

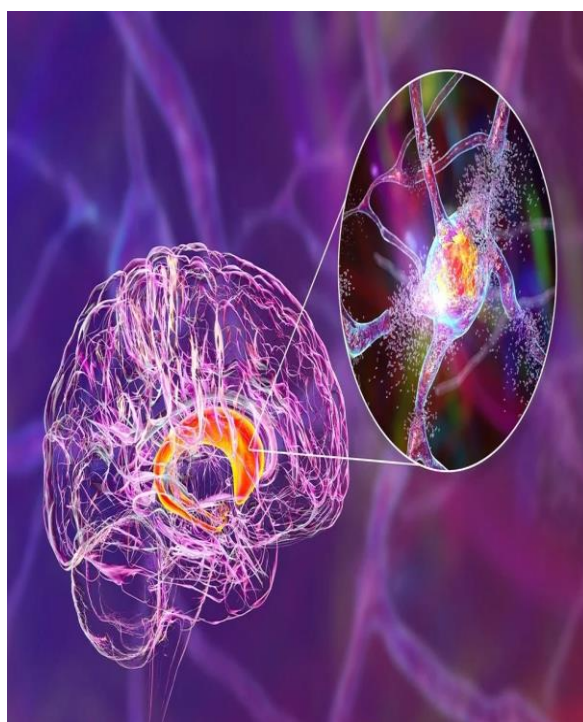
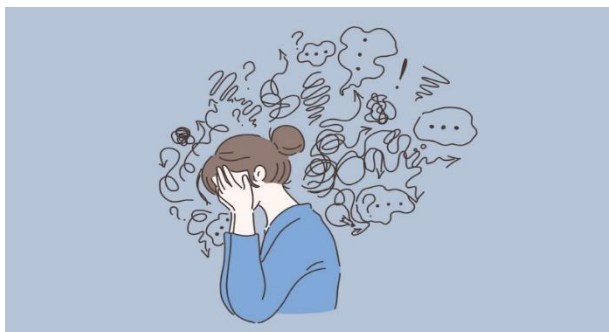


HAMDARD UNIVERSITY
FACULTY OF PHARMACY



PHARMACOLOGY (PHARM 509)

CLASSIFICATION OF DRUGS



Course Instructor : Dr. Syeda Memoona

3RD YEAR (EVENING)

Submitted by:

SIMRA SIDDIQUI

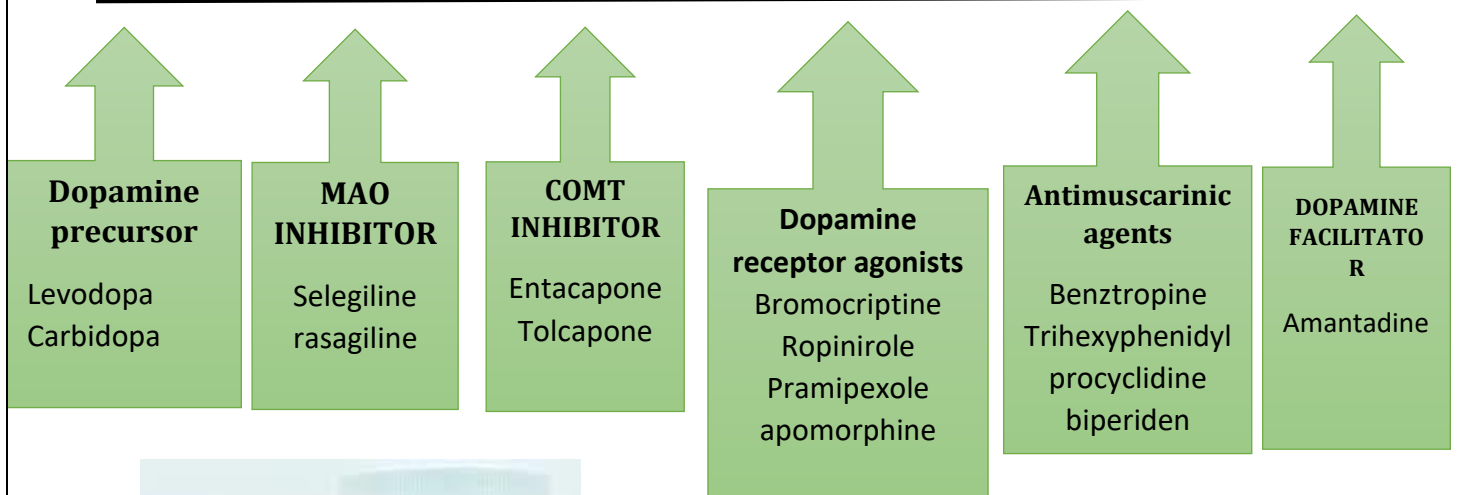
CMS : 466-2022

CLASSIFICATION OF DRUGS

CHAP#1 Neurodegenerative diseases:

Neurodegenerative diseases of the CNS include Parkinson's disease, Alzheimer's disease, MS, and ALS. These devastating illnesses are characterized by the progressive loss of selected neurons in discrete brain areas, resulting in characteristic disorders of movement, cognition, or both.

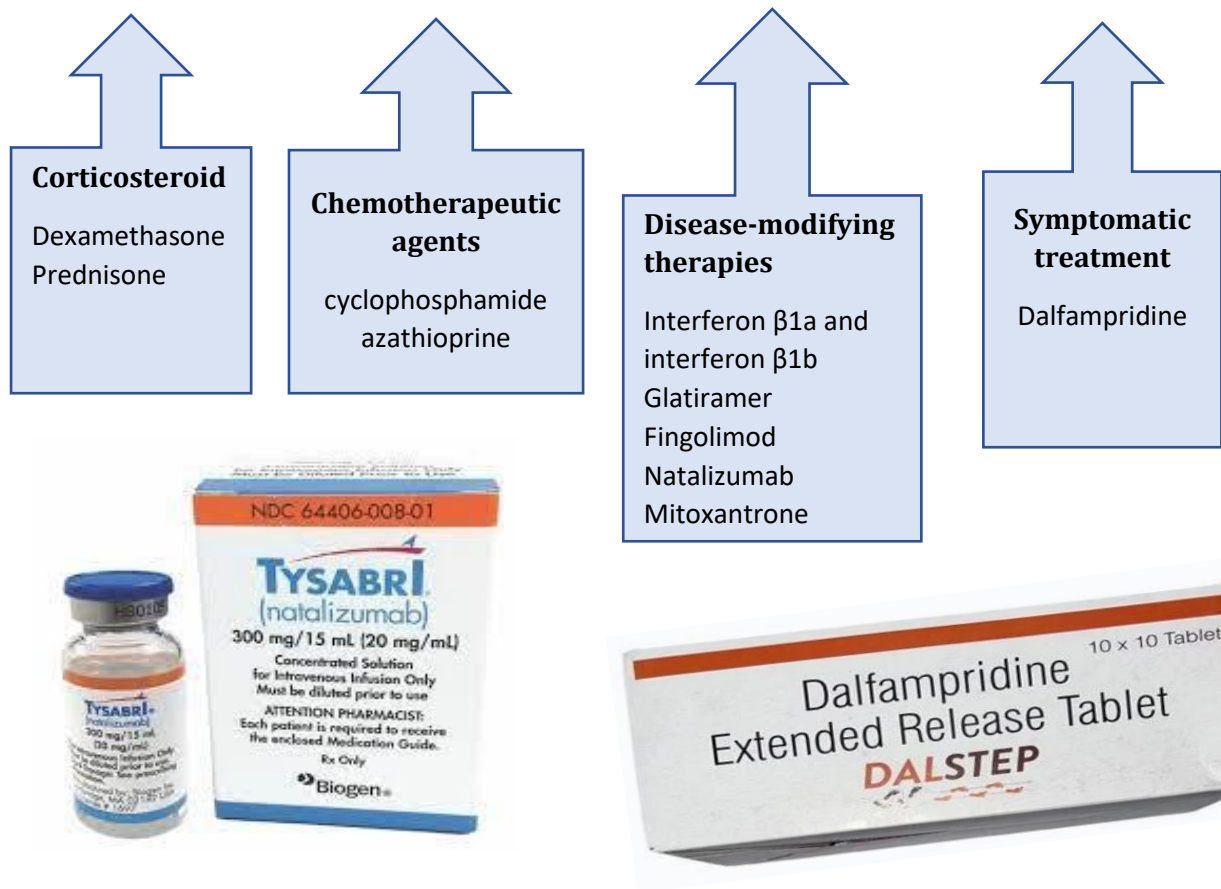
➤ **DRUGS USE IN PARKINSON'S DISEASE**



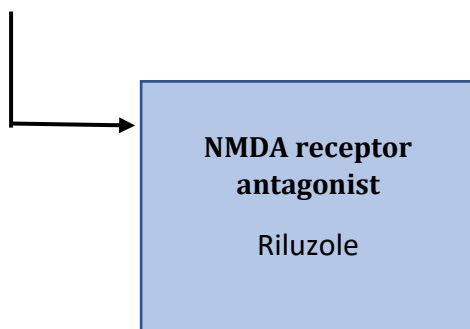
➤ **DRUGS USE IN Alzheimer's DISEASE**



➤ DRUG USE IN MULTIPLE SCLEROSIS



➤ DRUG USE IN AMYOTROPHIC LATERAL SCLEROSIS



CHAP#2 ANXIOLYTICS AND HYPNOTIC DRUGS:

Anxiety is an unpleasant state of tension, apprehension, or uneasiness (a fear that arises from either a known or an unknown source). The physical symptoms of severe anxiety are similar to those of fear (such as tachycardia, sweating, trembling, and palpitations) and involve sympathetic activation. Episodes of mild anxiety are common life experiences and do not warrant treatment. Because many antianxiety drugs also cause some sedation, they may be used clinically as both anxiolytic and hypnotic (sleep-inducing) agents.



A. Benzodiazepines

SHORT ACTING

Triazolam

Oxazepam

Midazolam

INTERMEDIATE ACTING

Alprazolam
Estazolam
Temazepam
Lorazepam
Nitrazepam

LONG ACTING

Diazepam
Flurazepam
Clonazepam
Chlordiazepoxide



B. Benzodiazepine antagonist

Flumazenil



C. Barbiturates

SHORT ACTING

Pentobarbital
Secobarbital
Amobarbital

ULTRA SHORT ACTING

Thiopental

LONG ACTING

Phenobarbital



D. Other Anxiolytic agent

➤ Antidepressants

- **Selective serotonin reuptake inhibitors (SSRIs)**
escitalopram
paroxetine
- **Serotonin/norepinephrine reuptake inhibitors (SNRIs)**
venlafaxine
duloxetine

➤ Buspirone

E. Other Hypnotic Agent

- Antihistamines
- Doxepin
- Eszopiclone
- Ramelteon
- Zaleplon
- Zolpidem



CHAP# 3 ANTIDEPRESSANT DRUG

➤ **SELECTIVE SEROTONIN REUPTAKE INHIBITORS**

- Citalopram
- Escitalopram
- Fluoxetine
- Fluvoxamine
- Paroxetine
- Sertraline



➤ **TRICYCLIC ANTIDEPRESSANTS**

- Amitriptyline
- Amoxapine
- Clomipramine
- Desipramine
- Doxepin
- Imipramine
- Maprotiline
- Nortriptyline
- Protriptyline
- Trimipramine



➤ **SEROTONIN/NOREPINEPHRINE**

- Desvenlafaxine
- Duloxetine
- Levomilnacipran
- Venlafaxine

➤ **MONOAMINE OXIDASE**

- Isocarboxazid
- Phenelzine
- Selegiline
- Tranylcypromine

➤ **ATYPICAL ANTIDEPRESSANTS**

- Bupropion
- Mirtazapine
- Nefazodone
- Trazodone
- Vilazodone
- Vortioxetine



CHAP#4 ANTIPSYCHOTIC DRUG

FIRST-GENERATION ANTIPSYCHOTIC (low potency)

Chlorpromazine
Thioridazine

FIRST-GENERATION ANTIPSYCHOTIC (high potency)

Fluphenazine
Haloperidol
Loxapine
Perphenazine
Pimozide
Prochlorperazine
Thiothixene
Triuoperazine

SECOND-GENERATION ANTIPSYCHOTIC

Aripiprazole
Asenapine
Clozapine
Iloperidone
Lurasidone
Olanzapine
Quetiapine
Paliperidone
Risperidone
Ziprasidone

