

## ANP1105 Final Review - Based off of Lectures

85%: Blood Vessels, Lymphatic & Respiratory, 15%: Cumulative Midterms #1 & #2

### Lecture 15: Blood Vessels Part 1

- ❑ **4.3. Blood vessels and hemodynamics:**
- ❑ **4.3.1.** Compare and contrast the structure of the walls of arteries, capillaries and veins
- ❑ **4.3.2.** Compare the 3 types of arterial vessels
- ❑ **4.3.3.** Define microcirculation and compare the 3 types of capillaries
- ❑ **4.3.4.** Describe the structure and functions of the venules and veins
- ❑ **4.3.5.** Define blood flow, blood pressure, resistance, peripheral resistance

Chapter 19

<https://www.youtube.com/watch?v=v43ej5lCeBo>

### Components of Blood Vessels

- Blood Vessels: delivery system of dynamic structures that begins and ends at the heart
  - Works with the lymphatic system to circulate fluid
- Arteries: Carry blood away from the heart; oxygenated except for pulmonary circulation and umbilical vessels of fetus
- Capillaries: direct contact with tissue cells; directly serve cellular needs
- Veins: carry blood toward the heart; deoxygenated except for pulmonary circulation and umbilical vessels of the fetus































































































































