricle	Pulmonary semilunar valve
Pulmonary trunk	Lt. & Rt. Pulmonary Arteries	Lungs
Lt & Rt pulmonary veins	Lt. Atrium	Bicuspid Valve
Rt. Ventricle	Aortic semilunar valve	Ascending aorta
Aortic arch	Thoracic aorta	Abdominal aorta

Major Arteries Abdominal region:

Arteries:

Thoracic Aorta	Abdominal Aorta	Celiac trunk
Common Hepatic	Gastric	Splenic
Superior mesenteric	Inferior mesenteric	Gonadal (testicular or ovarian)
Common iliac	Internal iliac	External Iliac

Veins:

Brachiocephalic	Superior vena cava	External iliac
Internal iliac	Inferior vena cava	Gonadal veins
Superior mesenteric	inferior mesenteric	Splenic
Hepatic portal vein	Hepatic veins	Common iliac
Internal iliac	External Iliac	