



Pericardial Sinuses.

	the transverse sinus	the oblique sinus	
	passage above the heart	space behind the heart	
Defination	Between ascendingaorta and pulmonary trunk Defination the superior vena cava, left atriumand pulmonary veins Defination	Between - Defination the fibrous pericardium posterior to which lies the oesophagus. Defination	
Formation	It is formed by the reflection of the visceral pericardium from the front of the 2 atria to the back of the ascending aorta and pulmonary trunk.	It is formed by the reflection of the visceral layer at the upper part of the posterior aspect of the left atrium to lined the fibrous pericardium.	
Benefits	temporary ligature	A hand passed from below easily enters the oblique sinus, but the fingertips can only pass up as far as a double fold of serous pericardium that separates the oblique and transverse sinuses from each other	
Boundaries	Anteriorly, ascending aorta and	Anteriorly: posterior wall of the left atrium.	
	pulmonary trunk.	Posteriorly: Fibrous pericardium which separate the sinus from the contents of the posterior mediastinum. Superiorly: it is closed by reflection of the visceral layer from the back of the left atrium to fibrous pericardium.	
	Posteriorly, SVC and 2 atria.		
	Superiorly, Right pulmonary artery.		
	Inferiorly, reflection of the visceral pericardium from the front of the 2	Inferiorly (opening of the sinus): continues with the pericardial cavity.	
	atria to the back of the great vessels.	Right side: I.V.C and 2 right pulmonary veins.	
		Left side: 2 left pulmonary veins.	

الموضوع الرئيسي				
	The arterial supply of the pericardium	The venous drainage of the pericardium	Nerve Supply of the Pericardium	
mainly	branch of the internal thoracic artery —— (the pericardiacophrenic artery)	the brachiocephalic (or internal thoracic) veins — tributaries — Pericardiacophrenic veins	fibrous pericardium and the parietal layer —— the phrenic nerves.	
		the azygos venous system —— Variable tributaries	visceral layer - branches of the sympathetic trunks the vagus nerves.	
Smaller contributions	terminal branch of the internal thoracic artery. — Musculophrenic artery			
	the first branches of the aorta Coronary arteries (visceral layer of serous pericardium only)			
	branches of the thoracic aorta - Bronchial esophageal superior phrenic arteries			