

## **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.