

organ	Sympathetic (receptor/effect)	parasympathetic (receptor/effect)
Eyes:	-	
radial muscle	α_1 , Mydriasis	
circular muscle		M3, Miosis
ciliary muscle		M3, contracts (near vision)
Heart:-		
SA node	β_1 , increase heart rate	M2, decrease heart rate.
Ectopic pacemaker	β_1 , increases heart rate	
Blood vessels:		
skin, splanchnic...	α_1 , vasoconstriction	M3, (endothelium) done by drugs, vasodilation due to releasing <u>NO</u>
skeletal muscle	β_2 , α_1 relaxation	
Bronchiolar smooth muscle.	β_2 , relaxation	M3, contraction
GIT		
smooth muscle wall	α_2 , β_2 relaxation	M3, contraction
sphincters	α_1 contraction	M3, relaxation
secretion	-	M3, increases
Bladder	α_1, β_2 , relaxation	contraction
penis, seminal vesicles	α , ejaculation	M, erection
uterus	β_2 , relaxation - In pregnancy مشان تحفي البوبو.	

SKIN :

pilo motor
smooth muscle

α , contracts

sweat glands

M, increase

* كيف M وهو عبارة

عن sympathetic innervation

من اداء بعض حثى معك

تذكر، ان sweat glands

يهدلوا sympathetic effect

بمن يفرزوا Ach على

ال post synaptic والهي

من عندهم muscarinic

* Metabolic Function

Liver:

β_2 و α glycogenolysis

gluconeogenesis

Fat cells

β_3 , lipolysis

Kidney

β_1 , Renin release.