

# Diagnosis of Liver Diseases Using Case-Based Reasoning

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## Abstract

*Case Based Reasoning methodology presents a foundation for a new technology of building intelligent computer-aided diagnoses systems. This technology directly addresses the problems found in Artificial Intelligence (AI) techniques. It is aiming to make computer behave more intelligence, the formation of subfields Case-Based Reasoning (CBR). CBR involves the solving new problems by recalling old problems and their solutions and adaptation these previous experiences represented as cases. This paper aims to develop a CBR application that implements the diagnostic system of liver diseases. In CBR's retrieval process Nearest Neighbor Algorithm is used to find the most similar case or relevant cases for new case in the case base. In this paper, liver symptoms, sign and laboratory investigations are given as inputs and provide the diagnosis result of liver diseases as output.*