

CARDIOVASCULAR SYSTEM

Locate the following structures on the appropriate model or diagram. Understand the function of each.

Heart

_____ parietal pericardium
 _____ epicardium (visceral pericardium)
 _____ pericardial cavity
 _____ apex
 _____ base
 _____ myocardium
 _____ endocardium
 _____ coronary sulcus
 _____ anterior interventricular sulcus
 _____ posterior interventricular sulcus
 _____ right auricle
 _____ right atrium
 _____ right ventricle
 _____ tricuspid valve
 _____ papillary muscle
 _____ chordae tendinae
 _____ pulmonary valve
 _____ left auricle
 _____ left atrium
 _____ left ventricle
 _____ mitral (bicuspid) valve
 _____ papillary muscle
 _____ chordae tendinae
 _____ aortic valve
 _____ interatrial septum
 _____ fossa ovalis
 _____ interventricular septum
 _____ aorta, ascending
 _____ pulmonary trunk
 _____ pulmonary veins & arteries
 _____ coronary artery
 _____ anterior interventricular artery*
 _____ circumflex artery*
 _____ marginal artery*
 _____ posterior interventricular artery*
 _____ great cardiac vein*
 _____ middle cardiac vein*
 _____ coronary sinus*

Arteries

_____ aortic arch*
 _____ brachiocephalic trunk*
 _____ subclavian
 _____ common carotid
 _____ external carotid
 _____ maxillary
 _____ facial
 _____ internal carotid
 _____ vertebral
 _____ basilar*
 _____ Circle of Willis*
 _____ thoracic aorta*
 _____ intercostal
 _____ axillary
 _____ brachial
 _____ ulnar
 _____ radial
 _____ abdominal aorta*
 _____ celiac*
 _____ hepatic*
 _____ gastric
 _____ splenic*
 _____ superior mesenteric*
 _____ inferior mesenteric*
 _____ renal
 _____ common iliac
 _____ external iliac
 _____ internal iliac
 _____ femoral
 _____ popliteal
 _____ anterior tibial
 _____ posterior tibial
 _____ fibular

Veins

_____ superior vena cava*
 _____ inferior vena cava*
 _____ external jugular
 _____ internal jugular
 _____ facial
 _____ brachiocephalic
 _____ subclavian
 _____ axillary
 _____ brachial
 _____ basilic
 _____ cephalic
 _____ median cubital
 _____ ulnar
 _____ radial
 _____ azygos*
 _____ hemiazygos*
 _____ gastric
 _____ splenic*
 _____ renal
 _____ hepatic portal*
 _____ hepatic*
 _____ superior mesenteric*
 _____ inferior mesenteric*
 _____ common iliac
 _____ external iliac
 _____ internal iliac
 _____ femoral
 _____ popliteal
 _____ anterior tibial
 _____ posterior tibial
 _____ great saphenous
 _____ small saphenous
 _____ fibular

fetal circulation

_____ placenta
 _____ umbilical vein*
 _____ ductus venosus
 _____ foramen ovale
 _____ ductus arteriosus
 _____ umbilical artery

* Asterisk indicates blood vessels that are not paired.

Know the significance of the hepatic portal system.

Anastomosis = blood vessels that branch out and join each other, forming a network.