* **Adrenergic agonist drugs**
* **Objectives**
* Discuss the pharmacology of catecholamines
* Classify & describe adrenergic α-agonists including actions, therapeutic uses & adverse
* reactions.
* Classify & describe adrenergic β-agonists including actions, therapeutic uses & adverse
* reactions
* Adrenergic transmission
* Catacholamines - Epinephrine (α1α2β1β2),Norepinephrine(α1α2β1), Isoproterenol (β1β2)
* **Adrenaline- α1 α2 β1 β2**

**Other catecholamines**

Noradrenaline (α1 α2 β1 ) is used in severe shock

* NA adverse effects are similat to adrenaline. In addition NA causes severe sloughing of skin due vasoconstriction

* Dobutamine(β1) is preferred in Acute congestive heart failure
* Dopamine- (α, β1, D ) -used in cardiogenic & septic shock-
* **Therapeutic classification of adrenergic drugs**
* **Ephedrine**
* Phenylepherine
* **Nasal** **decongestants**
* **Amphetamine**
* **Anorectics**
* **Clonidine**
* **β2 adrenergic agonist**
* **Uterine relaxants**
* Summary of Sympathomimmetics – α- agonist
* Summary of β- Agonists
* References-

* Lippincotts Illustrated pharmacology
* Katzung Basic & Clinical Pharmacology