SPECIAL CIRCULATIONS
Special Circulations: Pulmonary
Rt. ventricle
Pulmonary trunk
Pulmonary arteries (R & L)

Pulmonary arteries appear blue because they are leaving the heart and traveling to the lungs to become oxygenated.
Lobar arteries in the lungs appear blue because they are carrying blood away from the heart to the lungs to become oxygenated.
Lobar veins

Lobar veins are traveling to the heart carrying oxygen rich blood that was picked up in the lungs, so they appear red.
Pulmonary veins (R & L)

Pulmonary veins appear red because oxygen rich blood is returning from the lungs and entering the heart.
Left atrium
Special Circulations: Hepatic Portal System

Directs blood from the gastrointestinal tract to liver
Hepatic portal vein

Takes blood from intestines and drains into the liver
Gastric vein (R & L)

Drains the blood from the stomach directly into the hepatic portal vein.
Drains blood from small and large intestines directly into the hepatic portal vein.
Inferior mesenteric vein

Drains into splenic and then into hepatic portal vein
Splenic vein

Drains blood from spleen, pancreas, and part of the stomach into the hepatic portal vein.
Hepatic vein

Takes blood from liver and drains into inferior vena cava and then into the heart
Inferior vena cava
Special Circulations: Cerebral
Internal carotid a. (R/L)
Anterior cerebral a. (R/L)
Anterior Communicating a.
Middle cerebral a.
Posterior Communicating a.
Posterior cerebral a.
Basilar a.
Vertebral a. (R/L)