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In this issue

Research Article

Open Access Research Article PTZAID:AADC-9-132

Cognitive Development and Grey Matter Enhancement via Auto-Generated Neural Impulse Modulation: A Speculative Framework for Alzheimer's Risk Reduction

Published On: December 09, 2025 | Pages: 020 - 028

Author(s): Shijo George*

Grey matter atrophy is a hallmark of Alzheimer's disease (AD) and related dementias. This paper proposes a theoretical framework describing how "auto-generated neural impulses" (AGNI)—an umbrella term for endogenous stimulation patterns including homeostatic plasticity, neurotrophic regulation, and intrinsic oscillatory reinforcement—might influence grey matter densit ...

Abstract View Full Article View DOI: 10.17352/aadc.000032

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Beyond the Diagnosis: Identifying Major Risk Factors for Dementia in a Clinical Setting

Published On: May 30, 2025 | Pages: 001 - 010

Author(s): Noor Ahmed Khosa, Syed Muhammad Essa*, Shahrukh Shoaib, Sakina Gul and Noman Haq

Background: Dementia is a serious health issue, and effective management requires an understanding of its risk factors. The purpose of this study was to assess dementia risk factors in patients from Bolan Medical Complex Hospital, Quetta. Methods: From April 2021 to April 2024, a cross-sectional study was carried out with participants aged 18 and older who had been d ...

Abstract View Full Article View DOI: 10.17352/aadc.000029

Letter to Editor

Open Access Letter to Editor PTZAID:AADC-9-131

Why Does Neuroplasticity Fail to Rescue the Alzheimer's Brain? Biological Brakes and Philosophical Reflections

Published On: October 02, 2025 | Pages: 017 - 018

Author(s): Beyza Aksu and Bekir Faruk Erden*

Alzheimer's disease represents a paradox in which the brain's intrinsic capacity for neuroplasticity fails to prevent progressive decline. Unlike stroke, where intact circuits can reorganize and restore function, AD is marked by diffuse degeneration and active molecular brakes that suppress recovery. This article reviews the dual barriers of myelin-associated inhibito ...

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Mini Review

Open Access Mini Review PTZAID:AADC-9-130

Recent Developments on Alzheimer's Intervention: A Mini Review

Published On: July 03, 2025 | Pages: 011 - 016

Author(s): Aina Oluwafemi S* and Ojini Kelechi I

Alzheimer's disease (AD) is a progressive neurodegenerative disorder characterized by amyloid-beta plaque deposition, tau protein tangles, neuronal loss, and cerebral atrophy, leading to cognitive decline and memory impairment. Traditionally, treatments have primarily addressed symptoms without targeting the disease's underlying pathology. However, recent advances hav ...

Abstract View | Full Article View | DOI: 10.17352/aadc.000030