

Diagnosis of HIV/AIDS stages and Treatments by using Case-based Reasoning Approach

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Abstract

At present, there are many diseases at each case so that it is difficult to get a correct diagnosis. And, consultation with a specialist is one of the solutions in clinical problem, but frequently medical expert opinion can't be got in time. Moreover, for a patient, the availability of medical expert is a problem whenever he/she feels the disease. In the absence of a specialist doctor, to help the patient, an artificial diagnosis system is necessary to get useful suggestions. So, the system is develops diagnosis of HIV infection stages and treatments in adults by using Case-based reasoning (CBR). In this system, case-based diagnosis system try to retrieve past cases whose symptoms lists are similar in nature to that of the new case and suggest diagnose based on the best matching retrieved cases. The objective of case-based system is to find the case which the maximum similarity to the input cases. This system supports the diagnosis of four stages of HIV infection stages and suggest treatments.