

- Hydrolyzed by cholinesterase .
- Has Muscarinic & Nicotinic effect .
- Uses :

Glaucoma , MCQ

- Not absorbed orally .
- Not hydrolyzed by cholinesterase .
- Uses :

Diagnosis of myasthenia gravis

Physostigmine

Edrophonium

The Indirectly Acting

Neostigmine

Amibenonium & Pyridostigmin

Both ...
With the same use

- Has Muscarinic & Nicotinic effect .
- Uses :

Treatment of myasthenia gravis

- Uses :

Treatment of myasthenia gravis

ACH RECEPTORS STIMULANTS

The Directly Acting

Nicotinic receptors

Muscarinic receptors

Ach

- Rarely used ; very sensitive to cholinesterase .
- Adverse effect :

DUMBELS*

Carbachol

- Was used for Glaucoma .
- Not metabolized by cholinesterase. MCQ

Methacholine

- Mild nicotinic effect .

Bethanechol

- Not metabolized by cholinesterase . MCQ
- No nicotinic effect .
- Used : BBB*

Pilocarpin

- Not metabolized by cholinesterase .
- Treatment of Glaucoma

Nail Funnis

***DUMBELS** : **D**iarrhea & **D**ecrease BP , **U**rination , **M**iosis , **B**ronchoconstriction & **B**radycardia , **E**xcitation of skeletal muscle, **L**acrimation & **S**alivation

BBB : **B**ethanechol stimulates the **B**ladder & **B**owel