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# Research on a support system to make an explanatory letter for a patient

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We developed the system which supports making a letter explanatory for a patient based on POMR and the medical information centering on a patient's problem is offered.

At present, discredit has been rising by medical mistake. The joint ownership of the medical information by the informed consent and the importance of a thing to provide have been rising to get rid of a feeling of discredit for medical mistake. A patient confirms it about his body based on the provided medical information, and wants to participate in the treatment actively. A method by the orality and the sentence is being done as the way of providing medical information for the patient in the spot of the medical treatment. There are two methods in the way of providing medical information by the document. The first is the method of disclose the medical record itself. The 2nd is the method of offering the summary of medical record.. There is a problem which can't be understood even if a patient reads a medical record. This problem is one of the causes of the obstruction of the information joint ownership between the doctor and the patient. Therefore, there is a method of offering explanatory letter for a patient. This method is how to take informed consent seriously. Participation in the patient's active medical treatment is suggested as that result. Therefore, although it is a good method for a patient, for a doctor, it is a time-consuming method.

Therefore, although it is a good method for a patient, for a doctor, it is a time-consuming method. In order to reduce a doctor's burden, there is "my electronic medical record" which computerized the character of explanation. The information indicated by my electronic medical record is divided for every sources of information. A method to divide into every

information and to mention is called SOMR(Source-Oriented Medical Record). The relations of the information aren't clear with SOMR. And, a patient's problem and the relations of the mentioned information aren't clear. Therefore, when it is going to observe a patient's problem, you have to refer to all information. In order to offer medical-examination information paying attention to a patient's problem, it is necessary to arrange information for every problem which a patient has, and to provide to a patient. There is POMR which can manage information for every problem to SOMR which divides and manages information. As for POMR, information is indicated for every problem of a patient. Therefore, the relation of the information and problem which are indicated is clear. Therefore, POMR can clarify relation between a disease and medical-examination information, and can offer it. We did the proposal of the explanatory letter for a patient based on POMR which moved a patient's problem to the center. We proposed the description for patients based on POMR treated focusing on a patient's problem, and built the support system for actually creating it. Since POS System was mounted, POS considered how the problem would be arranged with an actual medical examination. Consequently, the stage which clarifies a patient's problem was observed. The information collected when clarifying a problem has a problem and relation. There is SOAP form which makes it possible to observe one problem analytically. You should observe the problem analytically. Therefore, the information collected by the stage which clarifies a problem is arranged in SOAP form. SOAP form that a problem can be indicated analytically is used for the form of the explanatory letter for a patient for patients. Contents are made by editing each item of SOAP. As for the explanatory letter for a patient, the problem is arranged for every patient, and the contents were written down so that a patient might also understand. As mentioned above, as for the explanatory letter for a patient based on created POMR, information, such as a medical treatment basis and the contents of medical treatment, is arranged for every problem. Therefore, it becomes easy for a patient to grasp the whole condition-of-disease image. Moreover, the effect of a patient being able to understand a problem concretely is expected.