# Medical Diagnosis Assisted Nursing Process Support System

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## Abstract

Advances of computer technology brings the consideration of medical information system. The use of expert system or decision support system as a second opinion in most of the healthcare providers, indicates high performance of medical information system today. In nursing care, nurses use expertise and assessment skills instead of inferencing through critical thinking to make nursing diagnoses and care plans. But in the nursing process, more information is needed to make decision and judgement.

Nevertheless almost all existing care planning systems only provide sheets of uniform forms to fill in with nursing plans.

The goal of our research is to suggest the Medical Diagnosis Assisted Nursing Process Model which is a web-based Nursing Process Support System consisted of physician-diagnosis-aided patient-centered evaluation tools. Those evaluation tools are primarily inference mechanisms to convert diagnoses into evaluation automatically.

The virtues of our Nursing Process Support System includes higher assessment accuracy and more concrete flows from assessment to diagnosis. It helps the nurses to state diagnosis and proper intervention which will also become caring standards. Computerization of nursing history allows nurses to get rid of the duplication of patient history writing to raise completeness and consistency of documents. It can be seen that putting theory into practice with the aids of Nursing Process Support Systems will in turn make a breakthrough in nursing teaching and research.