

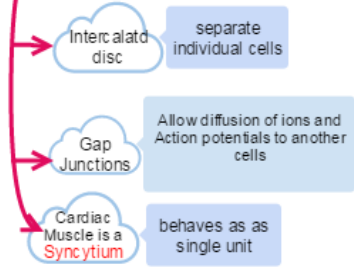


Physiology
OF THE CARDIOVASCULAR SYSTEM

Contractile Mechanism in Cardiac Muscle

Contractile Mechanism in Cardiac Muscle

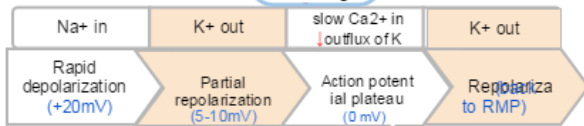
Physiology of the Cardiac Muscle



cardiac action potential

Duration is 0.4 seconds

Phases and Ionic changes

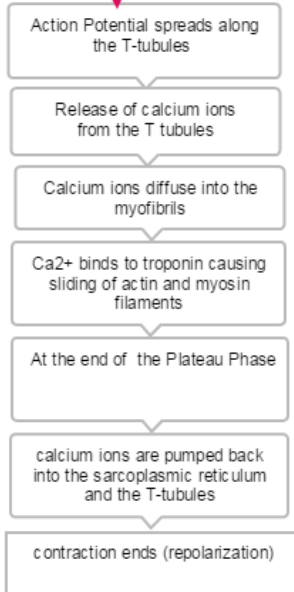


Lead to prolong depolarization

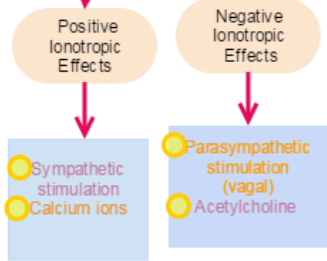
Refractory Period

	absolute	Relative
Time	Depolarization and 2/3 Repolarization	Repolarization
Duration	0.25-0.3 Sec	0.05 Sec

the mechanism of excitation contraction coupling



Factors affecting cardiac contractility { Inotropic effect }



For The clear version : <https://www.glify.com/go/publish/image/10104171/L.png>