

ALZHEIMER'S DISEASE

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About

Alzheimer's disease is a progressive neurodegenerative condition that affects the brain and causes memory loss, cognitive decline, behavioral changes, difficulties with words when speaking or writing, poor judgment, mood and personality changes, and confusion with time and place, among other symptoms.

Causes

Age: Advancing age is the primary risk factor.

Genetics: Certain gene mutations, such as those in the APP, PSEN1, and PSEN2 genes.

Amyloid Protein: It is thought to be caused by the abnormal build-up of amyloid-beta and tau proteins in and around brain cells.

Diagnosis

Memory, thinking, and problem-solving abilities can be evaluated using cognitive and neuropsychological tests. Imaging strategies (X-ray, PET outputs) to distinguish cerebrum changes. Amyloid plaques can be identified using biomarker tests like amyloid PET and cerebrospinal fluid analysis.

Treatment and Prevalence

There's currently no cure for Alzheimer's disease. But there is medicine and supportive therapies available that can temporarily reduce the symptoms. Alzheimer's disease affects a significant number of people worldwide, with at least 55 million individuals suffering from the condition. In India, As India's population ages, the number of people with dementia and Alzheimer's is set to rise to 7.6 million by 2030.