

The Intrinsic Conduction System

1. List the elements of the intrinsic conduction system in order starting from the SA node.

h SA node Which of those structures is replaced when an artificial pacemaker is installed? At what structure in the transmission sequence is the impulse temporarily delayed? CONIS ALU Why 2. Even though cardiac muscle has an inherent ability to beat, the nodal system plays a critical role in heart physiology. What Lepolarization is that role? mannerymin he milocartun 3. How does the "all-or-none" law apply to normal heart operation? Electrocardiography Recording of electrical Change 1. Define ECG.

2. Draw an ECG wave form representing one heartbeat. Label the P, QRS, and T waves; the P-R interval; the S-T segment, and the Q-T interval.



3. What changes from *baseline* were noted in the ECG recorded during running? zerate I heart contractions is increased but the electrical current pattern Leight remains rate 1 Q-1 interval Unchanged ut and muscular an Explain. Bo ecardiac output increases heart rate eperous rins IN proportion Total incleased Ma media In that recorded during breath holding? pH. unula hance is Explain. edine Deprepart Vessel 10 and in heart nate any tarn res reas er 4. Describe what happens in the cardiac cycle in the following situations: he atria enolaus 1. during the P wave apation (deastale 2. immediately before the P wave 3. immediately after the P wave con A 4. during the QRS wave ____ enor of the intrules 5. immediately after the QRS wave (S-T interval) during the T wave popular pation entre 6. 5. Define the following terms: eats mun 1. tachycardia_ 1nD 2. bradycardia 3. flutter ZY ativita kendy atria fibrillation John Mapie un 4. ral-depar 5. myocardial infarction Legion M dead My cardum thay 6. Which would be more serious, atrial or ventricular fibrillation? Why? De Ventrucles Gear mayor resp solutity for a nom the lan

Review Sheet

39

7. Abnormalities of heart valves can be detected more accurately by auscultation than by electrocardiography. Why is this so? with alve proble Mastor Olympus 0. tethoscope, Hovever, since Valves are not part of the polarization pathway of the heart their inefficiency would the recorded on an ECG No

Review Sheet