

# GOYAL HOSPITAL & RESEARCH CENTRE



we care for your better health







# Goyal Hospital & Research Centre

**We care for your better health**

Goyal Hospital and Research Centre was established in 1989 by Dr. Anand Goyal with a vision to provide many different facilities under one roof. Goyal Hospital is a unique example of a multi super speciality medical institution of modern times.

Goyal Hospital provides comprehensive care to patients from all over Western Rajasthan. The Hospital believes in the policy of ploughing back its earnings for further improvements of hospital services. Adhering to its promise, it is constantly upgrading its facilities. Following its core philosophy of valuing human life above all, Goyal Hospital continuously strives to provide newer standards of medicine with a human touch. It's no wonder then that today the name Goyal Hospital is synonymous with care.

The right doctors make a great hospital, for they are the ones who set the direction, bring in the skills and expertise and ultimately heal the patients. Then there are the visionaries who take a hospital to the new medical frontiers - in terms and technology, procedures and therapy. At Goyal Hospital there is a happy mix of both expertise and vision.

**Dr. Anand Goyal**



# Cardiology

**This dept. is staffed and managed by the premier heart institute of the country -  
The ESCORTS HEART INSTITUTE AND RESEARCH CENTRE, NEW DELHI**

## Heart Centre

One of the pioneering institute of Cardiac Care in this part of the country, Heart Centre is amongst the most technologically advanced institutes in heart care today. It covers the complete spectrum from invasive to non-invasive procedures. With a highly trained team of cardiologists, handling a large number of cases every year, modernised CCUs, Cardiac Catheterization laboratories using digitalised technology as well as state-of-the-art cineless recording systems heart centre is able to provide expert medical treatment to its patients.

## Non Invasive Cardiology

A high-tech laboratory and non-invasive cardiology facility forms an integral part of this department. It offers technologically advanced cardiac procedures such as colour doppler-echocardiography, adult, paediatric and transesophageal, tissue doppler imaging, peripheral doppler - arterial venous - carotid artery - upper limb - abdominal (celiac, superior and inferior mesentric and renal arteries) - Iliac and lower limb arteries. Holter monitoring, ambulatory recording, treadmill testing, computerised ECG, stress dobutamine echocardiography and an event recorder for transtelephonic ECG recording.

## Interventional Cardiology

Goyal Hospital, has a state-of-the-art Cardiac Catheterization Lab for interventional techniques and provides non-surgical treatment of artery blockages with balloon angioplasties, stenting for coronary vessels and peripheral vessels, Balloon valvuloplasties (mitral, aortic and pulmonary) device closer for ASD, VSD, PDA, septal ablation for HOCM and Pacemaker - implantation. Today, with the successful completion of over 1000 invasive procedures, it ranks high above many other private hospitals in the state.

## Coronary Care Units

Equipped with the best monitoring systems, the CCU's at the Heart Centre provide expert care to patients, thanks to skilled team of cardiologists and a highly optimised nurse-to-patient ratio. Advanced monitors, connected to a central monitor at the nursing station are attached to the beds so as to constantly monitor individual patients. To facilitate patient care to a greater degree, IABP, dedicated ABG machine and electrolyte machines are also present.



## CARDIOLOGY

- Angiography (24 hrs.)
- Angioplasty / Stents (24 hrs.)
- Pacemaker Implantation
- Balloon Valvuloplasty
- Carotid & Renal Stenting
- Paediatric Interventions
- PDA, ASD, VSD Closures
- Peripheral Vascular Intervention
- Echocardiography
- Transesophageal Echo
- Treadmill Test
- Dobutamine Stress Echo
- Holter Monitoring
- Lipid Clinic
- Diet / Weight - loss Programme
- Peripheral Vascular Clinic
- Hypertension Clinic
- Preventive Cardiology Clinic
- Cardiac Arrhythmia Clinic
- Pacemaker Clinic
- Heart Failure Clinic



# Cardiovascular & Thoracic Surgery

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## **Cardiac Surgery**

The first hospital in the city to perform open heart surgeries with a high success rate, Goyal Hospital has always been at the forefront of cardiac surgery. The team of surgeons perform complex procedures such as coronary artery bypass grafting, valve replacement and intra cardiac repairs as well as revolutionary CABG's on a beating heart. The hospital has also added one new cardiac surgery operation theatre, with state-of-the-art equipment to cater to the growing needs of patients.

## **Thoracic Surgery**

With world-class surgeons and ultra modern facilities, this department is geared to carry out the most advanced thoracic surgical procedures from lung cancer and oesophageal cancer to complications of lung TB and chest trauma.

The dedicated Thoracic Surgery department treats diseased and injured organs of the chest, specifically disorders of the lungs, oesophagus (food -pipe) and trachea (wind pipe).

In addition, it specializes in comprehensive management of chest trauma.

## **Special Paediatric Unit**

Children suffering from cardiac disorders require specialised care, which is why there is a specially equipped unit for children and infants to handle complicated paediatric and neo natal surgery cases.

## **Vascular Surgery**

Escort Goyal heart centre started a separate Vascular Division three years ago and it has grown into a full fledged unit today. It is equipped to perform routine as well as emergency surgery. Thanks to a complete vascular lab, cath labs and other exclusive facilities provided by the hospital.

Some of the most common surgeries performed include Aortic surgery, Intra-inguinal bypass using vein or synthetic grafts, Femoro-distal bypasses using vein as in diabetics, upper limb bypasses and carotid endarterectomies. Surgical procedures for varicose veins, venous malformations and AV-fistula are also done regularly.

It also handles cases of emergency such as occlusions of the arteries in fractures of the bones, stab wounds and gun-shot wounds. Some more procedures include emergency embolectomies of the upper limb and lower limb, angioplasty and stenting. Complicated cases like Endovascular AAA repair are also performed.

## CARDIOVASCULAR & THORACIC SURGERY

Beating Heart CABG  
On Pump CABG  
Total Arterial CABG  
Minimally Invasive Surgery

Valvular Heart Surgery  
Valve Replacement Surgery  
Valve Repairs

Other Surgeries  
Congenital Heart Surgery  
Thoracic Surgery  
Carotid Surgery & Peripheral  
Vascular Surgery  
Surgery for Cardiac Arrhythmia

# Neurology & Neurosurgery

## NEUROLOGY

### DIAGNOSTIC FACILITIES

(long term/ short term )

Digital Video EEG

Nerve Conduction Study

Evoked (VEP/BAER/SSEP )

EMG

Evolved Potentials

### THERAPEUTIC FACILITIES

Stroke ( CVA )

Epilepsy

Headache

Parkinson's Disease

Neuropathy

Myopathy

Coma

Dementia

Vertigo

Backache

Meningitis

Encephalitis

Multiple Sclerosis

## NEURO SURGERY

### DIAGNOSTIC FACILITIES

MRI Brain & Spine

CT Scan Brain & Spine

MR Angio (OutSourced)

4 Vessel DSA

EMG, NCVI,

EEG

### THERAPEUTIC FACILITIES

Trans Sphenoidal Surgery

Spinal Instrumentation

Lumbar & Cervical Microdisectomy

Brachial Plexus Surgery

C-V Junction Anomaly Surgery

Brain Tumour Surgery

& Spinal Surgery

## Neurology

This department at Goyal hospital is a full fledged department which handles acute and chronic neurological patients. It treats the entire gamut of neurological disorders such as stroke, headache, epilepsy, vertigo and neuromuscular disorders, spinal cord diseases and multiple sclerosis. It also tackles degenerative disorders like Parkinson's disease, dementia etc. Here is a state-of-the-art digital video EEG lab capable of long term EEG monitoring. The EMG lab has computerized EMG/NCV/Evoked Potential Studies equipment which can diagnose a myriad of central and peripheral neurological disorders.



## Neurosurgery

The department of Neurosurgery is another major speciality of this hospital. Headed by eminent neuro surgeons and their medical teams, these specialists handle routine neuro-surgeries, more complicated micro neuro surgeries, spinal surgeries, lumbar and cervical disc surgeries and biopsies of the muscle and nerve with a high success rate. With a dedicated state-of-the-art operating microscope, this department carries out all types of complicated neuro-surgical operations like aneurysm clipping, excision of AVM and Brain Tumour as well as spinal surgeries like micro disectomy, spinal instrumentation for trauma cases and C.V. junction anomalies. Furthermore, the department of neurosurgery has a comprehensive trauma centre that handles poly-trauma cases and is backed by an exclusive ICU, equipped with precision monitoring devices, ventilators and a highly trained para-medical staff. The department has out sourced modern imaging facilities such as the latest CT scan and MRI machines, special machines for CT angio and MR angio. And well-equipped angio-labs where four vessel DSA's can be done to check for intra-cranial aneurysms as well as other vascular abnormalities in the cranium and spine. These, along with a video-EEG lab to evaluate brain functions, make it a one-stop facility for total neurological treatment.

The facilities include, state-of-the-art haemodialysis machines with reverse osmosis water treatment plant. The department also provides pre-operative dialysis for kidney transplant along with peritoneal dialysis at the bedside.

The unit accommodates upto 9 patients per day for dialysis, and provides ancillary haemodialysis procedures of diafiltration, haemofiltration, plasmapheresis and continuous replacement therapy, kidney biopsy including CAVHD, CVVHD, CAPD.



## **Kidney Transplantation**

### **Immediate Future Plans**

The kidney transplant track record generates tremendous confidence and reassurance for patients with nearly irreversible kidney ailments. It will be supported by two operation theaters, the surgery unit will be geared up to meet emergencies at any hour. The transplant ICU will have the sophisticated barrier nursing, intensive care in immediate and intermediate care.

## **NEPHROLOGY**

### **DIAGNOSTIC FACILITIES**

Kidney Biopsy

Complete Diagnostic Work up of Kidney Disease & kidney transplantation

### **THERAPEUTIC FACILITIES**

Haemodialysis

Diafiltration

Haemodiafiltration

Peritoneal Dialysis

Continuous Ambulatory

Peritoneal Dialysis (CAPD)

Transplant Counselling

Plasmapheresis

# Urology

## UROLOGY

### DIAGNOSTIC FACILITIES

TRUS

Digital Ultrasound

Penile Doppler Study

Uroflowmetry

### THERAPEUTIC FACILITIES

TURP

PCNL

Uretero Renoscopy

Radical Nephroureterectomy

Radical Cystectomy

Endopyelotomy

Pyeloplasty

Internal Urethrotomy

Nephrectomy

RPLND

Orchidopexy

Hypospadias repair

Reimplantation of ureter

Endoscopic Teflon Injection Posterior

Urethral Valve

Ablation

Urethroplasty

Infertility Surgery

A multi disciplinary team comprising of dedicated urologist make this department one of the best of its kind in the city. This super speciality department undertakes all kinds of open surgeries and minimally invasive, endoscopic urological work from the management of stone diseases, prostate ailments, reconstructive urology and uro-oncology to paediatric oncology and andrology.

The department performs procedures such as PCNL and Ureteroscopy with



the help of C-arm image intensifier, Lithoclast and Endoscopes. Transurethral resection of the prostate with minimal post operative trauma is one of the most commonly performed procedures. Modern facilities for uro-oncology patients include surgical management, and chemotherapy performed by a team of dedicated urologists along with the medical oncologists.

In addition, this department also specialises in management of infertility and erectile sexual dysfunction.

# Gastroenterology

The department of Gastroenterology has state-of-the-art diagnostic and therapeutic facilities. This department utilises latest models of video-endoscopes colonoscope from olympus Japan.

It offers both diagnostic and therapeutic facilities. Notable among the procedures are endoscopic sclerotherapy, endoscopic variceal ligation and Glue Injection for GI bleeding cases, endoscopic removal of foreign bodies without surgery, endoscopic dilation of strictures both benign and malignant and therapeutic ERCP for removal of common bile duct stones in cases of obstructive jaundice and stent placement in bile and pancreatic duct in cancer patients.

This department is already in the process of adding facilities for GI manometry, PH monitoring. The department offers a team approach to gastro-intestinal problems, integrating medical, radiological and surgical approaches for the overall benefit of the patient.



## GASTROENTEROLOGY

### DIAGNOSTIC FACILITIES

Diagnostic Upper GI Endoscopy for Peptic Ulcer, Cancer, Polyp, GI bleeds.  
Diagnostic Colonoscopy for Lower GI Bleeding, Polyps, Colitis.  
Liver Biopsy  
Oesophageal Manometry and ph Recording

### THERAPEUTIC FACILITIES

Endoscopic Sclerotherapy,  
Endoscopic Variceal Ligation,  
Glue Injection for Fundal Varices,  
Endoscopic Removal of Foreign Bodies,  
Endoscopic Dilatation of Oesophageal Strictures,  
Endoscopic Placement of Self-expandable Metallic Stents,  
Baloon Dilatation of Achalasia Cardia  
PEG- Percutaneous Endoscopic Gastrostomy,  
Endoscopic Removal of Gastro Intestinal Polyps.

### THERAPEUTIC ERCP

- a) Endoscopic Removal of CBD Stones
- b) Endoscopic Papillotomy,
- c) Stent Placement in Bile & Pancreatic Duct
- d) Naso-Biliary Drainage,  
Alcohol Injection in Cancer Patients for Debulking & to stop Bleeding.



# Orthopaedics

This department is well equipped for all orthopaedic surgeries ranging from Hand Surgery, Trauma Surgery, Spine Surgery, Joint Replacement, Arthroscopic Surgery, Paediatric Surgery and Cold orthopaedics including diseases and deformities.

## Trauma Care

With the number of accident related injuries and their nature having changed drastically over the years, orthopaedics has witnessed a sea change from single bone and one limb injuries to poly-trauma (multiple injuries). This change created necessity for a specialised department equipped to handle such injuries and thus, a technologically advanced trauma centre was instituted. With the aim of saving lives and getting patients back on their feet as soon as possible, this centre has state-of-the-art diagnostic facilities, dedicated operation theatres and an observation unit to monitor patients carefully. Since the treatment of trauma requires a holistic approach, the centre has the support of other departments such as Neurology, Neurosurgery, Internal Medicine, Cardiology, Cardio thoracic and Vascular surgery, to name a few.

## Spine Surgery

A wide range of delicate spine surgeries which includes those required for disc prolapse, infections, tumours, deformities, degenerative diseases and fractures are handled with a high degree of success. This department has surgeons with special training in the application of modern instrumentation with pedicle screw fixation and other appropriate spinal stabilisation systems for the correction of several spinal deformities including scoliosis and kyphosis.

## Joint Replacement

In Goyal hospital joint replacement surgery has been practiced for more than a decade. Thanks to modern technology, a replaced joint can be expected to last around 20 years and hence, is very useful for ageing patients and patients incapacitated due to pre-existing joint disease.

## Arthroscopic Surgery

Since open surgery entails prolonged hospitalisation, the department performs arthroscopic (keyhole) surgery which has become very popular in the last two decades. This arthroscopic facility is also used for diagnostic purposes.

## ORTHOPAEDICS

### THERAPEUTIC FACILITIES

Trauma Surgery

Spine Surgery

Joint Replacement

Arthroscopic Surgery

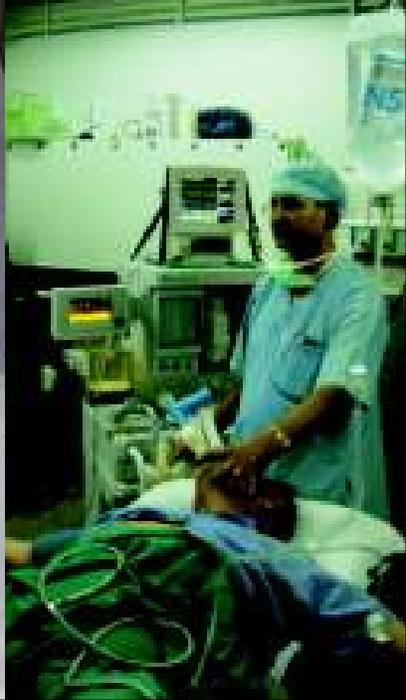
Cold Orthopaedics including diseases, deformities, and degenerative conditions

Reimplantation Surgery

Corrective Surgery for deformities

# Rheumatology

This department deals with diseases of the joints, inflammation of blood vessels and relatively rare disease like systemic lupus (SLE). Rheumatologists work in close co-ordination with orthopaedic surgeons and physiotherapists. While the surgeon guides on appropriate surgical interventions, the rheumatologist decides the course of drug treatment. With new drug option opening up and rapid advances being made in this field, rheumatologists can treat Rheumatoid arthritis with special drugs. These modulate the immune system and cause strengthening of the cartilage.



# Internal & Respiratory Medicine

The department of Internal & Respiratory medicine, staffed by a team of qualified and dedicated clinicians, serves as the first step in evaluation and management of disease in a patient.

## Critical Care Services

The hospital is equipped with modern Intensive Care Unit, and has state-of-the-art ventilatory and monitoring equipments along with well trained and highly motivated staff for continuous monitoring and care of critically ill patients. The use of non invasive ventilators not only helps wean off of a large number of difficult ventilated patients, but also helps avoid invasive ventilation by timely use of Non-invasive support in many. The unit also has its own Blood Gas and Electrolyte Machine. Widely regarded as one of the best and most affordable ICUs in the city, this department gets referrals from all over western Rajasthan. Not only this, the department has its own fully equipped and manned Critical Care Ambulance to bring patients from far and wide.

The importance of the department of Respiratory Medicine has rapidly grown in the country over the past few years. Apart from medical management of increasing number of various respiratory disorders, it is involved in various other procedures.

## Bronchoscopy

The hospital possesses the latest Bronchoscope. Various bronchoscopic procedures like Bronchial and Transbronchial Biopsies, Transbronchial Needle Aspiration, Tracheo Bronchial stenting and many more procedures are carried out with greater precision and ease than with fibre optic scopes.

## Pulmonary Function Test

This department diagnoses Bronchial Asthma, Chronic Bronchitis and various other lung diseases using the Spirometer, a computerized machine to determine the degree of lung function.

## Sleep Laboratory

The department operates a sleep laboratory which diagnoses and manages patients with various sleep disorders. Also, patients with chronic respiratory ailments can be titrated for long term Domiciliary Oxygen Therapy and/or for non-invasive ventilatory support. The lab is equipped with a comprehensive & sophisticated sleep analysis system.

The department is recognised by the National Board of Examination for D.N.B. courses in the family medicine and has an active academic and research programme.

# Anaesthesiology

The department of anaesthesiology provides anaesthesia service for most complex & diverse type of surgeries performed on many critically ill patients varying in age from pre-mature babies to centenarians. Goyal hospital has 5 large and extremely well equipped operation theaters(O.T.). Each OT has laminar air flow for air-conditioning with HEPA filters. Imported dual dome OT lights, low flow anaesthesia machines with built in ventilators, and multi parameter modular monitors make the OT's comparable to the best in the world. This combined with separate pre-operative area, post operative recovery room and surgical ICU make it an excellent area for comprehensive care of patients undergoing any type of surgery - cardiac, neuro, renal transplant, joint replacement, to name a few. We also run a pain service which takes care of acute post surgery pain, pain free deliveries and intractable pain relief in cancer patients. The department also has a Pre-Anaesthetic Check up clinic.

## INTERNAL & RESPIRATORY MEDICINE

### DIAGNOSTIC FACILITIES

- Bronchoscopy
  - a) BAL
  - b) Transbronchial Biopsy
- c) Transbronchial Needle Aspiration
- d) Forceps & Brush Biopsy, Sleep Lab
- Pulmonary Function Laboratory
  - Arterial Blood Gases
  - Lactate Analysis

### THERAPEUTIC FACILITIES

- Medical Intensive Care Unit
  - a) Invasive Ventilation
  - b) Non- Invasive Ventilation
  - c) Complete Monitoring
- d) Various ICU Related Procedures
  
- Critical Care Ambulance
  - a) Transport of critical patients with ICU team
  - b) Full monitoring and ventilatory facilities

### Bronchoscopy

- a) Placement of Stents in Airways
- b) Balloon Tamponade
- c) Removal of Foreign Body

# Gynaecology & Obstetrics

## GYNAECOLOGY

### DIAGNOSTIC FACILITIES

Vaginal Swab for Vaginal infection  
Menstrual Blood for AFB Cultures

Post-Coital Test

Hysterosalpingography

USG Monitoring of Infertility

Sonosalpingography

Diagnostic D&C

Diagnostic Laparoscopy

Diagnostic Hysteroscopy

Diagnostic Pap-smear

Tumour Markers for various Gynaecological malignancies  
Hormonal Assays

### THERAPEUTIC FACILITIES

Therapeutic Procedures for Infertility

- Tubal Recanalisation

- IVS

Laparoscopic Assisted Surgeries

Hysteroscopic Surgeries

Therapeutic D&C

Cervical Biopsy

Cervical Cautery & Cryocauterization

Different kinds of Abdominal and Vaginal Surgeries

Surgeries for Ectopic Pregnancies Ovarian Cyst.

Micro-wave Endometrial Ablation

Surgery for Gynaecological malignancies

Thermal Endometrial Ablation

### OBSTETRICS

#### DIAGNOSTIC FACILITIES

All Routine Investigations, Ultrasonographic

Assessment of Foetal Well Being

Non Stress Test

#### THERAPEUTIC FACILITIES

Normal Deliveries

Vaginal Instrumental Deliveries

- Vacuum

-Forceps

Delivery of High-Risk pregnancies

Gynaecology and Obstetrics is a highly sophisticated branch of medicine, which not only demands high technical expertise but also, great commitment and dedication.

Complete with sophisticated systems and an experienced panel of doctors and staff, this department provides care to pregnant women including those at high risk with bad obstetric-history, heart disease, thyroid hypertension, or diabetes during pregnancy and delivery. High-risk pregnancies are monitored by a colour doppler to assess the well being of the foetus and blood flow studies of the baby. A labour room possessing modern instrumentation copes with normal or vacuum deliveries and high-risk third stage labour patients.

There is a special neonatal wing to provide intensive neonatal care to all newborn. In other words, the department provides complete expert care to the mother and the baby. In addition, it offers procedures like mammographic assessment of the breast to rule out breast malignancies as well as Pap-smear examination for detection of cervical cancer in women.

Furthermore, it conducts special clinics for cases of infertility, menopause, puberty, high risk pregnancies, along with general OPDs everyday. There is also a foetal heart rate monitor in all antenatal patients.

We also have Physiotherapy clinics for all antenatal, postnatal and post operative patients and diet clinics for diabetic as well as normal antenatal patients.



# General & Laparoscopic Surgery

Despite the fact that all surgical specialties are well established in Goyal Hospital, the discipline of general surgery is a busy part of the hospital. The discipline deals with diseases of the abdomen requiring surgical intervention, and minimally invasive or laparoscopic surgery of the abdomen.

With one OT dedicated to laparoscopic procedures, up to 40 laparoscopic procedures are being done every month. The commonest amongst these is the removal of the gall bladder. However the department also carries out laparoscopic appendectomy, laparoscopic hernia repair and several laparoscopic gynaecological procedures.

Gastro-Intestinal surgery or G I surgery is a rapidly developing area. The branch works in tandem with medical Gastro-Enterology & provides specialised services for complex Gastro-intestinal problems. The diagnostic aspect of Gastro-Intestinal problems is covered by the department of Gastro-enterology, whereas the department of surgery provides expertise in Gastro-Intestinal surgery for complex procedures like liver and pancreas resection and surgery for portal hypertension.



## GENERAL SURGERIES

All Major and Minor G. I. Surgeries  
Liver and Biliary Tract Surgeries

## LAPROSCOPIC SURGERIES

Lap. Appendectomy,  
Lap. Cholecystectomy,  
Lap. CBD Exploration,  
Lap. Antireflux Surgery for Hiatus  
Hernia,  
Lap. Adhesiolysis,  
Lap. Inguinal Hernia Repair,  
Lap. Incisional Hernia Repair,  
Lap. Diaphragmatic Hernia  
Repair,  
Lap. Rectopaxy for Rectal  
Prolapse,  
Lap. Vagotomy,  
Lap. Cardiomyotomy for Achalasia  
Cardia ,  
Diagnostic Laproscopy and Biopsy

## PAEDIATRICS

### DIAGNOSTIC FACILITIES

Liver and Kidney Biopsies

Bronchoscopy

Gastroscopy

Bone Marrow Aspiration Biopsies

### THERAPEUTIC FACILITIES

Surfactant Therapy

Dialysis - Peritoneal

- C.A.P.D

Exchange Transfusion

Ventilation - All Age Groups



Taking care of children who require special medical attention has always been a priority at Goyal hospital. Equipped to undertake routine and complex paediatric medical cases round the clock, this department offers a variety of laboratory tests and imaging procedures supported by a medical team of experts in **paediatric ICU** to attend children suffering from acute and emergency illnesses like electric shocks, shock, unconscious, respiratory failures, status asthmaticus status epilepticus encephalopathies, meningitis and renal failure as well as cases of Paediatric Gastroenterology, Nephrology, Endocrinology and cardiology.

### **Neo Natal ICU**

This ICU is a modern facility which provides specialized care for preterm babies and full term babies with complications. The Neonatal Intensive care unit is equipped with the most sophisticated equipment such as cardio respiratory monitors, ventilators, CPAP machine double surface phototherapy, incubators, servo controlled proportionate warmers, NIBP infusion pumps and all other monitoring gadgets and apnea monitors required to treat and conduct advanced procedures, including administering surfactant therapy, exchange transfusion, ventilation, cardioversion, artificial pacing, total /partial parenteral nutrition on even the smallest baby.

### **Paediatric Nephrology**

A special section of the department deals with kidney and related disorders. It treats patients suffering from acute/chronic renal failure, fluid electrolyte disturbances, nephrotic syndrome, UTI's and bed wetting etc.

### **Paediatric Surgery**

A speciality of department of Paediatrics is the superior handling of surgical pathology in children, new-borns and even pre-term babies. This department handles cases of congenital abnormalities, tracheoesophageal fistulas, diaphragmatic hernias, neuro-surgical and other ailments.

In addition the hospital runs a busy out-patient department for general Paediatrics and speciality clinics like gastroenterology, nephrology, endocrinology, asthma, epilepsy, adolescent, nutritional, behavioral and paediatric orthopaedics. Special high-risk follow up clinics and immunization clinics are also being catered to.

# Otorhinolaryngology

## OTORHINOLARYNGOLOGY

The department of Otorhinolaryngology, Speech Pathology and Audiology is one of the best equipped in the country. Backed by a dedicated team of Ear surgeons, Audiologists and Speech pathologists for cochlear implant surgery and rehabilitation, this department has some of the most modern machinery in this field.

It uses ultra-modern microscopes to perform micro ear and micro laryngeal surgeries. It conducts nasal and nasopharyngeal endoscopies for diagnosis and video endoscopy for all kinds of endoscopic sinus surgeries including transnasal pituitary and performs surgery for CSF Rhinorrhoea.

For patients suffering from speech and hearing disorders, the department offers an Audiometer, Impedance Analyzer, BSERA with free field facility and hearing aid testing facility. It also performs Oesophagoscopies and Bronchoscopies to deal with any kind of foreign body or lesions in the oesophagus and bronchus.

### DIAGNOSTIC FACILITIES

- Audiometry
- Tympanogram
- Impedance Audiometry
- Free Field Audiogram
- Hearing Aid Analysis
- BERA
- Nasal Endoscopy
- Direct Laryngoscopy
- Bronchoscopy

### THERAPEUTIC FACILITIES

- Endoscopic Sinus Surgery
- Tympanoplasty
- Stapedectomy
- Septo-Rhinoplasty
- Cochlear Implant Surgery
- Surgery for Angiofibroma
- Microlaryngeal Surgery
- Facial Nerve Decompression
- Endoscopy for foreign body
- Oesophagus/Bronchus
- Trans Nasal Pituitary Surgery
- Surgery for CSF Rhinorrhoea

# Dermatology

With the increase in pollution and ultraviolet rays causing a great deal of stress to human skin, this department serves as a primary and referral centre for patients suffering from all types of skin diseases such as vitiligo (leukoderma), psoriasis, acne, eczema, pigmentary disorders and leprosy, the cosmetic dermatology clinic is equipped with Electrocautery and electrolysis equipment for the removal of warts, moles, cysts, benign tumours, pigmentation and hirsutism.

It also has an Acne Clinic where treatment in the form of minor surgery, lotions and creams is provided under the expert care of the dermatologist.

# Ophthalmology

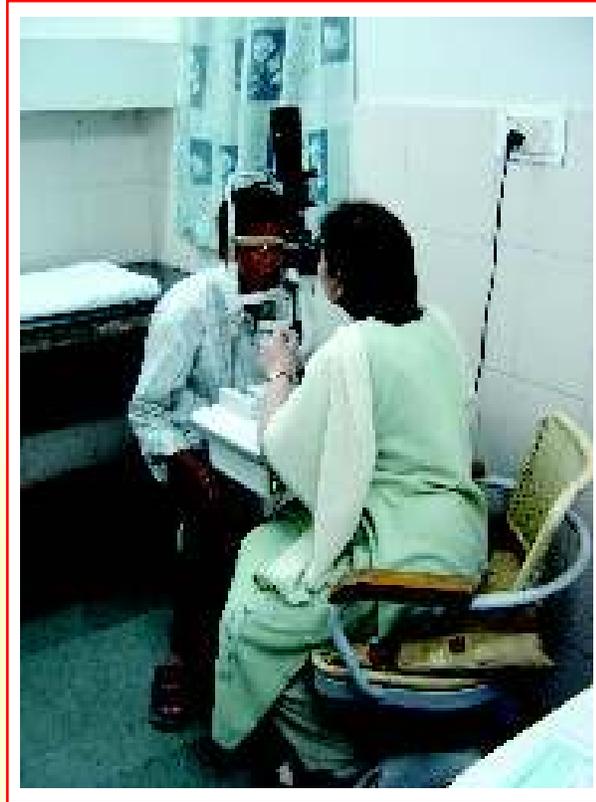
## OPHTHALMOLOGY

### DIAGNOSTIC FACILITIES

Computerized Visual Field  
Analysis  
Fluorescein Angiography  
Orthoptics  
Autorefractometry

### THERAPEUTIC FACILITIES

Cataract Surgery by  
Phacoemulsification with Foldable  
IOL  
Trabeculectomy (for glaucoma)  
Squint Surgery  
Lacrimal Sac Surgery (DCR,  
CDCR)  
Lid Reconstructive Surgery  
Vitreoretinal Surgery



With great advancement being made in the field of ophthalmology, Goyal hospital ophthalmology department has the most modern medical equipments backed by a team of the finest eye surgeons with special experience in phacoemulsification, ophthalmoplasty (lid and lacrimal disorders), squint, glaucoma, trauma and vitreo-retinal diseases.

The department boasts of a highly sophisticated operating microscope for performing various microsurgical procedures.

Cataract surgery is done using Phacoemulsification technique (sutureless cataract surgery) with foldable intra-ocular lens implantation to achieve faster and better visual rehabilitation.



# Plastic, Cosmetic and Reconstructive Surgery

With great technological advancements in the field of cosmetic surgery, a patient can now more or less, determine the way he or she looks and can do away with unattractive features. However, cosmetic surgery plays a more significant and meaningful role in the correction of facial abnormalities, physical disfigurement, accident-related & post burn scars.

The department of plastic surgery at Goyal hospital offers a wide range of cosmetic procedures apart from the advanced surgeries in Maxillofacial, Hand, Reconstructive and Microvascular Surgery thus, making it one of the city's best-equipped departments in Cosmetic, Plastic and Reconstructive Surgery.

## Psychiatry

It is estimated that one third of all patients in the world are confined to their suffering due to mental or emotional stress. At Goyal hospital, we are constantly developing newer techniques to treat and counsel patients suffering from psychomatic diseases, minor psychotic problems, major psychiatric disorders and addictions.

Our caring and supportive team of leading psychiatrists, psychologists and social therapists provide comprehensive treatment to patients suffering from drug and alcohol addiction, aggression, chronic pain, depression, destructiveness marriage maladjustments, hysteria, schizophrenia and other psychiatric and psychological disorders.

## PLASTIC SURGERY

### DIAGNOSTIC FACILITIES

Spiral CT Face  
Angiography

### THERAPEUTIC FACILITIES

Cleft Lip  
Cleft Palate  
Hypospadias  
Microtia  
Facial Bones Fracture  
OrthognathicSurgery  
Burn Contracture  
Burn Scars  
Correction of Aging Face  
Eyelid Wrinkles  
Liposuction  
Correction of Scars  
Nose Jobs  
Breast Implants  
Breast Reduction  
Hand Surgery  
Microvascular  
Reconstructive Surgery  
Skin Grafting/Flaps



# Laboratory Medicine

This department comprises of specialists with years of academic achievement and experience in modern day laboratory functions and clinical application. The quality of tests is ensured by established quality assurance procedures. Tests are performed on all days, round the clock.

**BioChemistry:** Equipped with instruments of world grade performance to perform tests with high accuracy, this department conducts special tests such as tumour markers, Glycosylated HbA1C, Immunoglobulins in addition to lipid profiles and various organ profiles.

**Histopathology & Cytology:** This section has the latest equipment and expertise for examination of body fluids, pap smear, FNAC and biopsy specimens. Frozen section facility is also available for preoperative histopathology examination.

**Haematology:** This section possesses a range of modern equipments and conducts new generation tests and analysis techniques for world class lab results. It is equipped with blood cell counters, coagstat, spectrophotometer and Beckman's cold centrifuge. Besides the regular tests, special tests carried out here are the LE cell test, reticulocyte count, bone marrow study and cytochemistry in suspected cases of leukaemia.

**Microbiology:** This department has a culture section of international standards. It includes parasitology, mycology, serology, immunology, mycobacteriology and water bacteriology. It has state-of-the-art automated equipment for blood and body fluid culture. It also plays an active role in monitoring and control of hospital acquired infections and disposal of bio-medical waste.

## Imaging

The department offers comprehensive services in all the fields of Radio diagnosis. A full range of diagnostic and interventional procedures on state-of-the-art equipment and an expert team of Radiologists is the main strength of this department. Conventional Radiology procedures are performed on 300 mA x-ray systems and two 100 mA mobile units.

Three colour Doppler Ultrasound Units, cover the complete spectrum of investigation. Its excellent colour doppler and tissue harmonics permit all examinations with very high quality images. One system is dedicated to portable examinations in the wards and ICUs for patients who are difficult to transport.

## LABORATORY MEDICINE

### DIAGNOSTIC FACILITIES

Biochemistry  
Routine test for various organs  
Lipid Profile  
Cardiac Markers  
Protein Electrophoresis  
Immunofixation Electrophoresis  
Immunoglobulins  
Arterial Blood Gas  
And Electrolytes  
Histopathology and Cytology  
  
Biopsy Specimens  
Cytological Examination  
of body fluids  
Pap Smear  
Frozen Biopsy  
Haematology  
Bone Marrow Biopsy  
Coagulation Profile including  
PT,APTT,D-Dimer BT&CT  
Special Stains for Leukemia  
Electrophoresis for  
Haemoglobinopathy  
(Out Sourced)  
Microbiology  
Routine Serology  
Special Immunological Test  
Blood and Body Fluid Culture  
Mycobacteria Sensitivity Test

# Physiotherapy

## PHYSIOTHERAPY

### DIAGNOSTIC FACILITIES

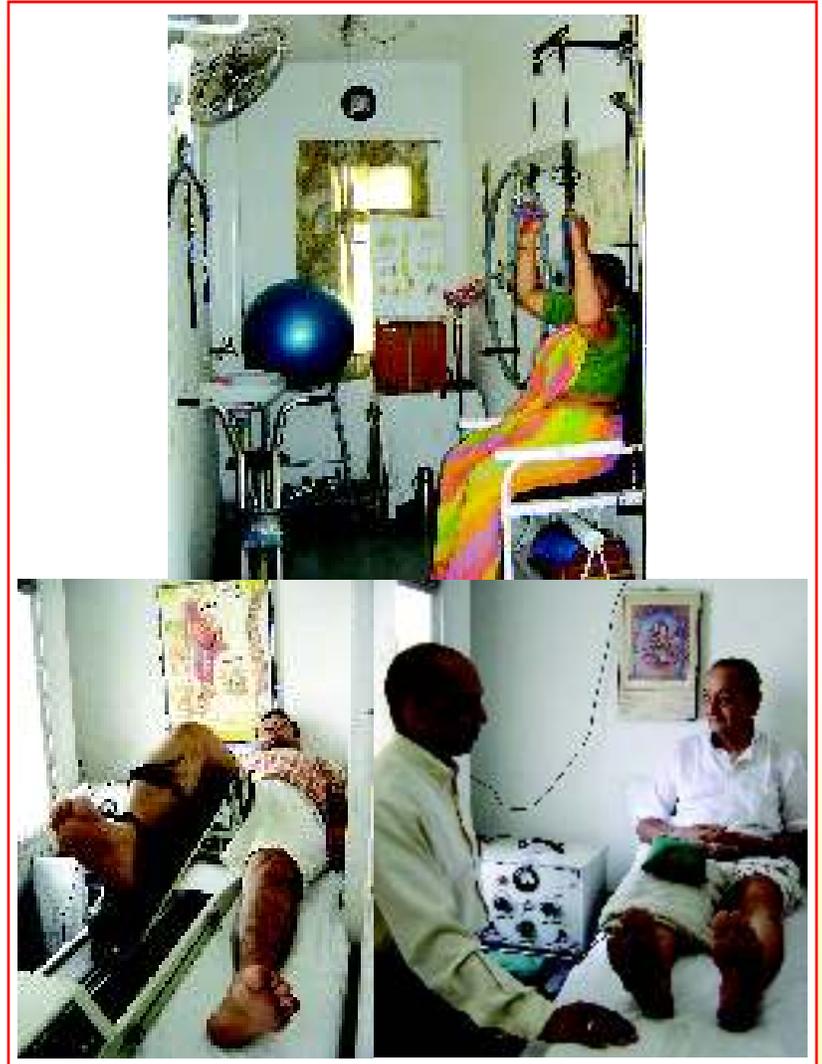
Strength Duration Curve  
Manual Muscle Testing  
ADL Assessment

### THERAPEUTIC FACILITIES

Laser Biofeedback  
Lymphapress  
PVD  
Hemiplegia, Polio Past  
Polio residual paralysis  
Post Trauma  
Cerebral Palsy  
Neurological Disorders  
Chest physiotherapy related to  
Pneumonia in Neonatal  
Paediatrics  
Longwave Diathermy  
Microwave Diathermy  
Cryotherapy

The physiotherapy department at Goyal hospital has always acknowledged the role of physiotherapy in the recovery and well being of patients suffering from physical impairments and restricted mobility. That is the reason why the department is equipped with comprehensive facilities for evaluation and treatment of cases requiring physiotherapeutic measures.

It offers the latest modalities of Electrotherapy, manipulations and exercise techniques under the guidance of skilled physiotherapists. Patients are rigorously monitored during their treatment and physiotherapy techniques are also used in cardiac, respiratory, oncology, paediatrics, nephrology and gynaecological conditions as well.



# Dentistry

The focus of the department of Dentistry is to provide comprehensive dental care to its patients. The department is equipped with state-of-the-art dental units / equipments which have revolutionized dental care in terms of patient comfort and asepsis.

The team of experienced dentists perform all types of dental procedures, ranging from routine extractions, fillings and dentures to highly specialized root canal and gum treatment. Crown and bridge work, fixed orthodontic treatment, dental implants and maxillo facial prostheses are performed with highest standard of asepsis to prevent dangerous cross infections.

Preventive and interceptive procedures for children are practised to prevent/intercept the development of deformities.



## DENTISTRY

THERAPEUTIC  
Extraction

All types of Filling

Root Canal Treatment

Crown and Bridge work  
including Ceramics

Gum Surgery

Dental Implant

Orthodontic/Surgical Correction  
of irregular or crooked teeth

Bleaching (whitening) of Teeth

# Health Checks

## HEALTH CHECKS

Health Checkup

Comprehensive Health Checkup

Executive Health Checkup

Executive Cardiac &  
Health Screening



Perhaps one of the most commonly used, yet true phrase is , "Prevention is better than cure." With stress levels at work and at home having increased over the years there has been an alarming rise in life threatening diseases like heart ailments and strokes. That's precisely why there are specially designed packages, at Goyal Health Check Department to ensure you stay healthy. Comprehensive, yet affordable, these health tests check patients for everything from hypertension, diabetes, ischaemic heart disease, liver, kidney, lung and brain disorders to auto immune disorders. In fact, these various checks can predict what disease a person is prone to or already suffers from. Based on the results, consultants offer a specific treatment, which could be from any branch of Medical Science or something as simple as a change in lifestyle.

Various preventive health check packages are available.



## Nutrition & Dietetics

Let food be thy medicine be thy food. Nature heals, thy physician is only assisting the nature. Food and Nutrition are important for human beings during health and disease. Dietetics is like all scientific disciplines, an ever expanding and constantly evolving field.

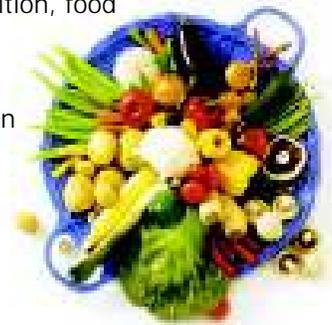
To maintain good health ingesting a diet containing the essential nutrients in correct amount is very important. In management of all diseases - Cardiac, Renal, G. I. disorder, Hepatic, Obesity, Diabetes, Cancer- Nutrition plays an important role along with medicines. Our department by explaining them the role of nutrition, the do's dont's with regard to food which helps in the recovery.

We also have an obesity clinic where we help the patients to loose weight, shed their excess fat which in turn makes them physically more fit, attractive and disease free.

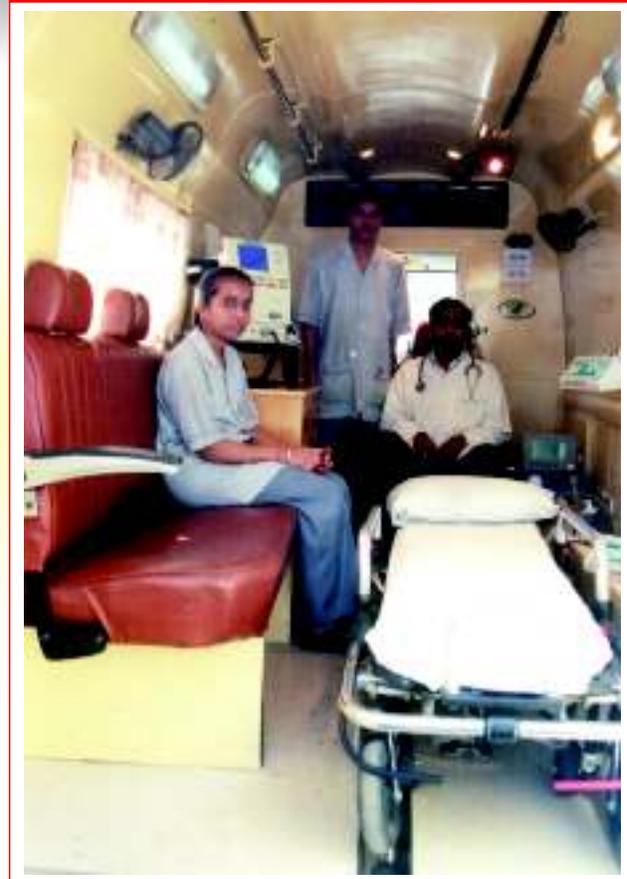
In our O.P.D. clinic we counsel all patients with regard to their nutrition, food habits which help them to improve their life style.

We also provide counselling to indoor patients which help in treatment of the disease.

Thus our aim is to improve the life style of people by improving their diet.



# Emergency Services



Providing Advanced Life Care Support at the risky work places and wherever required specially at oil drilling sites, sites of film stunts, car & camel safaries, large gatherings and covering VIP visits.

The air-conditioned critical care ambulance is equipped with cardiac monitor, defibrillator, ventilator, ECG machine, oxygen manifold, roll on stretcher trolley, scoop, fracture kit and all emergency drugs.

It is manned by a qualified doctor, an energetic nursing staff and an efficient driver.



# Goyal Hospital & Research Centre

## Hospital Empanelment

1. Oil India Limited (OIL)
2. Oil & Natural Gas Commission (ONGC)
3. Ex. Serviceman Contributory Health Scheme (E.C.H.S.)  
Armed Forces
4. Food Corporation of India
5. Jet Airways
6. TATA Iron & Steel Company Limited
7. Rajasthan State Krishi Vipnan Board
8. National Dairy Development Board
9. Regional Remote Sensing Service Centre
10. Small Industries Development Bank of India
11. State Bank Of Bikaner & Jaipur
12. Bank Of Baroda
13. Rajasthan State Co-operative Bank
14. Jodhpur Vidhyut Vitran Nigam Limited
15. Airport Authority of India
16. Pali Zila Dugdh Utpadak Sangh Ltd, Pali
17. Jodhpur Cattle Feed Plant (Rajasthan Co-operative Dairy)
18. The New India Assurance Co (Health Check-up)
19. The Pali Central Co-operative Bank Ltd.
20. Central Industrial Security Force (Airport Authority of India)
21. Unit Trust of India (Senior Citizen Scheme & Plan)
22. World Vision India, Jaisalmer
23. CAIRN Energy India Pvt. Ltd., Chennai
24. Indian Oil Corporation Ltd.
25. East West Assist New - Delhi
26. ICICI Prudential Life Insurance Co. Ltd.
27. Bajaj Allianz General Insurance Co. Ltd. Pune
28. Birla Sunlife Insurance Co. Ltd.
29. Enercon India Ltd.
30. Weatherford Oil Tool, M.E. Ltd.
31. National Hydro Electric Power Corp. Ltd.
32. Bank Of India
33. Rajasthan Government (Through Raksha TPA for Govt.  
Employees Appointed After 1-1-2004)
34. FCI Aravali Gypsum & Minerals India Ltd.

### **Third Party Administrator (TPAs)**

1. Paramount Healthcare Management (PHM)
2. E-Meditech Solutions
3. Heritage Health Services
4. Medicare
5. Raksha TPA
6. Universal Medicare
7. Health India
8. Alankit Health Care
9. Good Health Plan Ltd.
10. MD Health Care
11. Family Health Plan Ltd.
12. Medsave India Pvt. Ltd.
13. United Healthcare India Pvt. Ltd.
14. Medicare T.P.A. Services (I) Pvt. Ltd. Jaipur
15. Park Mediclaim Consultants Pvt. Ltd.
16. TTK Healthcare
17. Ranbaxy Impex
18. Vipul Med Corp. Pvt. Ltd.

# Goyal Hospital & Research Centre



## LOCATION



Railway Station - 2 km

Paota Bus Stand - 8 km

Air Port - 5 km



## SPECIALITIES

Heart Centre

Cardiology

Interventional Cardiology

Cardiac Surgery

Thoracic Surgery

Vascular Surgery

Neurology

Neurosurgery

Nephrology

Urology

Orthopaedics & Joint Replacement

Rheumatology

Gastroenterology

Gastrointestinal Surgery

Endocrinology & Diabetology

Internal Medicine

Respiratory Medicine

Gynaecology & Obstetrics

Paediatrics

Paediatrics Nephrology

Paediatric Surgery

Neonatology

Ophthalmology

Otorhinolaryngology

General & Laparoscopic Surgery

Dentistry

Dermatology

Plastic, Cosmetic & Reconstructive

Surgery

Psychiatry

Laboratory Medicine

Radiology & Imaging

Dietetics

Health Check Department

Physiotherapy & Rehabilitation



## GOYAL HOSPITAL & RESEARCH CENTRE

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