|  |  |  |  |
| --- | --- | --- | --- |
| No. | Requirement & problems | solution | note |
| 1 | Review patient’s historical medical records and documents (including those from other clinics and hospitals) | * **Use patient’s memory chip ~~which can protect the patient’s privacy and also record all historical medical records of this patient.~~** * At the end of the session, the system will clear the patient’s medical records in doctor’s personal computer and update new records in their medical chip card.. * **When meeting a patient, the doctor will have a dashboard to show all required and necessary information in one screen, including diagnosis and compiled medical test results, better with graphs or charts to show these.** | The dashboard can be more visual, so the doctors don’t need to scroll all document in his personal computer and integrate the important information by himself |
| 2 | Record the diagnosis results | Give a template to record the diagnosis, and store it in the system |  |
| 3 | Make the prescription and send the list to pharmacy | * Template to make prescription * Submit the list to pharmacy   ---keep the current system feature | Won’t cause misunderstanding because of bad handwriting.  The process is well satisfied and the improvement is not needed. |
| 4 | Schedule medical lab test with lab department | Make a booking according to available machine and time for lab staff. | No more calling to the lab to check availability. |
| 5 | View patient’s medical test results | Electronic result reports can be stored in patient’s medical chip card, and also within the system. Doctors can view the results and reports with patient’s [authorization](http://www.youdao.com/w/authorization/" \l "keyfrom=E2Ctranslation). | (current situation) The results of blood tests is sent by fax to the receptionist.  The receptionist will send results into a folder and send it to the doctor. |
| 6 | * Give introduction to the receptionist to book a ward for the patient * Cancellation is also be done by receptionist | Done by receptionist.  Doctors would just send his introduction in an electronic version to the receptionist by the system. | (current situation) If the requested wards are not available, receptionist will call the patient back to check if they can make it on other dates; the receptionist also checks if a doctor is available to attend to the patient. This process continues until a ward is booked. |
| 7 | Visit the ward | * A portable device with a dashboard showing patient’s medical records and current conditions * Interns will make notes dictated by the doctor within the system and the doctor will check later | Electronic notes with template. Doctor would be easier to check the record with a formal format. |
| 8 | Notify receptionist to schedule next appointment with regular patients | Notification system (make appointment) |  |
| 9 | Notify receptionist to cancel the appointment with the patients | Notification system (cancel appointment) |  |
| 10 | To be notified about appointments (booking & cancellation)with patients by the receptionist | Notification system |  |
| 11 | ??what to do with foreign patients | --as a new patient  Only can ask them their medical history | Cannot be solved by the system. It needs to connect with other countries or hospitals medical system, which is difficult to be done. |
| 12 | Surgery arrangement | Doctor will inform lab system about surgery and arrange surgery date in clinic system | Need to call up the surgery department and provide patients’ ideal dates for bookings of surgery. |
| 13 | Maintain patient records confidentiality. | Each patient must be provided with the chip card which contains all their medical details and the chip is owned by the patient. |  |
| 14 | Triage A&E patients | The emergency patients’ condition are recorded in A&E department, and the doctor can access these records when he is going to perform the triage of the patient |  |
| 15 | Make doctor’s diary | The system will set a section to help doctors make their doctor diary and backup it in the system | It was in doctor’s personal computer |