

Iconographic Review of Normal and Pathological Imaging of the Hippocampus in Geriatrics

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ABSTRACT

The objective of this work was to provide an iconographic and narrative review of the normal and pathological aspects of the hippocampus of the elderly subject in imaging. Know how to perform a routine 1.5 Tesla MRI hippocampal study. Recognize the main hippocampal anomalies during degenerative, infectious, vascular, inflammatory, tumor, toxic and metabolic. Take home message: interest of MRI in the study of the tonsil-hippocampal regions. Know the basics of the Anatomy of the Hippocampus and the Limbic System. Recognize the main hippocampal anomalies, during degenerative, infectious, vascular, inflammatory, tumor, toxic and metabolic. summary The hippocampus is a small brain structure, internal temporal, playing a primary role in the mechanisms of memory. Magnetic resonance imaging (MRI) is the imaging modality of choice for the analysis of this structure. At the elderly, dementias represent the majority of causes of hippocampal abnormalities, especially atrophic, but other specific pathologies constitute differential diagnoses to be known in this population.

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Introduction

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Know how to perform a routine 1.5 Tesla MRI hippocampal study.

Recognize the main hippocampal anomalies during degenerative, infectious, vascular, inflammatory, tumor, toxic and metabolic.

Take home message

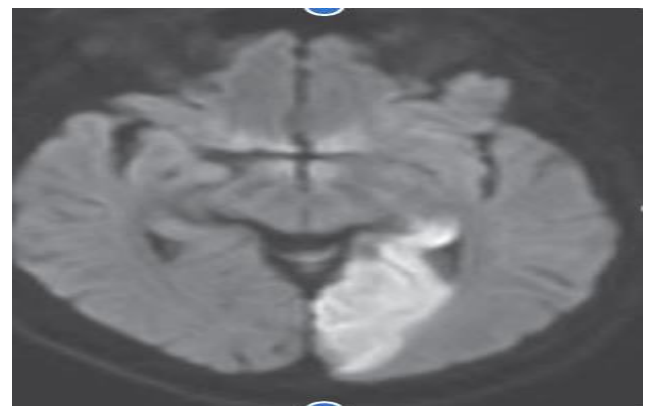
Interest of MRI in the study of the tonsil-hippocampal regions.

Know the basics of the Anatomy of the Hippocampus and the Limbic System.

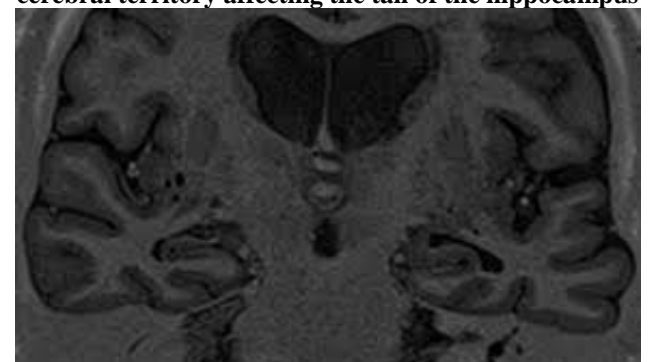
Recognize the main hippocampal anomalies, during degenerative, infectious, vascular, inflammatory, tumor, toxic and metabolic.

Summary

The hippocampus is a small brain structure, internal temporal, playing a primary role in the mechanisms of memory. Magnetic resonance imaging (MRI) is the imaging modality of choice for the analysis of this structure. At the elderly, dementias represent the majority of causes of hippocampal abnormalities, especially atrophic, but other specific pathologies constitute differential diagnoses to be known in this population.



Axial view Diffusion showing stroke of the left posterior cerebral territory affecting the tail of the hippocampus



Coronal T1-weighted inversion recovery centered on the hippocampus show of small hippocampal cysts.