

**Internship
at
Eternal Heart Care Centre (EHCC) Hospital, Jaipur**

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**Post Graduate Diploma in Hospital & Health Management
2012-2014**



**Institute of Health Management Research,
Jaipur
2014**

INTERNSHIP REPORT



ETERNAL HEART CARE CENTRE & RESEARCH INSTITUTE



Eternal Heart Care Centre and Research Institute is a state-of-the-art tertiary care hospital in Jaipur city under the flagship social initiative of Dr.Samin k Sharma & his wife Mrs.Manju Sharma for the community. The hospital is designed to raise Rajasthan and India as a country for global standing in tertiary care facility with emphasis on excellence in clinical outcomes, preventive care, diagnostic facilities and research. A brainchild of Dr. Samin K. Sharma, world renowned Interventional Cardiologist based at Mount Sinai Hospital, New York, USA. EHCC is 225 bedded hospital with state-of-the-art technology focusing on the Cardiology, Cardiac Surgery, Neurology, Neuro Surgery, Orthopaedic, Joint Replacement, Spine Surgery and Critical Care. **EHCC is affiliate of Mount Sinai Hospital, New York, USA, which has been recognized internationally for its top-performing physicians and revolutionary research centers.**

Vision: *A centre of excellence in area of medicine with highest international standards at affordable cost for the community around the globe.*

Mission: *To redefine healthcare by improving outcomes and experience of patients through cutting edge research and personalized clinical care including innovative, preventive, diagnostic, therapeutic and rehabilitation services.*

Core values

INTEGRITY- We adhere to an uncompromising code of ethics that emphasizes complete honesty, transparency & sincerity.

PATIENT CENTRICITY – Caring for the individual patient and his family is at the heart of our mission.

EXCELLENCE – we strive to make everything we do world class & strive for excellence in terms of skill, state-of-the-art technology, programs & services. We will strive to have leadership in our field.

HOSPITALITY- We will welcome people with kindness and do all that we can to assist their health and wellbeing.

ACCOUNTABILITY- Is about ownership of work and being answerable for the services we provide.

RESPECT FOR ALL- We carry the respect for the dignity of each individual.

TEAM WORK- Our system effectiveness is based on the collective strength & cultural diversity of our people with effective communication.

Salient features:

- **Contribution of 80 Critical Care Beds to the State** – Rajasthan is having scarcity of critical care beds and people are dying without availability of critical care beds at the emergency and when it is required. EHCC is giving 80 critical care beds including Medical, Surgical, Cardiac Care, CT Recovery etc.
- **Cath lab** - EHCC consists of 2 state-of-the-art Cath Labs that house the most advanced technology including bi-plane flat panel imaging, which allows for more images with less contrast dye usage, and magnetic catheterization. We have facility to show the live cases at our auditorium for medical fraternity.

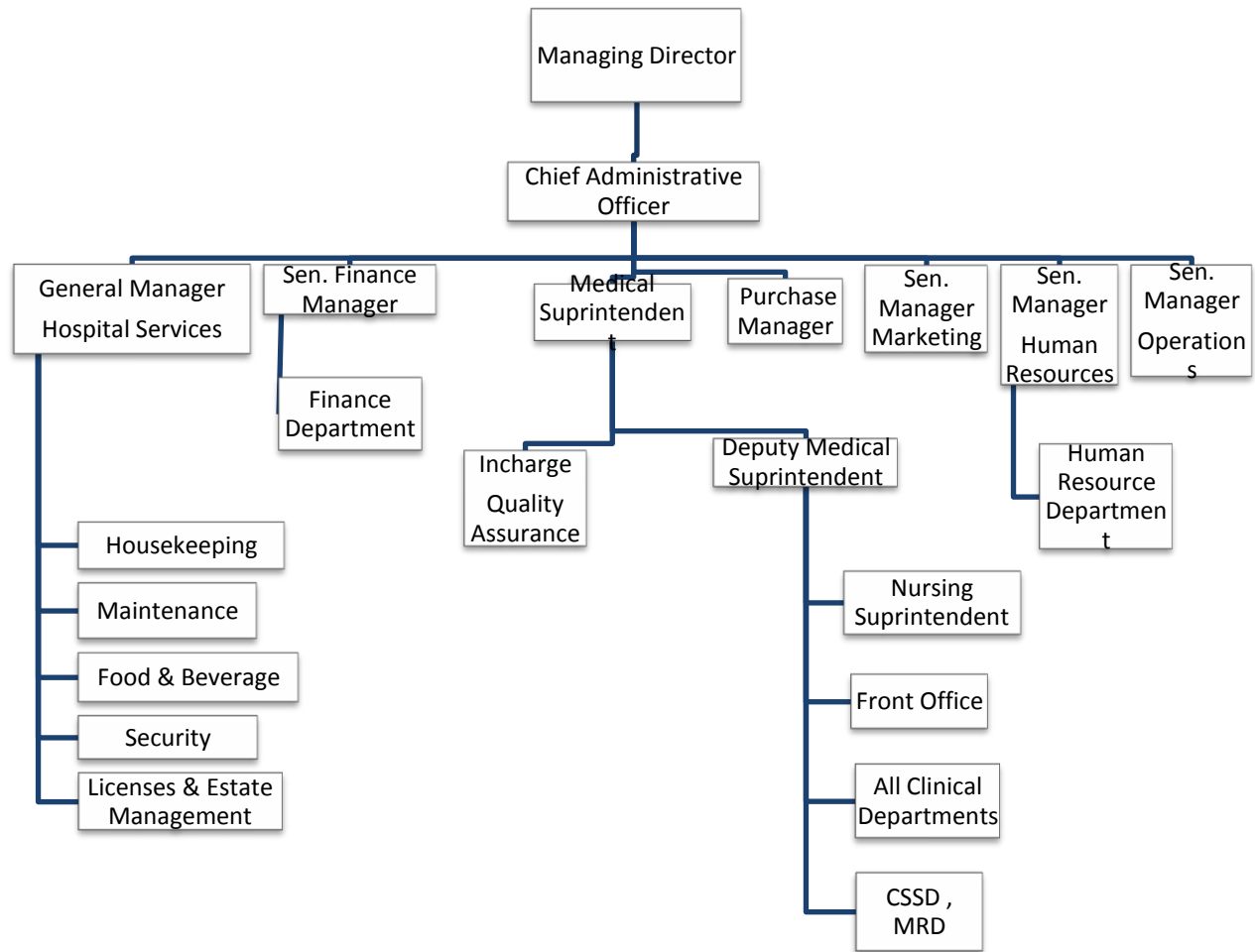
- **Treatment in Golden Hours** - EHCC believes in Rapid Action and focused care to give best results for heart attack, brain attack and trauma because we believe that needle time is important.
- Modular/Laminar Flow “Class 100” Operation theatres with HEPA filter and zero infection level.
- Trauma cases will be handled by trained Traumatologist for the perfect handling of an accident victim. Specialist will thoroughly observe severity of injury and will decide priority treatment. All our staff and doctors are ACLS/ATLS providers who form the Trauma team for managing polytrauma, and Crash Team for cardiac arrest scenarios.
- Availability of Gama Imaging, Nuclear medicine for cardiac treatment
- Pneumatic Chutes – first time introducing Pneumatic Chutes. It is a system placed at sample collection counter and nursing stations. It is a suction operated system and supports to send collected samples directly to laboratory. The system reduces man power, infection possibilities.
- Separate in and out system for sterile and non-sterile items, is also an infection controlling measure.
- Steam disinfection system for infection free instruments
- Minimum involvement of attendants and patients. Video briefing for attendant’s information and counselling.
- EHCC is establishing a Research Department to evaluate delayed recovery of admitted patients, patients in Critical Areas, infection cases after surgery etc. A team of senior doctors will audit the surgery and treatment results. Team of Mount Sinai Hospital, USA will be available for live Audio/Video advises.

Facilities:

Total environmental control with proper treatment of air and water, well provided waiting space, sophisticated and well stocked pharmacy and facilities for communication and refreshment enhances the patient comfort. EHCC is supported by state-of-the art medical gas system, central sterile supply, laundry and full backup power generation.

Supporting most modern healthcare we adhere to stringent infection control, environment protection, biomedical waste disposal, sewage treatment and rain water harvesting. Currently the hospital is having 225 beds devoted for the patient comfort which includes ICU’s, Economy Wards, Semi-private Rooms, Private Rooms and Deluxe/Super-Deluxe/Suite Rooms. Eternal Heart Care Centre & Research Institute, Jaipur continues creating a world class integrated health care delivery system, entailing finest medical skills combined with compassionate patient care.

Organogram:



SERVICES

DIAGNOSTICS

- ECG(12-Lead ,Computerised)
- Digital X-Ray
- Color Doppler & Ultrasound
- TMT (computerised TMT)
- Echo-Cardiography(Color Doppler, trans-esophageal and 3D
- Stress echo
- Holter monitor
- Ambulatory blood pressure monitoring
- Tilt-table test
- CT-(Coronary angiography) 64 slice cardiac CT scan
- Nuclear stress test (stress/rest MPI)
- MUGA Scan

CATH LAB SERVICES

- Coronary angiography (femoral & radial)
- Coronary angioplasty/stenting
- Intravascular ultrasound ,FFR Rot ablation
- Carotid & cerebral (angiography/angioplasty)
- Peripheral /renal (angiography/angioplasty)
- Cardiac catheterization & hemodynamic study
- Mitral pulmonary & aortic
- Electrophysiology study & Radiofrequency, Ablation for arrhythmia
- Complex arrhythmia ablation by 3D Mapping
- Pacemaker implantation (single/double)
- ICD, CRT, CRT-D implantation for heart failure patients.

SURGICAL INTERVENTION - cardiology

- **CABG – Off Pump & On Pump**
- **Valvular Heart Disease**
- **Vascular Surgery**
- **Congenital Heart Disease**
- PDA Closure
- Closed Mitral Valve

SURGICAL INTERVENTION - orthopedics

Joint Replacement

Knee arthroscopy

1) Knee Ligament Reconstructive Surgery

- 2) Meniscus Surgery
- 3) Articular Cartilage Repair
- 4) Patellofemoral Instability Surgery
- 5) Sports Orthopaedics
- 6) Spine Surgery
- 7) Trauma

OTHER SPECIALITIES

Neuro Sciences

- 1) Neurology
- 2) Neuro Surgery
- 3) Stroke Clinic

Critical Care

Pulmonology & Sleep Medicine

General & Laparoscopic Surgery

Internal Medicine

Nuclear Medicine (Diagnostics & Therapy)

Emergency Medicine

Endocrinology

Anaesthesia

ENT

Dental Care

Ophthalmology

Pathology

Microbiology

Radiology & Imaging

Preventive Health Check-ups

SUPPORT SERVICES

24x7 Emergency Services

24x7 Ambulance Services (ACLS & BLS trained staff)

24x7 Operating Facilities for Emergency Cases

24x7 Pharmacy Services

Blood Bank

Physical Therapy & Rehabilitation

Dietetics

Cafeteria

DEPARTMENTS VISITED/WORKED:

During my internship period, I had visited all the clinical and non clinical departments of the EHCC hospital primarily amidst the orientation program.

A major part of my internship period was invested in working in the quality department of the hospital, where the utmost important task taken up was the facilitation of NABH accreditation procedure for the hospital. This was initiated by performing a gap analysis using the self assessment toolkit provided by the accreditation board and was simultaneously followed by formulation of SOPs of various departments of the hospital. The preparation of these SOPs was one of the core activities undertaken, in order to bridge the gap identified during the gap assessment. This is when this topic seemed to grasp my interest and I decided to adopt it as my study topic.

Another facet of my internship period was devoted in designing of the total knee and hip replacement packages for unilateral as well as bilateral procedures. This was performed by per unit cost breakup analysis followed by recommendation of pricing strategies.