## Chambers of the Heart

	Right Atrium	Right Ventricle	LEFT ATRIUM	LEFT VENTRICLE
Defination	The right atrium forms the right border	of the heart	base of the anterior papillary muscle	Forms the apex of the heart  most of the diaphragmatic surface
			forms the greater part of the base	
		and almost the entire inferior border of the heart	it lies the oblique sinus of the serous pericardium the esophagus	
interior Area	interior — Smooth, thin-posterior wall —— (SVC and IVC) and coronary sinus open Rough, muscular anterior wall —— composed of pectinate muscles	Interior — Superiorly — the conus arteriosus (infundibulum) — leads into the pulmonary trunk Inferior — (trabeculae carneae) — irregular muscular elevations	interior — left atrium is smooth left auricle possesses muscular ridges	Walls that are two to three times as thick as those of the right ventricle  Walls that are mostly covered with a mesh of trabeculae carneae that are finer and more numerous than those of the right ventricle  A conical cavity that is longer than that of the right ventricle  Anterior and posterior papillary muscles that are larger than those in the right ventricle.
	separated — externally — the sulcus terminalis or (terminal groove) — a shallow vertical groove internally — crista terminalis or (terminal crest) — vertical ridge	A thick muscular ridge separates(the supraventricular crest) = smooth wall of the conus arteriosus, or outflow part ridged muscular wall of the inflow part of the chamber		
Vessels received	The SVC — superior part — level of the right 3rd costal cartilage		The four pulmonary veins — two from each lung open through the posterior wall have no valves	
	The IVC — inferior part — the level of the 5th costal cartilage			
	The opening of the coronary sinus — between the right AV orifice and the IVC orifice			
auricle	conical muscular pouch — increasing the capacity of the atrium		a left auricle —— possesses muscular ridges	
	overlaps the ascending aorta			
	possesses muscular ridges			
Septum	separating the atria	composed of muscular and membranous parts  much smaller membranous part of the IVS — Superiorly and posteriorly thin membrane		
	the oval fossa (L. fossa ovalis) =  oval, thumbprint-size depression remnant of the oval foramen (L. foramen ovale) and its valve in the fetus	muscular part of the IVS, which forms the majority of the septum  curved muscular bundle  The septomarginal trabecula (moderator band)  from the inferior part of the IVS base of the anterior papillary muscle		
Valve	right AV (tricuspid) orifice —— discharges the poorly oxygenated blood, it has received into the right ventricle	posterior to the body of the sternum at the level of the 4th and 5th intercostal spaces  The inflow part of the ventricle receives blood from the right atrium through	The left atrioventricular orifice ( the mitral valve)	

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