Ergonomics Approach: Prescription error prevention for the healthcare industry

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1. Introduction:
Patient safety always is concerned by everybody, human would get sick, so medicine have seemed important for the patient, so the medicine perfection and completeness would be most important for the patient. And prescription error prevention is aim of this study.

2. Method:
The research process have three parts: 1) to use Hierarchical Task Analysis (HTA) to build up the standard procedure by observed the workplace in hospital of pharmacists, 2) to use Systematic Human Error Reduction and Prediction Approach (SHERPA) to analyse error type and design the questionnaire for distribute at the same time.

3. Results:
According to the result, the most frequency of the error is Action Error; the second of the error is Checking Error. Prescriptions procedure is complicately and multistep, and its aim is going to decrease any probability of human error, it must do a great effort to stop any chance of error happened.

4. Discussion:
Prescription procedure must check precisely, but some part of procedure is still not insufficiently, it must improve and revise continuously, the patients could feel safety when using the medicine and decrease the prescription error or medical dispute. After the research, we have given some advice for the hospital.

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