Diagnosis of Red Eye Diseases based on Case-based Reasoning

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Abstract

As the technology grows rapidly, many people take a great interest in computer and then computer-based methods are increasingly used to improve the quality of the medical services. Human experts in medical field are frequently in great demand. Nowadays, medical diagnosis reasoning is a very important application area of computer-based system. The primary goal of this thesis is to develop a case-based system where a new patient could be quickly compared to the numerous cases in the databases. The objective is to find the closest match that can be reused to support a problem and makes a decision based on CBR problem solving cycle. It uses the TCBR approach for case retrieval and revises the retrieved case solution by using adaptation rules. The system can also retain the successful case solution for future assistance. Case-based reasoning methodology presents a foundation for a new technology of building intelligent computer aided diagnosis systems. In this paper we identify the strength .