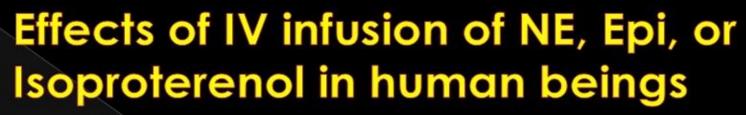
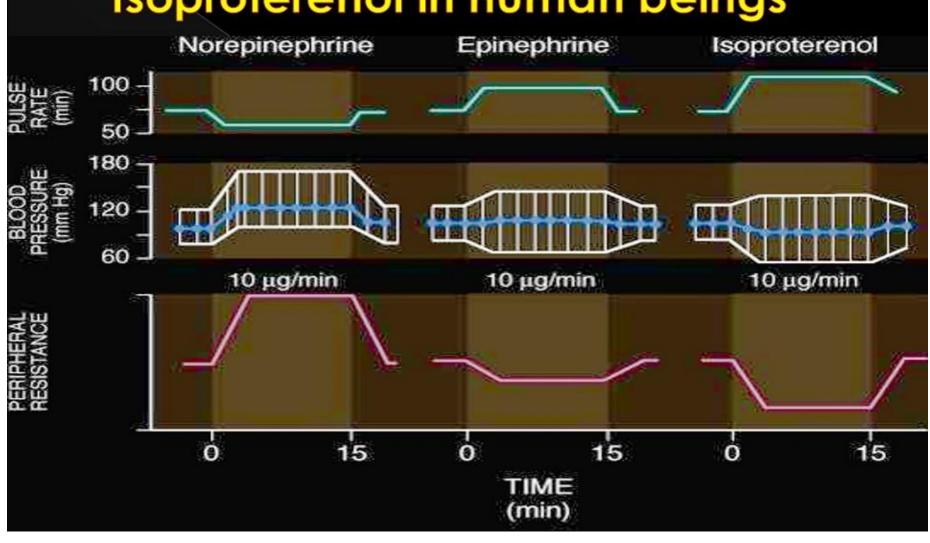
Adrenoceptors				
Sub- type	Location of receptors	Type of G- protein coupled to receptor	Basic pathway	
α1	Smooth Muscle	Gq	Increase in PLC Increase in IP3 Increase in intracellular Ca2+ => m. contraction	
α2	Presynaptic nerves	Gi	Decrease in activation of Adenylate cyclase Decrease in cAMP	
β1	Heart		Increase in activation	
β2	Smooth muscle	Gs	of Adenylate cyclase, Increase in cAMP Increase in	
β3	Fat tissue		intracellular signaling pathways	





Comparison of the Effects of Intravenous Infusion of Epinephrine and Norepinephrine in Human Beings*

	EPINEPH-	NOREPINEPH-
EFFECT	RINE	RINE
Cardiac		
Heart rate	+	- ;
Stroke volume	++	++
Cardiac output	++++	0,-
Arrhythmias	++++	+ + + +
Coronary blood flow	++	++
Blood pressure		
Systolic arterial	+++	+++
Mean arterial	+	++
Diastolic arterial	+,0,-	++
Mean pulmonary	++	+ +
Peripheral circulation		
Total peripheral		
resistance		++
Cerebral blood flow	+	0,—
Muscle blood flow	+++	0,-
Cutaneous blood flow		
Renal blood flow		
Splanchnic blood flow	+++	O, \div
Metabolic effects		
Cxyger consumption	++	$0, \pm$
Blood glucose	+ + +	0,+
Blood lactic acid	+++	0,+
Eosinopenic response	-+-	O
Central nervous system.		
Respiration	-	+
Subjective sensations	-1-	-+-