



# Mammography Information System



Copernicus™ is Eutech's Healthcare product suite and Mammography Information System is one of Copernicus™ modules.

The Mammography Information System automates the entire workflow of the Mammography specialist clinic by reducing workload of nurses & radiologists.

System allows:

- Registering new patients for mammography tests
- Capturing preliminary examinations details
- Capturing detail information of lesions
- Capturing findings & recommendation
- Approving cases or sending the cases back for re-work

The Mammography Information system is a standalone module of the Copernicus™ Healthcare Information Suite. Data entry screen of the Mammography system are simple, straightforward and yet user friendly.

## User Levels & Security

There are three user levels for the system, namely,

- Supervisor (Administrator)
- Radiologists
- Junior Radiologist, Nurses (or Clerks)

Depending on the logged in user, the system allows or restricts certain functionality, thereby ensuring secure access to data records and preventing unauthorized modifications.

## System Functionality

### For Nurse

- Registering patients into the mammography queue and assigning a radiologist for the case
- Entering patient's particulars, if the patient is new to the system
- Entering preliminary examination details of the patient
- Capturing detail information on lesions locations and descriptions
- Enter the findings and recommendations of the case on behalf of the radiologist
- Routing the case to the radiologist for approval.

WorkQueueReport

Undo Exit Current Queue Send

Main Page Examination Page Findings & Conclusions

Name: YEO AH BEE

NRIC No: 0851169A

Ethnic Group: CHINESE

Date Of Birth: 01/01/1929

Address:

Unit No: 09-1067 Bldg/House No: 201

Building Name:

Street: TOA PAYOH NORTH

Postal Code: 1231

Reported Radiologist: KHOO TENG KEW Date of Reporting: 06/11/2003

WorkQueueReport

Undo Exit Current Queue Send

Main Page Examination Page Lesion Locations Lesion Descriptions Findings & Conclusions

Location: 1

Mass: Yes

Size: 12 mm

Outline: smooth

(If ultrasound done):

Microcalcification: Yes benign

Stromal Distortion: Yes

Asymmetric increase in density: Yes

Skin Involvement or nipple retraction:

Classification: Malignant

Right Breast: 6 1 5 2 3 4

Left Breast: 7 11 8 12 9 10

### For Radiologist

- Selecting patients from the consultation queue based on queue number
- Verifying information entered by the nurse and enter required information, if any
- Entering Findings & Recommendations
- Approving the completed cases
- Routing any incomplete cases to the nurse for re-work
- Printing mammography report

WorkQueueReport

Undo Exit Current Queue Send

Main Page Examination Page Lesion Locations Lesion Descriptions Findings & Conclusions

Macrocalcification: Yes - Left Yes - Right

Parenchyma: Normal

Fibro Quality: Good

Axillary Lymph Nodes:

Left: Present significant

Right: Present insignificant

Conclusion: Probably malignant

Recommendation: Refer to Surgeon

- The system provides all users with searching methods to open previously entered cases in the system by entering patient identification number or by test case sequence number
- Supervisory users are allowed to create & manage user accounts for the system, re-print mammography reports, re-open closed cases and make new versions.

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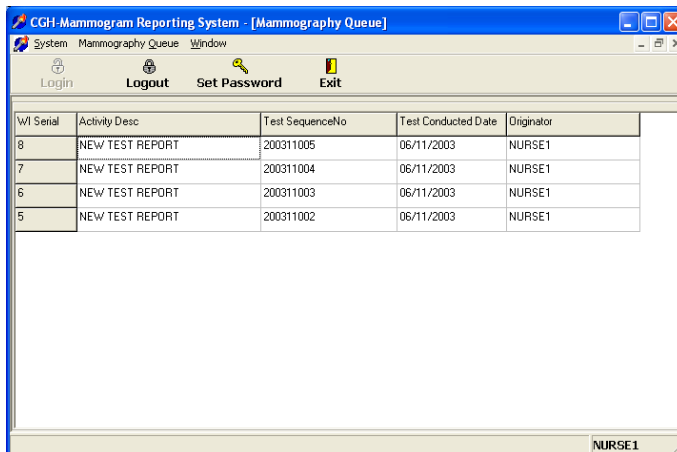
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**Key Features**

- Capture medication interventions records
- Capture drug information enquiry records
- Retrieve drug price information
- Retrieve inpatients information
- Allow online/offline operations
- Various statistical reports
- Online Help

**Benefits**

- Automates the manual data entry workflow of the mammography specialist clinic
- Minimizes data entry errors
- Provides easy access to the data and ensures security

**Other modules in Copernicus™ Suite**

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

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

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