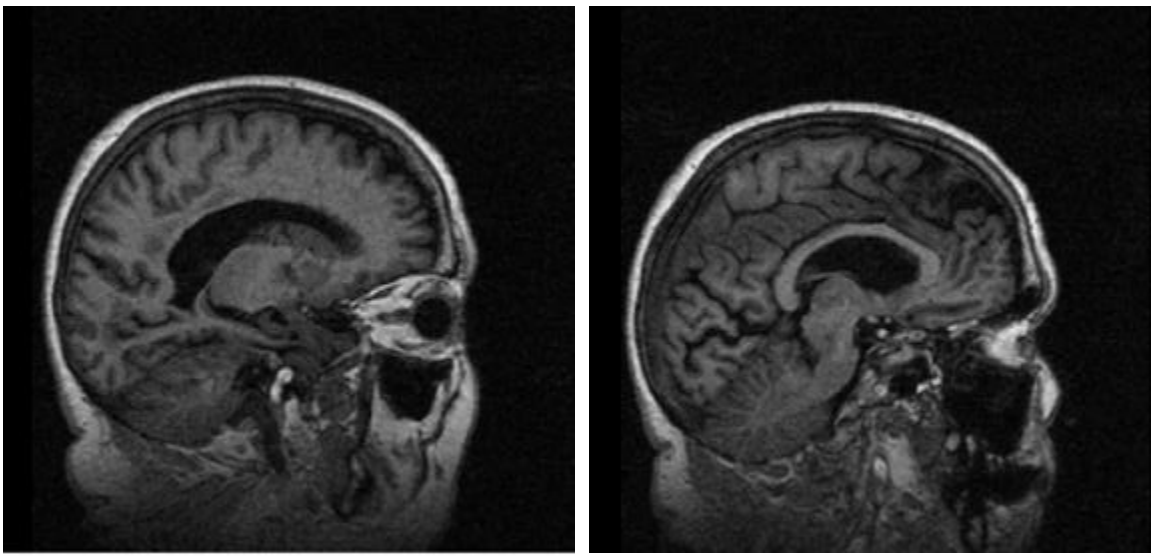
Alzheimer disease Report

Patient Name:	HAN, IUM
Patient ID:	2408271
Age:	72 yr
Gender :	Female
Date of Birth:	1953.03.27

Department:	Neurology	Types of radiology:	MRI
Indication/Diagnosis:	Alzheimer’s Disease	Test Date:	01-Aug-2024
Medications:	HTN	Test time:	14:12:00
Ordering Physician:	CHO, CHAEEUN	Report Date:	05-Aug-2024
Radiologist:	SONG, YEOGYEONG		

AI Interpretation

MRI



Diagnosis:Alzheimer’s Disease
Accuracy: 0.963

Physician Manifestation

Imaging Summary: The patient underwent a brain MRI due to suspected Alzheimer's disease. Below are the findings from the MRI analysis.

Imaging Findings:

1. **Brain Atrophy:**
    - Significant atrophy of the hippocampus, particularly in both temporal lobes, is observed. Hippocampal atrophy is a hallmark feature of Alzheimer's disease.
    - Mild atrophy is also noted in the mesial temporal lobe and other regions of the temporal lobes.
2. **Ventricular Enlargement:**
    - There is enlargement of the lateral ventricles and the third ventricle due to overall brain atrophy.
    - This ventricular enlargement is often associated with periventricular white matter changes.
3. **White Matter Hyperintensities:**
    - High-intensity white matter signal abnormalities are detected in the temporal and occipital lobes. These findings can be associated with the progression of Alzheimer's disease.
4. **Other Findings:**
    - No other significant abnormalities are observed in the brain. There is no evidence of acute lesions such as hemorrhage, tumor, or infarction.

Conclusion: Based on the MRI findings and the patient's clinical symptoms, a diagnosis of Alzheimer's disease is strongly suggested. The observed hippocampal and temporal lobe atrophy, ventricular enlargement, and white matter changes are consistent with typical imaging findings of Alzheimer's disease. Therefore, the patient is likely suffering from Alzheimer's disease, and further neuropsychological testing and treatment planning are recommended.

Recommendations:

- A detailed neuropsychological evaluation is advised to assess the stage of Alzheimer's disease.
- Collaboration with neurology for appropriate pharmacological and non-pharmacological treatment options is recommended.

Signed: SONG, YEOGYEONG **Date: 05-Aug-2024**