

Alzheimer's disease diagnosis

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Extracellular [amyloid- \$\beta\$ \(A \$\beta\$ \) plaques](#) and intracellular aggregates of [tau protein](#) in form of [neurofibrillary tangles](#) (NFT) are [pathological hallmarks](#) of Alzheimer's disease (AD).

Brain imaging with [positron emission tomography](#) (PET) and [cerebrospinal fluid](#) (CSF) [biomarker](#) studies highlighted the long preclinical phase of AD in which a cascade of detectable biological abnormalities precede [cognitive decline](#). The recent proliferation of imaging and fluid biomarkers of AD pathophysiology provides an opportunity for the identification of several biological stages in the preclinical phase of [Alzheimer's disease](#) ¹⁾.

Positron emission tomography

[Positron emission tomography for Alzheimer's disease diagnosis](#)

Biomarkers

[Alzheimer's disease biomarkers](#).

¹⁾

Therriault J, Zimmer ER, Benedet AL, Pascoal TA, Gauthier S, Rosa-Neto P. Staging of Alzheimer's disease: past, present, and future perspectives. Trends Mol Med. 2022 Jun 15:S1471-4914(22)00137-X. doi: 10.1016/j.molmed.2022.05.008. Epub ahead of print. PMID: 35717526.

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