

**Internship  
At  
Bansal Hospital, Bhopal**

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# Part 1: Internship

## 1.1. Overview of the Hospital:



This 300 bedded Super Specialty Hospital is born of a dream. A dream that the people of Bhopal and Central India get the best healthcare at affordable prices. A dream that the best infrastructure and technology be provided to doctors so that they can serve patients to best of their capability. A dream that our people need not flee to metros for medical needs. This conviction inspired us to make a world class hospital in the heart of the country where the best infrastructure meets the best doctors to deliver cutting edge technology with care.

## **MISSION**

**To provide the highest standard of comprehensive, affordable and holistic care under one roof.**

- Provision of excellent medical services by eminent, highly qualified doctors.
- Maintaining highest ethical standards in patient care
- Provision of different disciplines of health care under one roof
- Utilization of latest techniques and equipment in health care
- Provision of services by qualified and dedicated nurses and paramedical staff.
- Provision of health care services in a supervised ,safe environment.
- Active participation in continuous medical education

## **CORE VALUE**

- Care
- Competence
- Cutting Edge technology

## **BUILT ON THE FOUNDATION OF:**

- Quality
- Commitment
- Innovation
- Affordability & Transparency
- Personalized Care

## **1.2. : INTRODUCTION**

- 300 bedded tertiary care multispecialty Hospital
- 1,50000 sq ft spread over nine floors
- Sprawling lake view location
- Centrally air-conditioned
- Central sterilization unit
- Fire Alarm system
- Central Oxygen unit from Greece
- Pneumatic Chute System
- 8 fully equipped Operation Theatre
- 100 bed Intensive care Unit

## **1.3.: DEPARTMENTS**

- **Cardiac sciences**
- **Neurosciences**
- **Renal sciences**
- **Gastroenterology**
- **Minimal Access Surgery**
- **Oncology**
- **Orthopedics and Trauma**
- **Obstetrics and Gynecology**
- **Rheumatology**
- **Pediatrics**
- **Reproductive Medicine**
- **Critical care**
- **Pathology**

- **Interventional Radiology**
- **Nuclear Medicine**
- **Endovascular Surgery**
- **Health Checkups**

#### **1.4: FACILITY HIGHLIGHTS**

- 128 slice whole body PET CT
- 3.0 Tesla MRI
- Digital X-ray
- X-ray Fluorescence (XRF)
- Dual Head Gamma Camera
- 4D ultra sound with color Doppler
- Bone Densitometry
- CT angiography
- Non invasive coronary angiography
- DWI- Diffusion weighted imaged
- 3D imaging of musculoskeletal system
- CT guided interventional procedures
- ECHO speed imaging
- MR Angiography and veinography
- MRCP
- Mammography
- Fully computerized auto analyzer
- 5 part differential cell counter and analyzer
- Blood bank with component

## **1.5: PRIORITY AREAS**

- 100 bedded fully equipped Intensive care unit
- 25 bedded NICU
- Cardiac Care Unit
- High Dependency Unit
- Burn Unit

## **1.6: CATCHMENT AREAS**

- Flat panel Advanced DSA lab
  - Advanced Dialysis unit
  - In-vitro Fertilization
- Nuclear medicine

## **1.7: BRIEF ABOUT DEPARTMENTS**

### **1.7.1: Pediatrics and Neonatology**

#### **Neonatology**

Highly Advanced tertiary care 25 bedded NICU

8 Ventilated Beds with State-of-the-art Servo-i ventilators

15 resuscitator Beds fully equipped with inbuilt CPAP, T-Piece, weighing scale and LED phototherapy (with Gel matrix)

2 Additional Bubble CPAP for non invasive Ventilation

Multipara Monitoring (including intra arterial blood pressure) with central monitoring facility.

Bedside ultra sound and digital X-ray

Onside arterial blood gas & Electrolytes

Round the clock coverage by team of specialist and Highly experienced Staff

### **Neonatology Transport**

Fully equipped ambulance with incubator, ventilator and multipara monitorine facilities.

Trained team to deal with high- risk deliveries within the city.

Stabilization and transport of neonate

Back Referral of discharged Neonate to the referring doctor.

Follow up newborn clinic (Developmental Clinic and Eye Check )

### **Pediatrics**

General Pediatric Clinic

Speciality Clinic-Pediatric Neurology and Neuro-disability

Pediatric Asthma and Allergic Clinic

Pediatric Health Check Up – Short Stature ,Developmental Delay, Obesity, High blood pressure screening, poor weight gain.

## **1.7.2 Pathology, Microbiology and Transfusion Medicine**

Fully automated Biochemistry analyzer for biochemical tests and immunoassays.

8 Part differential cell counter with automated Reticulocyte count.

Automated ESR

Histopathology and Cytology

Bacterial and Fungal Cultures

Blood Bank with **component**

**Pneumatic chute system for transport** of samples

Home collection facility.



### **1.7.3 : Oncology**

All major and supramajor surgeries of head & neck ,thoracic, gastrointestinal ,Gynae and soft tissue and bone cancer with reconstruction with special facilities of sentinel Lymph Node Biopsy

Custom Mega Prosthesis for bone tumors

Microvascular reconstruction

Diagnostic endoscopies

### **1.7.4: Bansal Health Check ups**

Basic health check up

Executive health check up

Comprehensive Cardiac health check up

Whole body health check up

Well women health check up

Senior citizen health check up

Advance diabetes health check up

Child health check up

Cancer Screening health check up

Kidney health checkup

Liver screening health check up

Premarital health check up

### **1.7.5: GASTROENTEROLOGY**

Colonoscopy

Endoscopy

ERCP

Capsule Endoscopy

Upper gastro intestinal surgeries

Lower gastro intestinal surgeries

Hepato-biliary and pancreatic surgery

Bariatric and metabolic surgeries

### **1.7.6: OBSTETRICS AND GYNECOLOGY**

State of the art Labor and delivery suite

Dedicated obstetric ICU

Fetal and maternal medicine unit

Parentcraft classes

Colposcopy

Laparoscopic management of gynecological problems

Hysteroscopy Procedures

### **1.7.7 :RENAL SCIENCES**

Nephrology department with 8 dialysis stations

Laser surgery for Prostate, stone and tumor

Advanced Urodynamic lab

Endourological procedures like TURP, Lap Nephrectomy

Advanced urooncological procedures

Urogynecological surgeries

Renal Transplantation & Lap. Donor Nephrectomy

Peritoneal Dialysis

Chronic Kidney Disease Management.

### **1.7.8: NEUROSCIENCES**

Stroke Clinic

Epilepsy clinic

Headache Clinic

Microscopic neurosurgery including endoscopic, transcranial, endonasal and skull base procedures

Trauma including ICP monitoring

Facilities For EEG, EMG, Nerve Conduction Study

Evoke Potentials

#### **Pediatric Neurology and Neurodisability**

Cerebral Palsy Clinic

Pediatric Epilepsy Clinic

Attention Deficit and Hyper Activity Disorder Clinic

Autism Clinic

Enuresis Developmental Delay Clinic

### **1.7.9: REPRODUCTIVE MEDICINE**

Complete Evaluation and management of all hormonal disorders related to reproduction from puberty to menopause

**Evaluation of Sub fertile Couple:** Hormonal Investigations ,Advanced Andrology lab , 3D pelvic ultrasound and color Doppler

Diagnostic and Therapeutic Laparoscopy and Hysteroscopy

**Management of Sub fertility :** Ovulation induction IUI, IVF, ICSI

State of the art Ultraclean Class A IVF Lab with laminar air flow

Continuous time lapse monitoring of embryo

-See Embryos growing in real time (First in central India)

### **1.7.10: CRITICAL CARE**

State of the art 100 bed intensive care unit designed to meet the needs of every patient

Pharmacological Therapies

Ventilator Therapies

Advanced computerized monitoring

Cardiac, pulmonary, renal, multi organ system failure

Sepsis

Acute respiratory failure

PICU –dedicated team of Pediatric Intensives

### **1.7.11: EMERGENCY MEDICINE**

Management of all kinds of medical and surgical emergencies including poly trauma

Fleet of fully equipped ambulances

Advanced ACLS and Trauma Support

24/7 backup support with diagnostic imaging and laboratory facilities

Exclusive fully fledged emergency OT

### **1.7.12: CARDIAC SCIENCES**

Coronary Angiography and Angioplasties

Balloon Valvuloplasties

Pacemaker implantation

Electrophysiology

Renal Denervation

Heart Failure interventions

Coronary artery bypass graft

Beating Heart Surgery

Valvular and Congenital heart surgeries

Cardiac catheterization and ASD device Closure

### **1.7.13: ORTHOPAEDICS AND TRAUMA**

**Polytrauma Surgeries** - Minimally invasive plate osteosynthesis (MIPO).  
Minimally invasive intra medullary fixation of long bone fractures.

Joint Replacement: total knee and Hip replacement

Arthroscopic surgeries of knee, hip, ankle and shoulder

Hemiacap Arthroplasty.

Sports Medicine

Cold Orthopedics

Orthopedic and Tumor surgeries (Reconstruction surgeries)

Diabetic foot consultation

### **1.7.14: Radiology (Imaging & Intervention)**

#### **3.0 Tesla MRI**

- Ultrafast High Resolution Whole body Imaging
- Whole body MR angiography & Venography
- Perfusion Imaging & Functional MRI
- Multi voxel MR Spectroscopy
- Diffusion Tensor Imaging for Brain (Tractography) and Peripheral nerves
- Cardiac MRI
- MRI with metallic implants (MARS)

#### **128 Slice CT**

- UltraFast Whole Body High Resolution Imaging
- Whole body Angiography and Venography
- Non invasive Coronary Angiography
- Ultrafast 3D Imaging in polytrauma
- Brain perfusion imaging for stroke
- CT Guided Interventional Procedures (FNAC/Biopsy/Drainages)

### **Interventional Radiology (Flat Panel Advanced DSA Lab)**

- Whole body Digital Subtraction Angiography & Venography
- Peripheral vessel angioplasty and stenting
- Neurovascular interventions
- Vascular Embolizations for hemorrhage and Neoplasms
- Radioembolization (TARE) for liver tumors.
- Trans-jugular Liver Biopsy and TIPS (transjugular intrahepatic porto-systemic shunt)
- Non Vascular Interventions

### **PACS**