

SCIT 1408: Study Guide Outline of Laboratory Modules

Lab #7

Note: This list of modules contains all the structures you are to know for lab quizzes and practical exams. It is also an excellent study guide for lecture exams.

* *Starred items are found in the text book, but not in the lab manual.*

Module 22

- *Paths of circulation
 - *Systemic circuit
 - *Pulmonary circuit
 - *Coronary circuit
 - *Hepatic portal circuit
- The circulatory plan
 - Arteries
 - Capillaries
 - Veins
 - *Precapillary sphincters
- *Structure of arteries and veins
 - *Tunica intima
 - *Tunica media
 - *Tunica adventitia
 - *Valves

Module 23

- Arteries of the arms, head and upper thorax
 - Aorta
 - R & L Subclavian Artery
 - R & L Axillary Artery
 - R & L Brachial Artery
 - R & L Radial Artery
 - R & L Ulnar Artery
 - Brachiocephalic Artery
 - R & L Common Carotid Artery

- Branches of the Descending Aorta
 - Celiac Artery
 - Hepatic Artery
 - Superior Mesenteric Artery
 - R & L Renal Artery
 - R & L Gonadal Arteries
 - Spermatic Arteries
 - Ovarian Arteries
 - Inferior Mesenteric Artery

Arteries of the Leg

- R & L Common Iliac Artery
- R & L Internal Iliac Artery
- R & L External Iliac Artery
- R & L Femoral Artery
- R & L Deep Femoral Artery
- R & L Popliteal Artery
- R & L Anterior Tibial Artery
- R & L Posterior Tibial Artery

Veins of the Arms, Head, and Upper Thorax

- Superior Vena Cava
- R & L Brachiocephalic Vein
- R & L Internal Jugular Vein
- R & L External Jugular Vein
- R & L Subclavian Vein
- R & L Axillary Vein
- R & L Basilic Vein
- R & L Brachial Vein
- R & L Cephalic Vein
- R & L Median Cubital Vein

Branches of the Inferior Vena Cava

- Hepatic Vein
- R & L Renal Vein
- R & L Gonadal Vein
 - Spermatic Vein
 - Ovarian Vein

Veins of the Leg

- R & L Internal Iliac Vein
- R & L External Iliac Vein
- R & L Great Saphenous Vein
- R & L Femoral Vein
- R & L Popliteal Vein
- R & L Posterior Tibial Vein

Hepatic Portal Circulation

- Hepatic Portal Vein
- Superior Mesenteric Vein
- Inferior Mesenteric Vein
- Splenic Vein
- Gastric Vein
- Hepatic Vein

Module 24

Fetal circulation

- Umbilical vein
- Ductus venosus
- Foramen Ovale
- Ductus Arteriosus
- Umbilical arteries
- Hypogastric arteries

Fetal structures in the adult

- Ligamentum teres (round ligament)
- Fossa ovalis
- Ligamentum venosum
- Ligamentum arteriosum

Module 25

Blood pressure determination

- Sphygmomanometer
- Stethoscope
- Korotkoff sounds
- Ventricular systole
- Ventricular diastole
- Systolic pressure
- Diastolic pressure
- Vasomotor center in medulla oblongata

Know normal blood pressure values and factors that will alter them.

Pulse determination

- Pulse
- Pulse pressure
- Palpation
- Pressure points

Know normal pulse rates and factors that will alter them.