

SANKARA
NETHRALAYA



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AND



TATA CONSULTANCY SERVICES

OFFERS OPHTHALMIC EMR

with Hospital Management System
and Clinical Decision Support System developed
& in use at Sankara Nethralaya
Implementing the best practices of Ophthalmology



Tailored in suitable models at
affordable cost

Ophthalmic EMR Suite
with or without

Integrated Hospital
Management System

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The SN TCS Ophthalmic EMR is the efficient way to increase your profits, manage your patient records and streamline the workflow in your Hospital. Incorporating ophthalmic EMR in your ophthalmology clinic allows you to see more patients each day, reduces the costs associated with managing your clinic/hospital, and ensures patient safety and confidentiality. Implementing the ophthalmic EMR is easy and takes a minimal amount of time to install, learn and maintain.

SALIENT FEATURES OF THIS EMR

Document Management

The patient documents like scans, previous reports and other documentation can be included in EMR and reviewed.

Tablet Pc Or Digital Pad Interface

The application can be run either on a Tablet PC platform or with a Digital Pad interface with your normal Desktop for your drawing needs. This interface allows the users of the EMR to move along in the care setting and allows for easy point and click use.

Peripheral Device Interface

The application is interfaced with peripheral devices like scanner, printer, digicam and webcam. The application can capture the photograph of the patient, print patient case summary and other reports and scan important documents.

Security

The Security in the system provides controls to access information available in the application. Application level security is dealt using passwords. It deals with user level security for different modules and their functions. Each user has access to a predefined set of actions (add/modify/delete/query) on various functions in a given module providing Role Based Access. The system also has the feature of automatic log-off after certain time of system inactivity. The system can be interfaced with advance security features like Smart Card, Biometrics and Digital Signature.

Workflow

The application allows the hospital or care setting to configure the system according to their clinical workflows.

Alert Engine

Alert Engine is a one of the strongest feature of the suite. The application can be configured to generate alerts. The alert engine generates them when an identified event occurs. These alerts can be configured at the data element level.

Configurability, Flexibility & Adaptability

The application suite can be configured to match the hospital needs - *your way...*

Web-Enabled

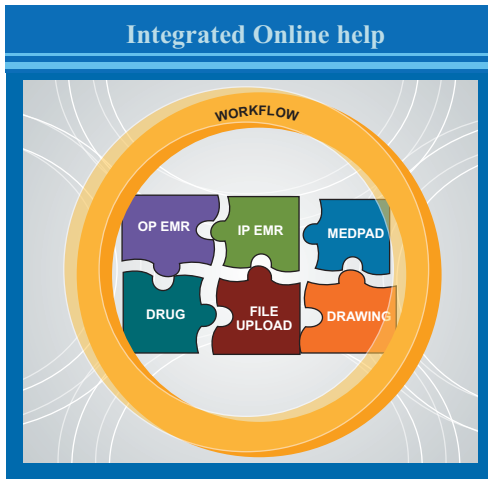
The SN TCS ophthalmic EMR is entirely web-enabled and can be accessed using any standard browser. It does not matter whether a user has to log in the hospital LAN or access the application through a mobile device at a remote location via a browser. This translates to better care as a clinical user can access a crucial lab result status, the moment it is posted.

Med Pad Interface

The application is integrated with Medpad that allows for free-hand writing/noting remarks. Also posses anatation capability.

Modularity

The application suite consists of modules, which cater to different functional areas common to ophthalmic care. The modules can be implemented independent of one another.



The suite has an integrated online help which helps new user to get accustomed with the screens and functionality of the application.

Access to online resources

The application has links to online medical education resources. This helps the physicians in their treatment, diagnosis and care plans.

Search Engine

The application has powerful search capabilities including dynamic and static search. The dynamic search criteria can be saved and re-used in the application.

Reports Engine

Various Clinical and Administrative Reports can be generated using the application. These reports can be customized according to the user needs.

Standards Compliant

The application is HL7 compliant and can be interfaced easily to other hospital management systems using HL7. The application is compliant with international standards like ICD, CPT etc.

Graphical User Interface

The Graphical User Interface enhances the user friendliness of the system. The point & click features provided by mouse compatibility reduces usage of the keyboard. The user interface is customizable.

The key components of the EMR module

Out Patient (OP) EMR

To capture the patient details in the out patients department

Drawing/Medpad

Enables storage, retrieval and examination of drawings

In Patient (IP) EMR

Inpatient encounter details

Drug formulary

Provides drug to drug interactions, drug contraindications, side effects and allergy

The key specialities offered in the EMR are as follows

- ★ Cornea
- ★ Uvea
- ★ Oculoplasty
- ★ Neuro ophthalmology
- ★ Glaucoma
- ★ General ophthalmology
- ★ Vitreo retina
- ★ Optometry
- ★ Squint

The EMR module captures the inpatient and outpatient encounter details and generates case summary. The case summary is visit based and can be used for referrals and insurance claims.

OP EMR Features

Appointment Details
 Optometry Functionalities
 Chief Complaints and History
 Examination with Templates
 OP Procedures
 Test Requisitions & Results
 Medication
 Diagnosis and Advice
 Glass and Medicine Prescription
 Patient Case Summary

IP EMR Features

Physical fitness by Physician
 Anaesthesia details
 Surgery details
 IP Templates
 Nursing details
 Pre-Op Notes
 Operative Notes
 Discharge Summary

Clinical Decision Support System

CDSS is a rule engine based application that guides users to making informed decisions in the process of diagnosis; investigation and treatment of patients.

It can be used as a Screening Tool, Diagnostic Support Application and as a Treatment Guidance Solution

Key Focus Areas	Challenges	Implementation Models
Ophthalmic Healthcare clinics	No Universally accepted CDSS Systems in the Market	Stand alone screening tools
Speciality Ophthalmic Hospitals	Most of the CDSS stops at diagnosis stage	Integrated with EMR
Multi-speciality Hospital with Ophthalmic sub-sepcaility	Most systems does not allow user to build rules	Mobile based implementation is possible for health workers
	Most systems are not linked to alert engine and not self learning	Trend analysers tool

Key Features

- ★ Allows users to build their own rules and view them against interferences
- ★ Self learning as Volume of the Data in the data stores increases
- ★ Encompasses the complete patient flow outcome
- ★ Linked to Alert Engine and Trend analyser
- ★ Supports Multi level Drill down, lined with EMR
- ★ Web based application – Anywhere / Anytime access
- ★ Envisaged as a Knowledge management tool
- ★ Can be configured to handle specific disease states
- ★ Can be used as a Diagnostic tool for large populations

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Frequently asked questions

Q1. What are the options available to get this Application Suite?

This product is available in a SaaS (Software as a Service) Model deployed in a fully secure infrastructure situated in a Centralised Data Centre and complying to the stringent Information Security standards as per the Technical and Legal Norms. The hospitals or individual practitioners will just need to subscribe for using this Facility. They don't need to invest on any big infrastructure like Servers, Storage, Backup servers, Disaster Recovery Servers etc. They just need to have browser based client machines/printers/scanners and good internet facilities.

You will automatically be using the latest version as it is available to you through our Infrastructure. The two specific tailored suites are

- Full EMR Suite for Enterprise Ophthalmic Hospital (“Pay-as-You-Use”)
- Out patient Ophthalmic Essentials for Individual Practitioners & Small Clinics (Annual Subscription)

Q2. My Hospital/Clinic is already automated with the HMS part? How Can I have only the EMR part integrated to that?

Yes. It can be customized and integrated to your existing suite of applications. We may require doing a study and then understanding the integration parts. Technically we can do that.

Q3. How many installations you have already put this EMR?

This practice management EMR is already up and running in Sankara Nethralaya for the last 3 years.

Q4. Any ball park figures of subscription costs for using this?

Please send a mail with the feedback and your requirements, size of your operations etc. We will send you a comprehensive proposal on this. The pricing is differential depending on the Usage pattern, Storage requirements in Hosted Model and the number of Users needing access.

Registration Form

Doctor Name _____

Organization / Clinic Name _____

Primary Contact person _____
(leave blank if, same as Doctor name)

Address for communication _____

City, State & Pincode _____

Email ID _____

Office Phone _____

Home Phone _____

Mobile _____

I'm interested to subscribe for this EMR in SaaS model, please provide the URL details with cost and contract agreement for a period of 1 year to signup.

Signed:

Place:

Date:

Note: For the early bird registrants, we offer 15 days of free EMR usage.