

Exercise 33A
Human Cardiovascular Physiology
Blood Pressure and Pulse Determinations
Eighth Edition

Objectives: 1-3, 6-8

Cardiac cycle

- Read this section completely.
- Know the terms systole, diastole, and aortic notch.
- Study figure 33A.1 Summary of Cardiac Cycle Events

Auscultation of Heart Sounds

- Know what the sounds lub and dup correspond to.
- Know what a heart murmur is.
- Read the activity on auscultating heart sounds for comprehension only.

Palpation of the Pulse

- Know what the term pulse means
- Know the location of the nine superficial pulse points that can be palpated.
- Know the difference between apical and radial pulse and the meaning of pulse deficit.

Blood Pressure Determinations

- Know the terms blood pressure, systolic pressure, diastolic pressure, sphygmomanometer, and sounds of Korotkoff (and how to spell them).
- Read the exercise described in Using a Sphygmomanometer to Measure Arterial Blood Pressure Indirectly.
- Know the terms pulse pressure and mean arterial pressure and how to calculate them.
- Omit the remaining activities in this unit.

Laboratory Activities

- Perform Activity 5: “Using a Sphygmomanometer to Measure Arterial Blood Pressure Indirectly”
- Perform Activity 2: “Palpating Superficial Pulse Points”
Measure your lab partner’s pulse using 3 of the following locations: radial, common carotid, and facial or brachial artery