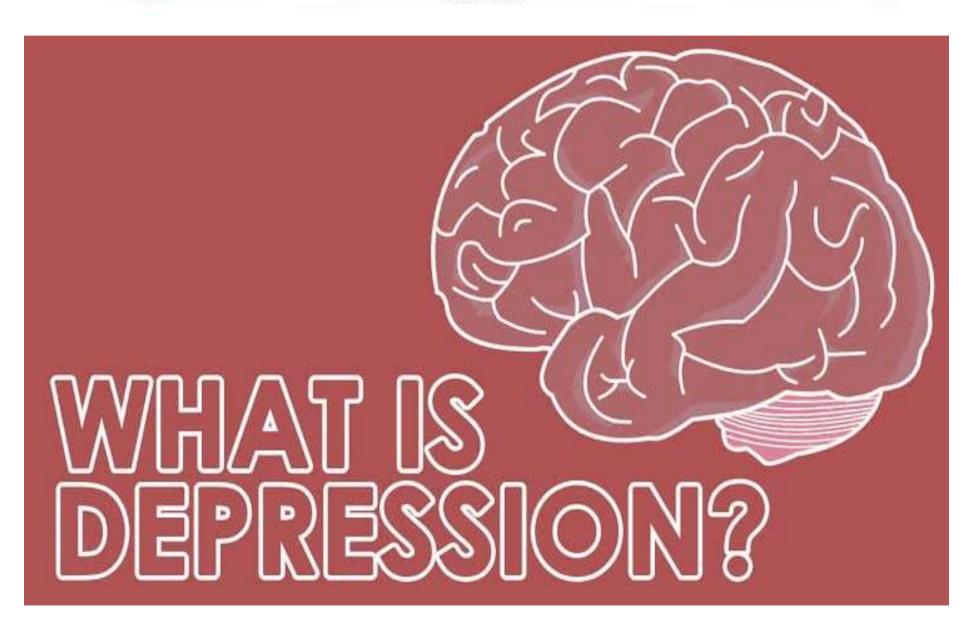


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INTRODUCTION

- Depression is a psychiatric disorder characterised by persistent feeling of sadness, depressed mood which leads to loss of interest in various activities causing significant impairment of daily life.
- It is a common mental disorder.
- Commonly it is associated with the elevation or lowering of persons mood.

EPIDEMIOLOGY

- More than 265 million people affected globally.
- 10-15 % of general population experience clinical depression.
- More common in females.
- Close to 8 lakh people commit suicide globally.

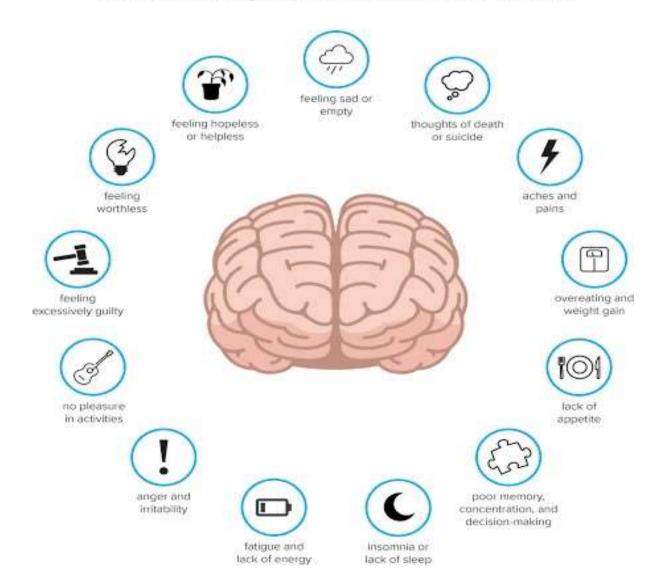
ETIOLOG

- Y Chronic illness: cancer, AIDS, renal failure.
- Stress: stress increase cortisol level which may decrease serotonin level.
- Drugs: drugs like steroids, beta blockers, bezodiazepines, anti convulsants, statins.
- Environmental factors: death, sexual abuse, unemployment.
- Genetics: inherited from parents to children.

SYMPTOM S

MEDICAL NEWS TODAY

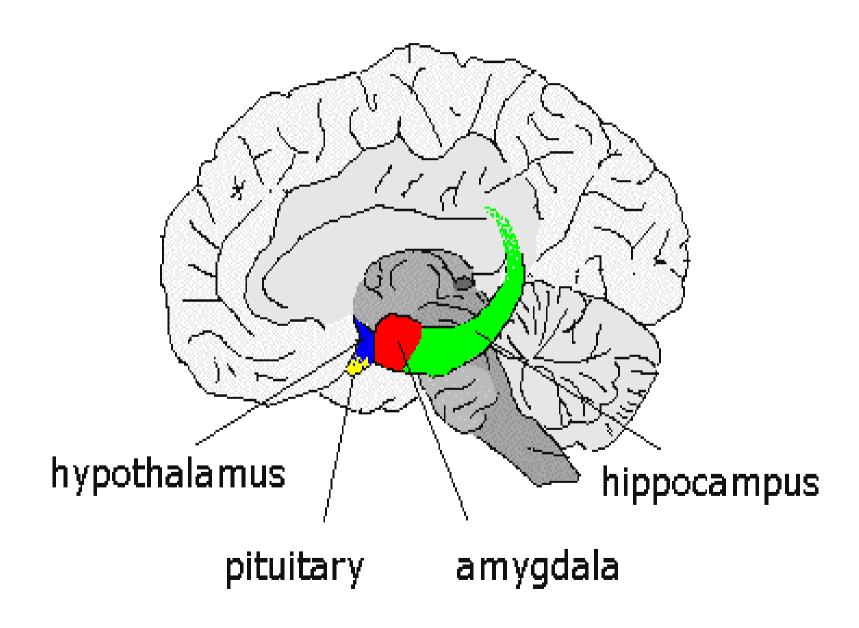
Common Symptoms of Depression



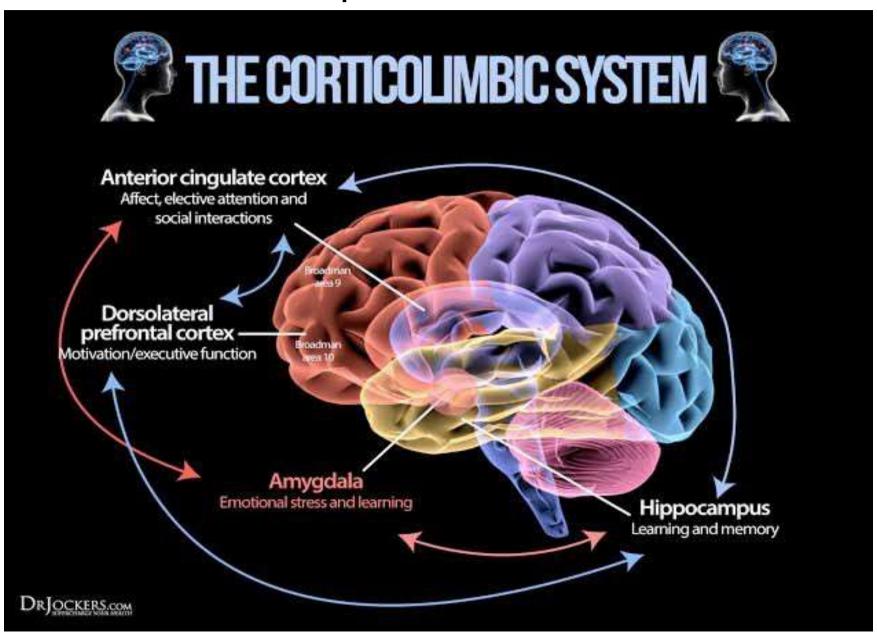
TYPES OF DEPRESSION

- Major depressive disorder (MDD)
 Symptoms persist for more than 1 week.
- Persistent depressive disorder
 Persist for period of 2 years.
- Bipolar depression
 Cycles of mood swings from mania to depression.
- Postpartum depression
 Occur soon after child birth.
 Hormonal changes.
- Premenstrual dysphoric disorder (PMDD)
 Significant mood symptoms during menstrual phase.

PATHOGENESI S



Connective abnormalities in cortico limbic network leads to depression.



Raphe nucleus- serotonin Locus coeruleus- Nor adrenaline Substantia nigra- Dopmine

- Normally, serotonin(happy chemical) level is high in excited state.
- Serotonin regulates Nor adrenaline or Not epinephrine.
- Nor adrenaline or not epinephrine regulates Dopamine.
- In case of depression, there is a low level of serotonin, Nor adrenaline and Dopamine.

Dopamine hypothesis

- Neural circuits in the limbic region gets constricted
- Constriction of neural networks leads to decreased production of Dopamine.
- Or increased uptake(uptake is by the Dopamine decarboxylase or Monoamine oxidase called MAO) of dopamine.
- Causes less dopamine level in CNS.
- Finally, there is a decreased hippocampal volume
- Which leads to depression.

DIAGNOSIS

- Persistent feeling of sadness.
- Low mood.
- Loss of usual activities for at least two weeks.

TREATMENT

Use of Anti-depressant drugs.

CLASSIFICATION OF ANTIDEPRESSANT DRUGS

- SSRIs: Citalopram, Escitalopram, Fluoxetine, Fluvoxamine, Paroxetine, Sertraline.
- SNRIs: Duloxetine, Venlafaxine, Desvenlafaxine, Milnacipram.
- SEROTONIN RECEPTOR ANTAGONIST: Mirtazapine,
 Nefazodone, Trazodone, Atomoxetine, Bupropion, Mianserin.
- 4) MAOIs: Phenelzine, Selegiline, Tranylcypromine, Moclobemide.
- 5) TCAs: Amitriptyline, Clomipramine, Doxepin,
 Imipramine, Trimipramine, Reboxetine, Amoxapine, Desipramine,
 Maprotiline, Nortriptyline, Protriptyline.

