

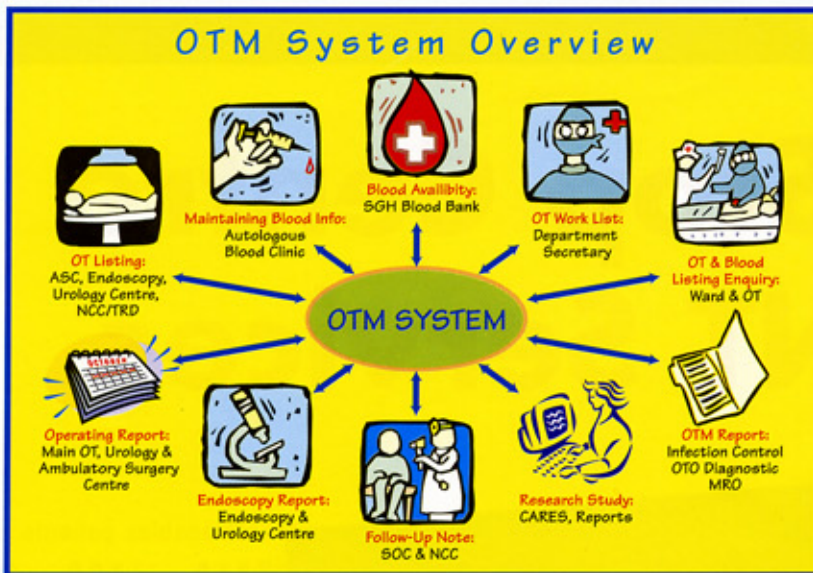


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WHAT'S NEWS

OTM System brings efficiency and enhances delivery of care



SGH took an innovative step towards more seamless and well-integrated process of scheduling and management of resources i.e. the theatre sessions with the implementation of the Operating Theatre Management (OTM) system. The system is made up of the Scheduling module which handles all the scheduling of patients for surgery and the Peri-operative module which captures the surgical details of operations done. The OTM System is also linked to Endoscopy System. The scheduling information captured is automatically transferred to the Peri-operative module or the Endoscopy System. This approach minimise the need for extra data entry by both the surgeons and endoscopists.

"The project involved working closely with our key end users from SOC, Urology Centre, ASC, Endoscopy Centre, MOT and NCC nursing staff as well as doctors from some of the surgical departments. IS support for the OTM project has been very fantastic and their efforts deserve to be commended. The end result is not just a system that simplifies the complex scheduling procedures for our OTs, but one that

can grow with the hospital to meet its present and future requirements," explains Ms Tan Geok Eng, Administrator Medical Board. The next module to be rolled out is the "On-line OT Chit".

OT Scheduling

The Operating Theatre Scheduling module was implemented in May 99, providing authorised medical staff with quick and easy on-line access to scheduling of hospital resources required for each surgery. One advantage of the system is that multiple users can make booking at any one time, and information including cancellation and rescheduling is updated on-line and in real time. This system is also accessible by the Pre-admission Testing staff who are kept informed of any change in surgery date.

Peri-operative Module

The peri-operative module captures a host of information including surgical operative notes to post-operative treatment plan, nursing intra and post-operative checklists, surgical implant information, laser usage and surgical

incident reports. There is also a charging component that allows the relevant charging information to be interfaced to the Financial System for charging purposes. With this in-place, there is no need for the doctors to write on the charge form.

Endoscopy System

This clinical system was designed by the doctors from Endoscopy and Urology Centres and nursing staff from SOC, Endoscopy and Urology Centres. The doctors involved were Drs Wong Wai Keong, Philip Eng, Yap Chin Kong, Tang Choon Leong, Khoo Khay Leong and Weber Lau.

Autologous Blood Information

The Autologous Blood information which allows staff at the Autologous Blood Clinic and SGH Blood Bank to capture information pertaining to autologous blood collected from the patient was implemented last November. In the pipeline is the plan to allow nursing staff in the ward and OT the function to know the availability of blood requested prior to surgery.

Department Specific System - Colorectal System

OTM was also designed to allow department specific systems to be interfaced. The Colorectal Surgery system captures detailed information specifically required by the department and it forms the department's clinical database from which the department uses the information for their research activities. Relevant clinical information is extracted from both the Endoscopy System and Peri-operative module. Backroom data capture is also provided in order to complete the whole clinical picture of the cases seen by the department.

