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Assisted prescription for improving treatments in Obstetrics-Gynecology Department

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Abstract

It is important to have all the medical information of the patient on electronic support. At this point it is important that all medical information to be available in real time. Working with a great amount of data the medical staff will need focused information to support their activities related to diagnosis and treatment. The paper presents a tool which supports these activities making suggestions regarding the patient treatments from which the doctor may select the most appropriate one. This tool is tested in the Obstetrics-Gynecology Department from County Hospital Timisoara. The physician can access the Obstetrics-Gynecology Department Information System where he inputs a treatment for the patient or receives suggestions from the system, based on the current diagnosis and specific characteristics of the patient. If the physician considers that the system suggested treatment is good he/she may acknowledge it as such or if not may assess it as not useful. Only in the case that the physician agrees the suggested treatment, it will be saved in the database. Using this information system the physician may use tested treatments that have good results. The big amount of data and economical reasons recommend as technical solution Cloud computing. The proposed solution is easy accessible and easy to disseminate potentially leading to better treatments for the patient improving care.

Keywords

Author Keywords: prescription; treatments; xml; ob-gyn; cloud computing

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