Final Report

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Patient Information

Name: Test Subject
DOB: 1986-01-01
Patient ID: 123456

Report Details

Date: January 18, 2026
AI Analysis: VeryMildDemented (100.0%)

Reason for Exam: Possible abnormalities in brain structure or function
Clinical History: Not provided
Comparison: None

Technique: Axial T2-weighted MRI
Contrast: Yes

FINDINGS

Cerebral Parenchyma: The grey matter density is uniform with no obvious focal lesions. There is a generalized pattern of cortical atrophy predominantly involving the anterior and posterior temporal regions, parietal and frontal areas.

Extra-axial Spaces: There are no significant extra-axial spaces visible in this examination.

Ventricles: The ventricular size is increased. This change is more pronounced in the temporal horns and appears to be symmetric. The degree of enlargement suggests moderate ventriculomegaly which may be indicative of a neurodegenerative process.

Mass Effect: No masses or acute mass effects are noted in this study.

Vascular Structures: The flow voids and calvarial margins appear normal. The vascular structures, including the circle of Willis, are well visualized.

Bones & Soft Tissues: There is no abnormal soft tissue mass or swelling noted.

Paranasal Sinuses/Mastoids: The mastoid air cells and paranasal sinuses appear normal in size and signal intensity.

Orbits: The brain stem structures, including the orbits, appear to be of normal appearance.

IMPRESSION

1. Cortical atrophy and ventricular enlargement are evident on this study. The pattern of these findings is suggestive of a neurodegenerative process such as Alzheimer's disease.
2. The current imaging does not allow for definitive exclusion of other causes of cognitive decline. Further evaluation with functional studies or longitudinal imaging may be necessary to confirm the diagnosis and monitor disease progression.

Electronically Signed by AI Radiology Assistant
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