

## ← ° PARASYMPATHOLYTIC ° →

= Parasympatholytic agent are those which reduces the activity of parasympathetic nervous system.

= Parasympathetic system becomes strongly engaged during or after a meal and during times when the body is at rest.

= The term parasympatholytic typically refers to the effect of a drug, although some poisons act to block the parasympathetic nervous system as well. Most drugs with parasympatholytic properties are anticholinergics.

= Parasympatholytic and sympathomimetic agents have similar but not identical effects. For example - both cause mydriasis but parasympatholytic reduce cycloplegia, where as sympathomimetic do not.

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Drugs which bind with the cholinergic receptors and block the action of the ACh or ACh like drugs.

These are also called the cholinoreceptor blocking agents or Anticholinergic agents.

Notes

## —: Classification :-

### • Muscarinic Antagonist (Parasympatholytic)

Atropine,  
Hyoscine  
Homatropine

### • Ganglion blocking drugs

Hexamethonium  
Gallamine

### • Neuromuscular blocking drugs

Calcium antagonists  
Hemicholinium  
Magnesium ions.

← ° classification ° →

• Alkaloids :

Atropine  
Hyosine

• Semisynthetic drugs :

Epratropium bromide  
Tiotropium bromide  
Hyosine butylbromide  
Atropine methonitrate

• Synthetic drugs :- (1) Mydriatics

Cyclopentolate  
Tropicamide

(2) Anticholinergic / Antispasmodics

(i) Quaternary compounds

Glycopyrrolate  
Oxyphenonium

~~Axylamine~~  
~~Proxepine~~

(ii) Tertiary amines

Dicyclomines

Proxepine

(3) Vasoselective

Oxybutynin

Flavoxate

(4) Antiparkinsonian

Notes

٢٤ ربيع الثاني ١٤٣٦ هـ 24 Rabia II 1436H

الجمعة  
FRIDAY

13

## ٤٥ Antiparkinsonian

Trihexphenidyl (Benzhexol)

Procyclidine

Biperiden

Benztropin

WEEK 07

02

Others:

Tricyclic Antidepressants

Phenothiazines

Antihistamines

45-320

٢٥ ربيع الثاني ١٤٣٦ هـ 25 Rabia II 1436H

السبت  
SATURDAY

14

Notes

ملاحظات

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 |

MARCH

JUMADA I - JUMADA II