

EVOLUTION OF HEART

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INTRODUCTION:

IMPORTANT FOR TODAY

The heart is a muscular pumping organ of the circulatory system. In evolutionary terms the heart is a highly modified blood vessel. The heart of vertebrates is the central organ for the propulsion of the blood.

TREND IN THE EVOLUTION OF HEART:

IMPORTANT NOTES

The structure and function of heart show progressive complexity and specialization from lower chordates to Mammals.

The evolution of heart occurs in two aspects:—(a) increase in the number of the chambers of heart.

(b) Conversion of single type of circulation to complete double type of circulation.

General Structure:

(i) In all the vertebrates, the heart is enclosed by a double-walled sac known as the Pericardium. Between the two layers of Pericardium, there is a pericardial cavity filled with a pericardial

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