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Alzheimer's neuropathology and its possible association

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Dementia is a severe public health issue that affects 47 million people in the world. The most common cause of dementia is Alzheimer's disease, a progressive and irreversible neurodegenerative disorder that affects 60% to 80% of all patients diagnosed with dementia. Alzheimer's disease is characterized by cortical and subcortical atrophy, neurofibrillary degeneration and accumulation of amyloid plaques in the brain, and it severely affects the quality of life of those who have it. The prevention of this disease involves identifying the risk factors that might activate or aggravate its neurodegenerative process. In this context, recent studies are evaluating a possible association between Alzheimer's disease and periodontitis, in the sense that the induction of a chronic inflammatory state by the periodontal disease seems to develop or aggravate neuroinflammatory states that are typical of Alzheimer's disease. The extensive study of bibliographic contents available at the PubMed platform, which resulted from a search with the terms "Alzheimer's disease", "dementia", "systemic diseases", "periodontitis", "periodontal disease", "amyloid

plaques" and "prevention", as well as the study of the books Clinical Periodontology and Implant Dentistry and Enfermedad de Alzheimer y otras Demencias, allowed to gather the latest information on a likely association between periodontal disease and Alzheimer's disease. Considering the high prevalence of these conditions and the significance of Alzheimer's as a Public health problem, it becomes imperative to study the modifiable risk factors associated with this serious and incurable condition.

References

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