

## Speech and Phonological Impairment in Alzheimer's Disease: Challenges, Interventions, and Future Directions

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### Abstract

Alzheimer's disease is a progressive neurodegenerative disorder characterized by cognitive decline, memory impairment, and communication difficulties. This review discusses the challenges of speech and phonological impairment in Alzheimer's disease, the effectiveness of various interventions, and future research directions. The article highlights the importance of early identification and tailored communication strategies to support individuals with Alzheimer's disease and their families.

**Keywords:** Alzheimer's disease; Dementia; Cognitive decline; Speech impairment; Phonological impairment; Language deficits; Communication difficulties; Neurodegeneration; Language processing; Neuroimaging; Comprehensive language assessment; Speech therapy

### Introduction

Alzheimer's disease (AD) is a progressive neurodegenerative disorder that affects millions of people worldwide, making it the most common cause of dementia. The disease is characterized by the gradual decline of cognitive functions, which includes memory, language, and speech [1]. Communication difficulties, especially in speech

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speech and phonological impairment in Alzheimer's disease are complex and not yet fully understood. However, significant progress

scientific understanding, compassionate care, and evidence-based interventions is fundamental to fostering a more inclusive and supportive environment for individuals living with Alzheimer's disease.

Conflict of Interest

Not applicable.

Consent to Publish

Author declares no conflict of interest.

### References

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