

MULTIPLE CHOICE QUESTIONS

B.6.1. Regulation of the Heart

1. If the venous return to the right atrium has, for some reason, increased, what will immediately happen?
 - a. Heart rate will increase because of an increased stretch of the sinus node
 - b. Heart rate will decrease because of an increased stretch of the sinus node
 - c. Heart rate will decrease because of a decreased stretch of the sinus node
 - d. Heart rate will increase because of a decreased stretch of the sinus node
2. Which of the following regulatory systems is not an intrinsic system?
 - a. Stretch of the sinus node
 - b. The Frank-Starling system
 - c. The Bainbridge reflex
 - d. Stretch of the ventricular wall
 - e. Stretch of the atrial wall
3. Which parameter is crucial in a proper function of the Frank-Starling system?
 - a. The end-diastolic volume
 - b. The end-systolic volume
 - c. The cardiac frequency
 - d. The blood pressure in the aorta
4. Which intrinsic system affects both ventricles equally?
 - a. Stretch of the sinus node
 - b. The Frank-Starling system
 - c. The Bainbridge reflex
 - d. The venous return

Answers:

1. a.
2. c.
3. a.
4. a.