

Cardiac Crossword Puzzle

This puzzle that will test your knowledge of anatomy and the cardiac procedures.

If you don't know the answer, look it up and impress your surgeon the next time you perform this surgery with them!

Reference: *Alexander's Care of the Patient in Surgery 16th edition.*

Across

- _____ fibers are spread throughout the inner surface of both ventricles and the papillary muscles, which when stimulated produce contraction of the heart muscle.
- Internal mammary artery.
- The process of excitation and contraction originates in the _____ node, located in the area in which the superior vena cava (SVC) meets the RA.
- _____ may result from atherosclerosis, trauma, infection, or cystic medial degeneration.
- Harvesting of the necessary length of _____ vein is from one or both legs.
- From the medulla oblongata, nerve impulses to the heart travel along the middle cervical nerve, which is composed of _____ fibers, and the vagus nerve, which is composed of parasympathetic fibers.

Down

- The arteries of the circulatory system subdivide into _____ and eventually into capillaries and the individual cells, in which internal respiration and metabolic exchange occur.
- The cardiac wall consists of three layers: the _____ or outer lining; the myocardium or muscular layer, which is an important functional layer; and the endocardium or inner lining.
- Which artery? Generally the surgeon takes the artery from the patient's nondominant arm.
- _____ is partial excision of an adhered, thickened fibrotic pericardium to relieve constriction of compressed heart and large blood vessels.
- _____ procedures increase blood flow to the affected ischemic areas by attaching a bypass graft conduit to the artery distal to the narrowed portion of the artery.



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