



MAJOR DEPRESSIVE DISORDER

MEHATHAB MAJEED, MS4



**LIFETIME INCIDENCE OF MDD VARIES BY
POPULATION, HOWEVER FEMALES ARE
2X MORE LIKELY TO DEVELOP MDD**

**MDD IS ESTIMATED TO AFFECT ABOUT
20% OF PEOPLE AT SOME POINT IN THEIR
LIFE.**

**ABOUT 7% OF THE UNITED STATES
POPULATION ARE NEWLY DIAGNOSED
YEARLY.**

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DSM-5 CRITERIA

DSM-5 CRITERIA IS USED TO HELP DIAGNOSE MDD, AT LEAST 5 OF THE FOLLOWING SYMPTOMS OVER A 2 WEEK PERIOD CAN LEAD TO A DIAGNOSIS OF MDD:

S- SLEEPING TOO MUCH OR TOO LITTLE

I - INTEREST, LOSS OF INTEREST

G - GUILT, FEELING WORTHLESS

E -ENERGY, LOSS OF ENERGY, FATIGUE

C - CONCENTRATION, DECREASED

A - APPETITE SUPPRESSION

P - PSYCHOMOTOR AGITATION

S - SUICIDAL THOUGHTS

OTHER DIAGNOSTIC TOOLS FOR MDD:

CLINICIAN ADMINISTERED TOOLS:

- PHQ-9
- HAMILTON DEPRESSION RATING SCALE
- MONTGOMERY ASBERG DEPRESSION RATING SCALE
- MINI INTERNATIONAL NEUROPSYCHIATRIC INTERVIEW

SELF ADMINISTERED TOOLS:

- BECK DEPRESSION INVENTORY
- ZUNG SELF RATING DEPRESSION
- GERIATRIC DEPRESSION SCALE

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FUNCTIONAL MRI

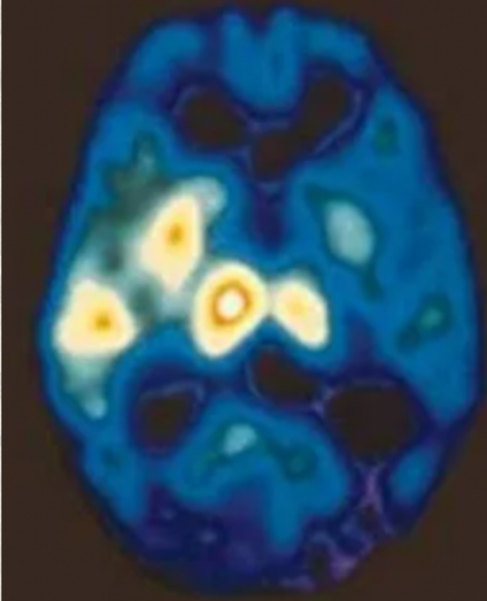
ABLE TO CAPTURE IMAGES OF THE
BRAIN'S ANATOMY

CAN DETECT CHANGES IN BLOOD FLOW
WHICH CAN HELP MEASURE BRAIN
ACTIVITY

OVERALL FMRI CAN HELP BETTER
UNDERSTAND HOW THE BRAIN
CIRCUITS, FUNCTIONAL
CONNECTIVITY, STRUCTURAL
CHANGES, AND CHEMICAL BALANCE'S
ARE AFFECTED BY DEPRESSION

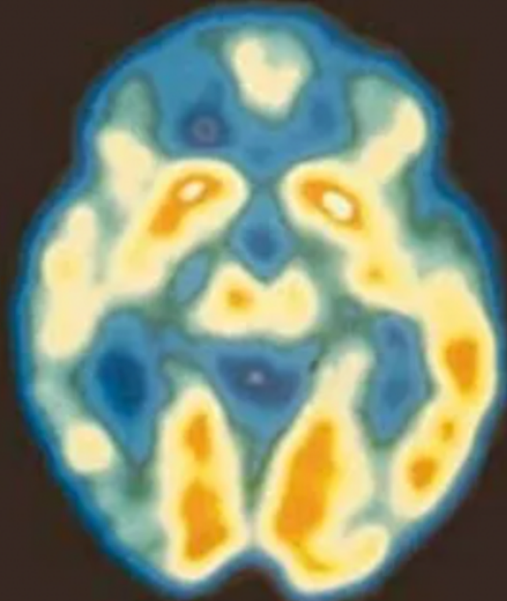
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Depressed



MRI SCAN SHOWING REDUCED BRAIN ACTIVITY
IN A DEPRESSED BRAIN

Not depressed



MRI SCAN OF BRAIN ACTIVITY IN A BRAIN
WITHOUT DEPRESSION

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