ABSTRACT

AN EXPERT SYSTEM APPLICATION BASED ON THE RULES OF CASE STUDY IN PERIODONTAL DISEASE

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An expert system is one part of artificial intelligence that end - the end is experiencing rapid growth of this system is designed to replicate the expertise of an expert in answering questions and solve a problem.

Expert systems are computer programs that can store knowledge and rules of a particular expert. Expert system is very helpful for decision making, which this expert system can collect and store the knowledge of a person or persons experts in a knowledge base (knowledge base) and using a reasoning system that resembles an expert in solving problems. Periodontal disease since a few years this has evolved into an increasingly important part in the curriculum of medical education.

Periodontal disease is a field that has the competence. To facilitate the knowledge and understanding of periodontal disease then, they invented rules-based expert system case study: Periodontal.

*Keywords : **p**eriodontal, rules, expert system*