

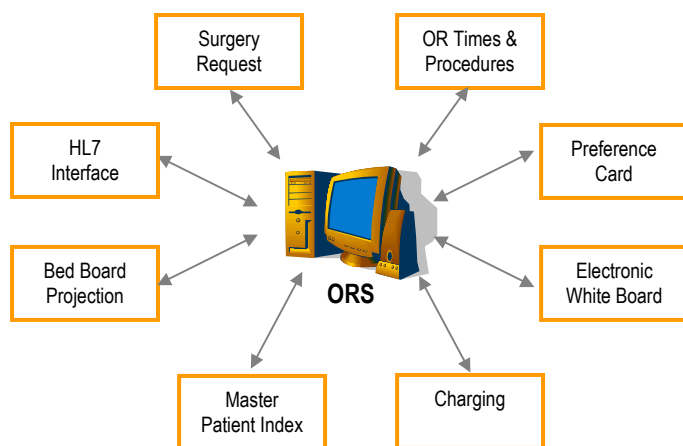


Operation Room Scheduling System



Copernicus™ is Eutech's Healthcare product suite and **Operation Room Scheduling** is one of Copernicus™ modules.

Operation Room Scheduling System (ORS) is a comprehensive solution for managing the activities of the Operation Room right from the time the surgeon decides that the patient needs a surgery to the time that the surgery has been completed, charges posted and the surgical process documented. The software has been designed in a manner to facilitate easy access to key information besides ensuring that the security of information.



Modules in ORS

Surgery Request & Scheduling

When the surgeon decides that patient requires a surgery, the Surgery Request information needs to be filled out in the system. It captures details such as;

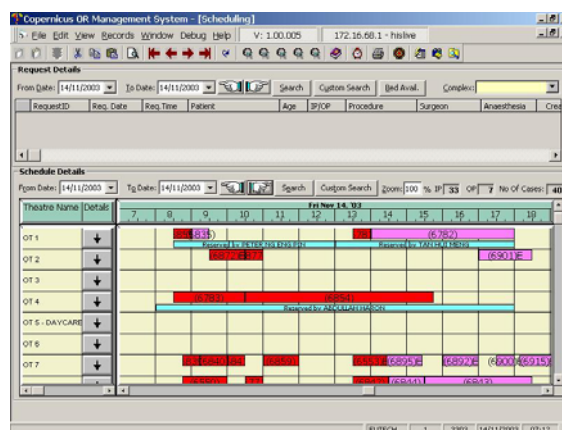
- Surgeon(s) involved
- Procedures that are going to be performed
- Insurance data of the patient

If the patient has already visited the facility, this information is picked up from the system thereby saving valuable time.

Key features of this module include:

- Handles multiple surgeons/procedures
- Facility to add multiple level of Add-on procedures
- Generation of Surgical Permit
- Integration with the Preference Cards for generating the Pick List

- Visual indication of length of stay for the procedures involved
- Classification of patient visits – Inpatient, Outpatient and Observation
- Handles the pre-surgery visit scheduling
- Documents the tests to be done, allergies and medications
- Captures complete Patient demographical and insurance information



OR Times & Procedures

The system captures vital information on pre-surgery & post-surgery events such as:

- Time of arrival of the patient
- Time at which the patient was moved into the OR
- Time at which anesthesia was started
- Details of Anesthetist
- Details of staff involved in the surgery
- Details of additional procedures performed during the surgery
- Time at which the surgery was completed
- Bed information, if the patient is under post-surgical care
- Patient's discharge details

Preference Card

ORS has a detailed preference card master where the following data are captured.

- Surgeon/Procedure
- OR Time, Anesthesia Time and Turn Over time
- Checklists and Investigations

- Detailed instructions for Surgeon-specific preferences for room setup, prep and position
- Inventory items including drugs and intra-op items
- Equipment and Instruments

Additionally, there are special features such as:

- Replacement of an item across preference cards, across surgeon specific preference cards or surgery specific preference cards
- Facility to internally review the preference cards and approve them
- Facility to activate/deactivate preference cards

Electronic White Board

The Electronic White Board ensures that the current status of the patient is displayed real time without any intervention from personnel. As the patient is tracked through pre-surgery, surgery and post-surgical care, the system updates the white board. Among other details, It displays:

- Staff assigned to the various cases
- Special requirements for equipment, material and manpower
- Multiple OR complexes and is configurable to show as many OR rooms as required with predefined frequency of data updates.

Print?	Req ID	Date	MRN	Surgeon	Pat. Name	Last Printed
	6848	13/11/2003	000045955	2111	NADZAH SHAR, ISMAIL	
	6849	13/11/2003	0	2709	LAU KODI MOOEI	
	6850	13/11/2003	000045956	1629	BERNARD LUMBERT	
	6851	13/11/2003	000045957	5662	ROBINSON, PHILIP VAN DER	
	6852	13/11/2003	0	3307	LOH AH MENG	
	6853	13/11/2003	000045958	5662	BERNARD LUMBERT	
	6854	13/11/2003	000045959	5662	BERNARD LUMBERT	
	6855	13/11/2003	000045960	3307	LOH AH MENG	
	6856	13/11/2003	000045961	1629	BERNARD LUMBERT	
	6857	13/11/2003	000045962	1629	BERNARD LUMBERT	
	6858	13/11/2003	000045963	1629	BERNARD LUMBERT	
	6859	13/11/2003	000045964	1629	BERNARD LUMBERT	
	6860	13/11/2003	000045965	1629	BERNARD LUMBERT	
	6861	13/11/2003	000045966	1629	BERNARD LUMBERT	
	6862	13/11/2003	000045967	1629	BERNARD LUMBERT	
	6863	13/11/2003	000045968	1629	BERNARD LUMBERT	
	6864	13/11/2003	000045969	1629	BERNARD LUMBERT	
	6865	13/11/2003	000045970	1629	BERNARD LUMBERT	

Charging

This module has a comprehensive charging routine, which sends all the supplies charges to the billing system. The charging is done by exception and the system has easy methods to select additional items which were not part of the initial case cart or pick list. This ensures that all the supplies used for the surgical procedures are captured and charged for.

Details of charging are available through comprehensive reports and the module visually displays the status of charging for every case.

The charging module is closely integrated with Copernicus™ Billing System and can also be interfaced with external systems through standard HL7 interfaces.

Patient Master Index (PMI)

Patient Master Index allows the user to capture complete demographical information of the patient including insurance data.

Information captured include:

- Patient Name & Residential Address
- Emergency Contact Address
- Billing Address
- Demographics such as Religion, Race & Residential status etc
- Insurance policy details including pre-cert data (Multiple policies can be defined for every patient)
- Guarantor data (if other than patient)

HL 7 Interfaces

A robust HL7 engine provides interfaces with other billing/clinical systems. The HL7 engine works as a standalone application generating HL7 messages from the data generated by the Copernicus™ Applications and sending them to the receiving applications.

Applicable messages for this suite of modules include:

- Admit/Discharge/Transfer (ADT)
- Billing
- Staff/Doctor Master

Reports

Admission and Discharges

- Bed Availability

Utilization Summary/Detailed Reports

- Surgeon-wise
- OR-wise

Revenue Reports

- By Cost Centre
- By Procedures

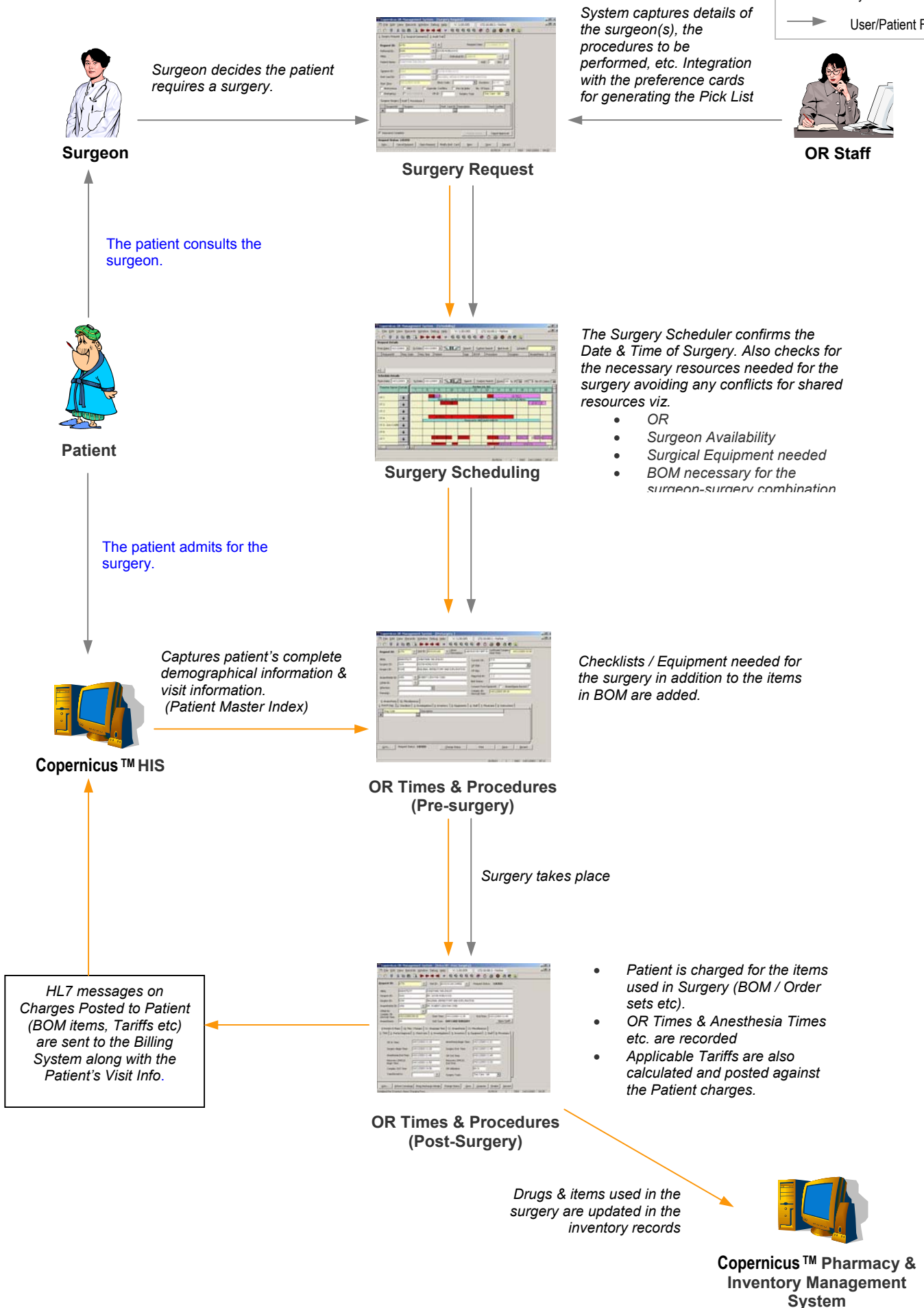
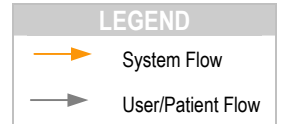
Statistical Reports

- Turnaround Time
- OR Utilized and Unutilized Time

Other Reports

- OR Estimated Vs. Actual Usage
- Preference Card
- Surgery Scheduling
- Surgery Day/Time Analysis

ORS Workflow



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Key Features

Operation Room Scheduling system improves efficiency by:

- Providing an easy to work with Graphical User Interface which ensures that scheduling is done easily and quickly
- Defining, Managing, Executing and Documenting the whole surgical process
- Integrated with the Master Patient Index (MPI) thereby ensuring accuracy of patient information
- Integrated with the patient account, thereby ensuring that charges are transferred for the right account
- Providing surgeon/surgery specific preference cards to ensure that right material/equipment is made available

Benefits

Operation Room Scheduling system reduces costs by:

- Reducing time spent by personnel in handling data/information
- Providing a unified approach to manage the Operation Room Suite
- Improving communication and visibility to all of the designated personnel as modules are interlinked
- Providing access to information in an easy manner that reduces staff time required for the functions
- Ensuring optimal scheduling of resources such as staff, equipment, doctors and material
- Patient/Staff tracking with Real Time Electronic White Board

Other modules in Copernicus™ Suite

- Hospital Information System
- Specialist Outpatient Clinic Information System (SOCIS)
- Pharmacy Management System
- Purchase Order & Inventory System
- Accident & Emergency System
- Mammography System
- Clinical Workstation System
- Electronic Medical Records
- Generic HL7 Engine

For more details on Copernicus™ and Eutech's client references contact:

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