

Paediatrics

Introduction

Out Patient Department

Indoor Facility

Pediatric Ward

Neonatal Intensive Care Unit

Pediatric Intensive Care Unit

Subspecialty Services

High Risk Newborn Clinic¹⁸

Child Development and Guidance Clinic

Immunization Services

Genetic Clinic

Endocrinology Clinic

Epilepsy Clinic

Hematology-Oncology Clinic

HIV Clinic

Nephrology-Urology Clinic

General Pediatric, Neonatal and Orthopedic Surgery

Community Outreach Programme

Academics

Courses offered

Research and Publications

Conferences and seminars organized

Vision 2020



INTRODUCTION

The Department was established in 1993. Since then it has grown from a handful of doctors to a team of more than 30 full-time and honorary faculty members and 35 support staff with a mission and commitment to the care of children.

Our mission statement: “Imparting Knowledge, Empowering Children”, is based on our dual role as a training institute and clinical care facility. We strive to achieve the best possible standards

-in facilitating transfer of knowledge to students to train them to become tomorrow's great physicians and scientists.

-in treating children in an evidence based manner, adapting recommendations to local conditions and logistics. Our department logo serves as a constant reminder of the same.

The department runs post graduate programmes (MD, DCH) and also offers various post-doctoral fellowships in Neonatology, Pediatric Epilepsy and Pediatric Endocrinology. Apart from the clinical services and teaching, it nurtures a growing Research Cell.

The Pediatric care facility is spread over an area of 22, 000 sq. ft. and includes the Pediatric OPD, Pediatric ward, Intensive Care Units and an office complex. Under this umbrella we offer a large range of facilities from neonatal intensive care to an array of subspecialty clinics:

Child Development and Guidance Clinic

Pediatric Endocrinology Clinic

Pediatric Epilepsy Clinic

Pediatric Hemato-Oncology Clinic,

High Risk Newborn Clinic

Pediatric HIV Clinic

Pediatric Nephrology Services

Through our outreach programme and retrieval facility we extend our services beyond the four walls of Bharati Hospital.



The OPD is child friendly with a busy aquarium and cartoon figures on the walls. Its location on the ground floor of the Hospital ensures that patients have easy access to the laboratory, radiology department and other OPDs like ENT, Ophthalmology and Dermatology.

- Waiting time reduced by exclusive registration counter and payment for vaccines etc, within the Pediatric OPD.

- Each child attending the OPD is issued a record book showing growth parameters, immunization and illnesses, which remains with the parents.
- A special cubicle affords necessary privacy to breast feeding mothers.
- A television with cable connection and VCD player in waiting area for entertainment and for parent education on health related issues.
- Social workers for counseling and welfare.

Dr. Ruma Deshpande, in-charge of the OPD complex, is available on all days of the week from 9 am to 4 pm.

The 3 unit heads along with unit members are available in the OPD 2 days a week.

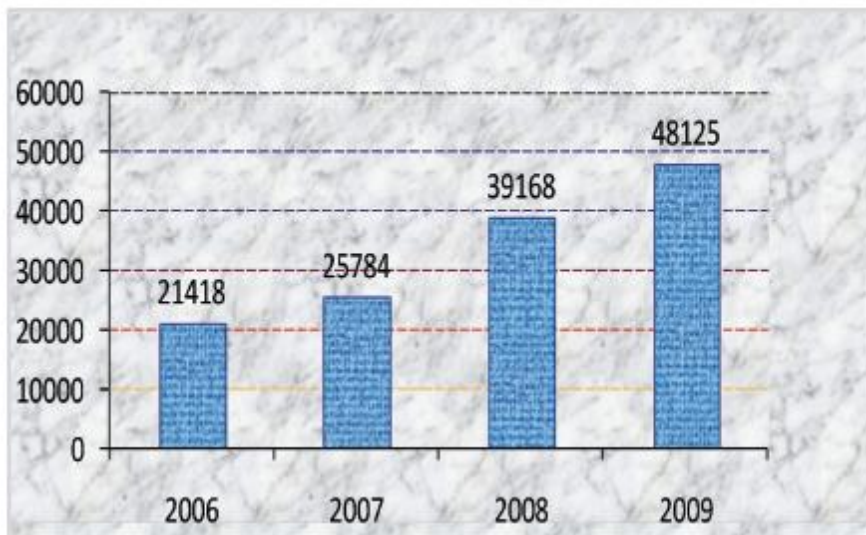
Monday, Thursday: Dr. SK Lalwani

Tuesday, Friday: Dr. VR Kalrao

Wednesday, Saturday: Dr. Jyoti Sharma

Contact : 020 – 24375182. Ext : 128

Pediatric OPD Attendance 2006 - 2009



The Pediatric Ward

Located on the III floor of Bharati Hospital, the ward accommodates 120 beds, each with storage space and a bedside locker. Aesthetically designed in multiple colours to match the spirit of the little ones, it is illuminated with natural light and has a large aquarium, play-area and TV with VCD player.

- High Dependency Unit: 12 beds, each equipped with centrally supplied oxygen and suction.
- 9 special isolation rooms.
- ~ 20 admissions per day.
- Referrals from all over Maharashtra
- Well trained, dedicated nursing staff.
- Team of social workers taking care of aspects of patient care and funding.

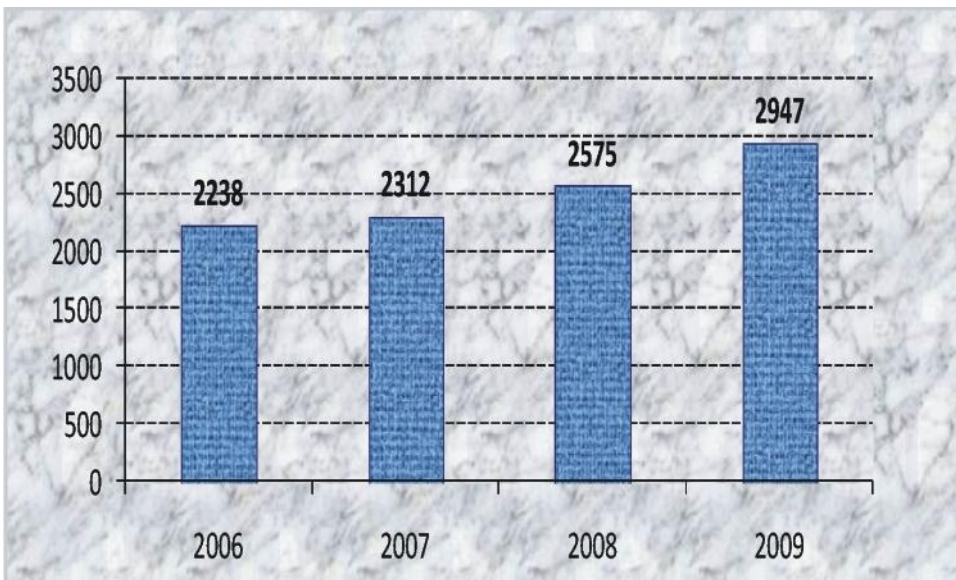
- Printed discharge summary.
- Special proformas for speciality clinic records.
- Pantry for preparation of feeds by the mothers.

Other Facilities

- Seminar room equipped with audiovisual aids used for undergraduate and post-graduate teaching, as well as guest lectures.
- Departmental library and 24-hour internet access.
- Dedicated room for data operator for electronic capture of patient details.



Pediatric Ward Admissions 2006-2009



Neonatal Intensive Care Unit



- National Neonatology Forum Accredited
- 60 bedded NICU spread over 10000 sq. feet.
- Advanced ventilation- HFOV
- Bubble CPAP
- TPN
- Neonatal surgery
- In house
 - ABG & S Lactate estimation
 - Neurosonography
 - Echocardiography
- Video EEG
- ROP Screening & LASER therapy for ROP
- Hearing screen
- High risk newborn follow up clinic
- Neonatal retrieval services
- Postdoctoral Fellowship programme in Neonatology
- Electronic capture of patient details

The Team: Dr. Pradeep Suryawanshi

Dr. Nandini Malshe

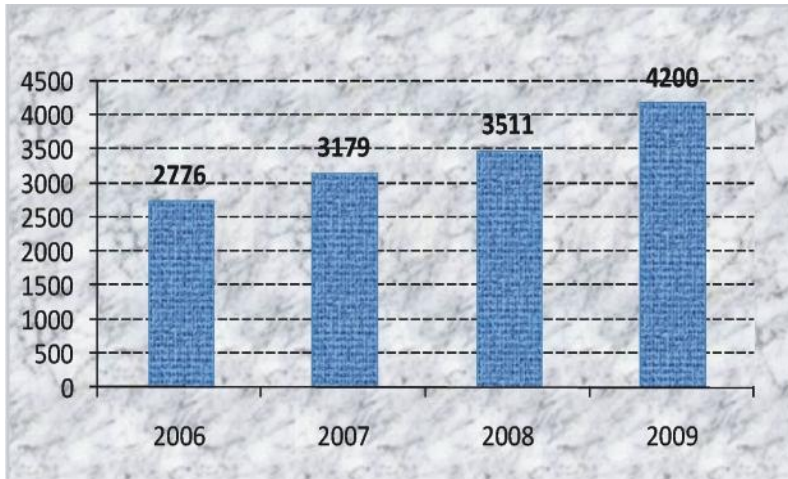
Dr. Rema Nagpal

Fellows in Neonatology

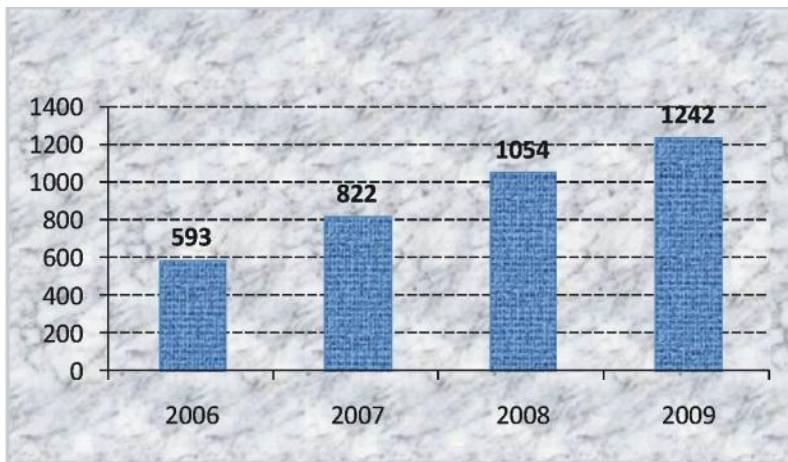
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Direct : 020-24375542

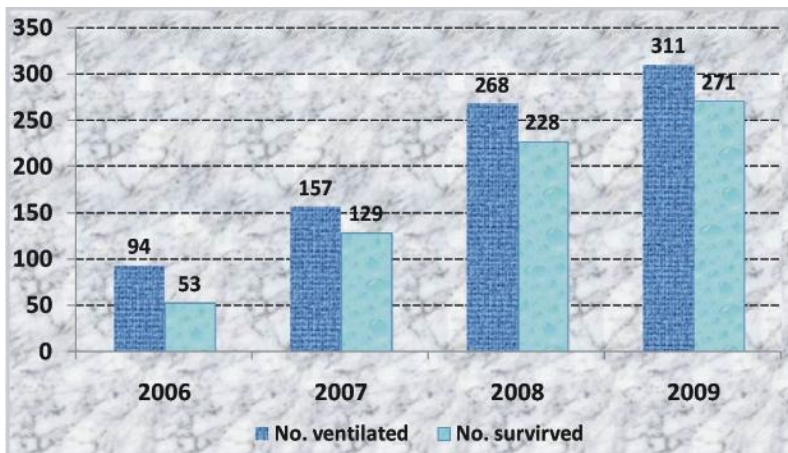
NICU & Postnatal Ward Admission 2006 – 2009



NICU Admission 2006 – 2009



NICU Ventilation & Survival Data 2006-2009

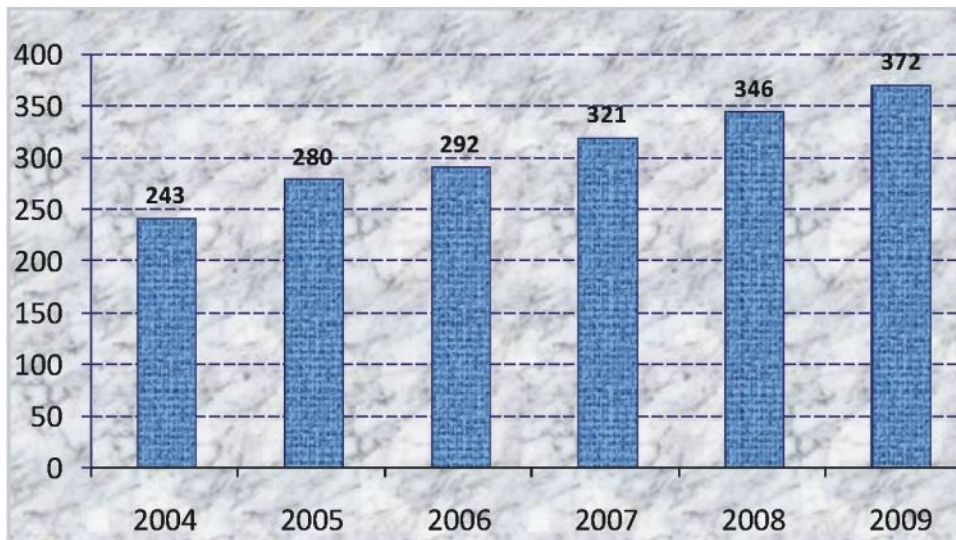


ELBW & VLBW data of 2007 & 2008:

Birth weight	Number	Number survived	Percentage of survival
< 1 kg	59	48	81%
1-1.5 kg	154	148	96%

Pediatric Intensive Care Unit

- Pediatric Critical Care Chapter Accredited
- 10 bedded PICU, located as an extension of the Pediatric Ward.
- Central supply of oxygen, suction and compressed air.
- Well equipped with 3 ventilators, multipara monitors, ECG monitors with oximetry, automated BP monitors with oximetry, infusion pumps, ECG machine, dedicated X-ray machine, a defibrillator and an automated cyclor for peritoneal dialysis.
- PICU Admission 2004 – 2009
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Dr. Vijay Kalrao

Dr. Jitendra Oswal

Dr. Sachin Khambayate

Contact: 020-24375182 Ext.: 514



SUB SPECIALITY SERVICES

High Risk Newborn Clinic

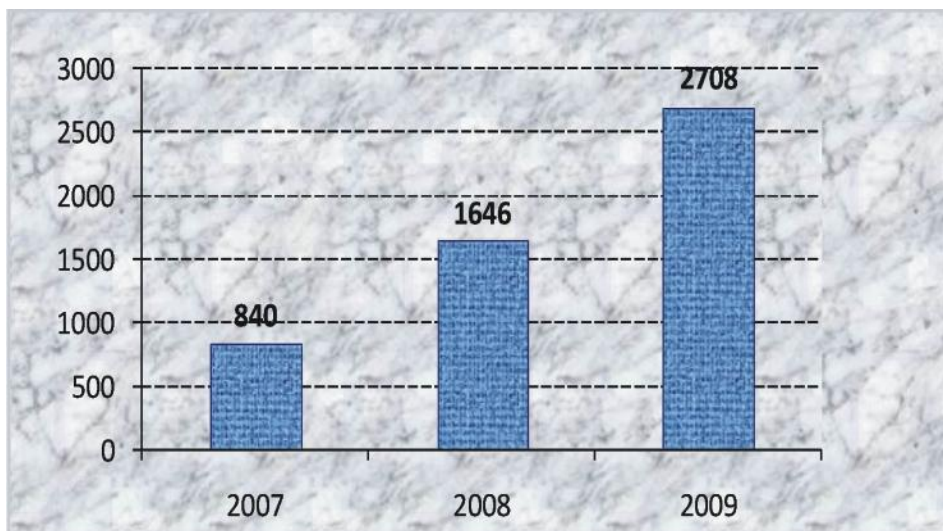
The clinic enrolls all babies discharged from a Neonatal Intensive Care Unit. Within it plays an important role in

- Monitoring of growth and development.
- Early detection of abnormal neurodevelopment and initiation of appropriate interventional therapies.
- Physical rehabilitation.
- Screening and management of prematurity.
- Assessment of hearing.

Team:

- Dr. Nandini Malshe
- Dr. Rema Nagpal



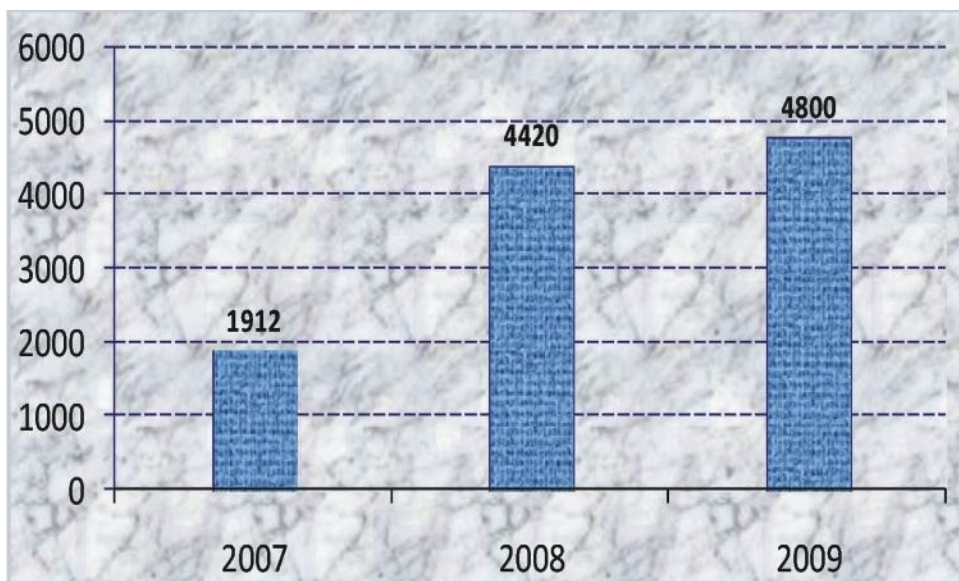


Child Development and Guidance Clinic

With an aim to improve care of children with scholastic backwardness as well as rehabilitation of those with physical handicaps, the Child Development and Guidance Clinic was started in 2009. This Clinic provides highly specialized child and adolescent emotional and behavioral support care.

- It takes referrals from consultants and schools from all parts of the city, for children with disorders like cerebral palsy, mental retardation, attention deficit hyperactivity disorder, learning disorders, autistic spectrum disorders, eating disorders, somatising disorders and other emotional and behavioural disorders.
- Includes a neurodevelopmental service for detailed assessment of IQ/DQ by a psychologist and educational assessment and remediation advice by a special educator.
- Expertise is available for physical assessment and rehabilitation by a team of well-trained physiotherapists.
- The Clinic is further supported by easy access to the school of Audiology and Speech language Pathology where OAE, BERA, cochlear implantation and speech therapy are offered.
- As part of our social commitment the clinic team undertakes teacher awareness and training programmes on a regular basis.

Child Guidance Clinic & Physiotherapy Data 2007 - 2009



Pediatrician and : Dr. Leena Pandit

Clinic Co-ordinator

Consultant Psychiatrists: Dr. Jyoti Shetty
Dr. Arvind Panchandikar

Child Psychologists : Dr. Analpa Paranjape
Ms. Kalyani Karmarkar

Medical Social worker

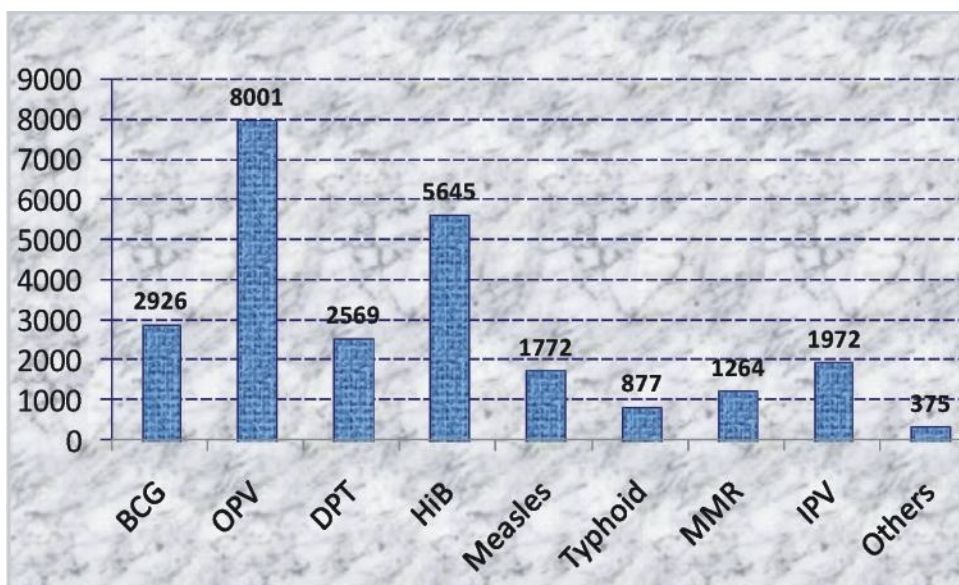
Contact no. : 9657751244



Immunization Service

- Every day from 9am-4 pm within the Pediatric OPD.
- All vaccines as per the national immunization schedule
- Optional vaccines recommended by the Indian Academy of Pediatrics.

Immunization Data 2009



Helpline no

9604981116

Genetic Clinic

It provides links with services for genetic tests when required, including testing for carrier detection or prenatal diagnosis. Parents of children with multiple malformations and dysmorphic syndromes are given guidance for investigation and management.

Endocrinology Clinic

Established in 2002.

- Offers diagnostic and therapeutic services for patients with growth, calcium & bone and intersex disorders.
- Cares for children with obesity, diabetes mellitus, thyroid and other endocrine disorders.
- Receives referrals of approximately 25-30 new patients per month
- Provides links with the local Diabetic Society.
- Post-doctoral Fellowship in Pediatric Endocrinology in 2010.

Pediatric Endocrinology Clinic 2002 – 2009



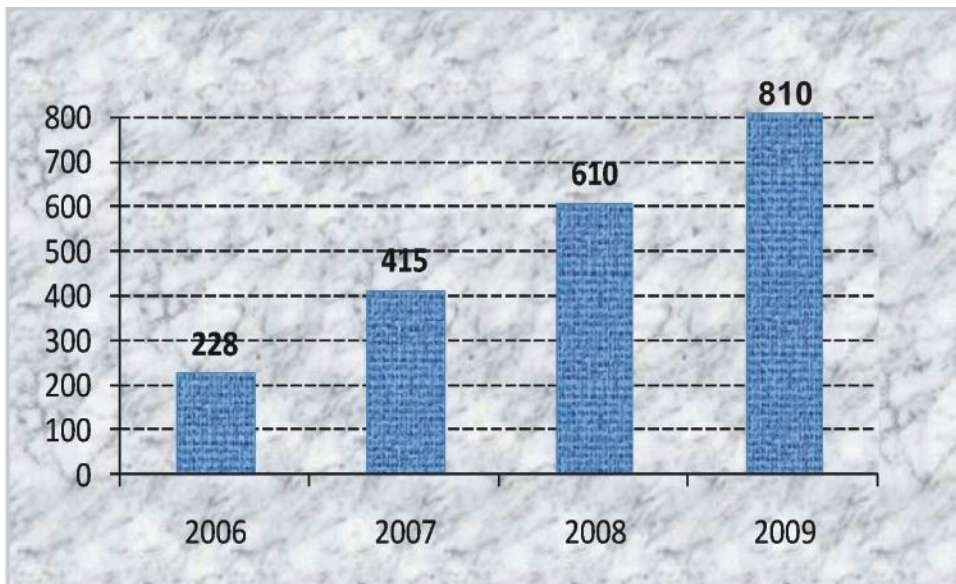
Dr Vaman Khadilkar

Dr. Rahul Jahagirdar

Epilepsy and Neurophysiology Clinic

- This clinic is responsible for diagnosis and treatment of a wide range of complex epileptic disorders with expertise in neonatal seizures and epileptic encephalopathy.
- 2 EEG machines and a video EEG facility.
- 80 EEGs per month, including bedside EEGs in the critically ill children the NICU and PICU
- Facilities for EMG, NCV, VEP available for patients with neurological disorders like myopathies, neuropathies, GBS etc.
- Evaluation and management of epilepsy as per ILAE protocol.
- Management of intractable epilepsy with ketogenic diet in consultation with a dietician with experience in the field.
- Epilepsy Support Group: a forum of parents and caretakers of children with epilepsy meets once a month to discuss the problems they face and their coping strategies.
- Fellowship Programme in Pediatric Epilepsy initiated in 2009.

Epilepsy Clinic - EEGs 2006 – 2009



Dr Surekha Rajadhyaksha

Dr. Kavita Srivastava

Dr. Shalini Garg

EEG technicians: 2

Contact no : 020-24375182 Ext: 159

Mobile number: 9604714231



Haematology - Oncology Clinic

- This Clinic provides a comprehensive service for the diagnosis and management of childhood hematological disorders and malignancies including leukaemias and solid tumours.
- Expertise exists in the management of histiocytic disorders and myelodysplasias, disorders of haemoglobin synthesis, red cell disorders like thalassemia which includes a transfusion program and chelation.
- Provides links with the city Thalassemia and Cancer Support Groups.

Dr. Vibha Bafna

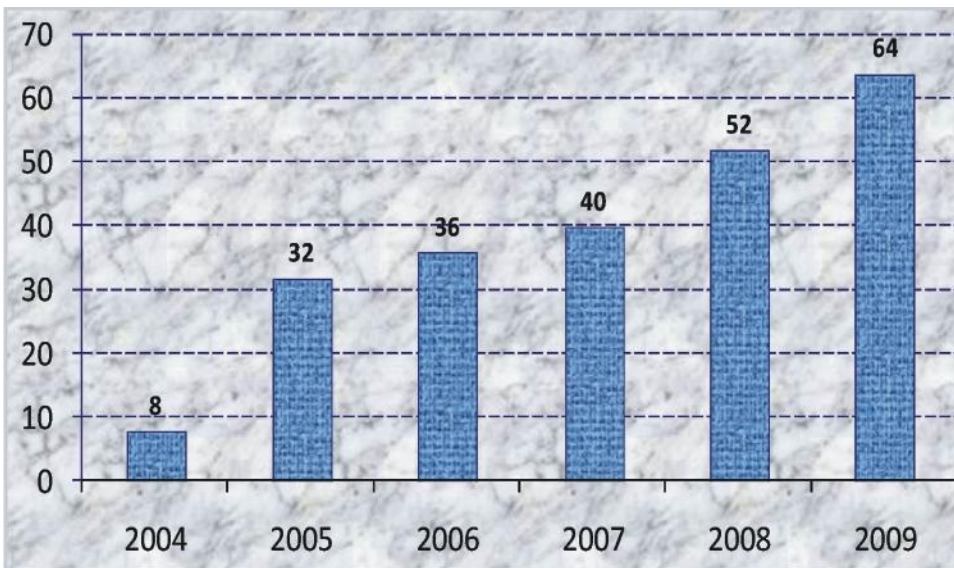
Dr. Shailesh Kanvinde

HIV Clinic

Started in 2001, the clinic deals with

- Testing of babies and children for HIV including pre and post-test counseling.
- Full investigations, monitoring and treatment of children with HIV and AIDS.
- Support, advice and information to the child, family and carers.
- Training on pediatric HIV infection for doctors & paramedics.
- Shared care with local district general hospitals and pediatricians.
- Provides links with community health services and other support agencies.

Pediatric HIV Clinic 2004 – 2009



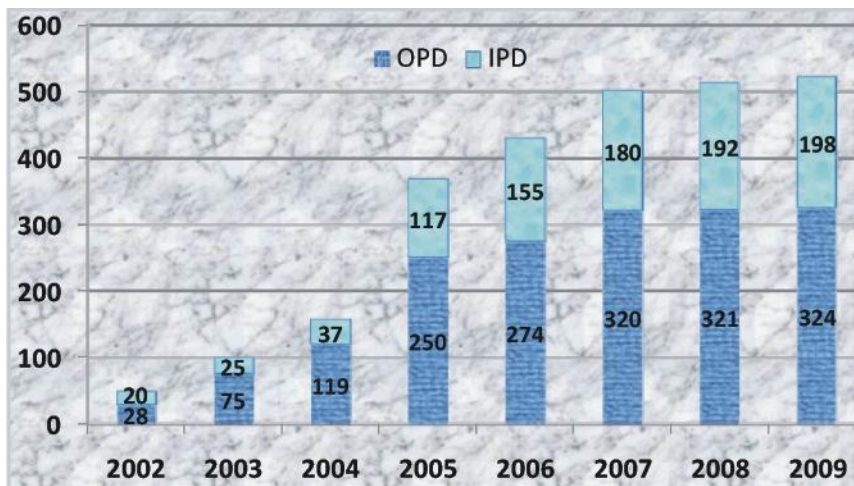
Dr. Jitendra Oswal

Nephrology-urology Clinic

Started in 2003, the unit provides a comprehensive inpatient and outpatient service for children with kidney diseases. It has links with Children's Kidney Care Center, St. John's Medical College, Bangalore for patient care & training.

- The unit has expertise for investigation and management of children with acute renal failure, nephrotic syndrome, haemolytic-uraemic syndrome, hypertension, vasculitis, tubular disorders and infants, young children and adolescents with chronic and end-stage renal failure.
- Facilities exist for acute peritoneal dialysis, initiating continuous ambulatory peritoneal dialysis, automated dialysis, hemodialysis, plasmapheresis and kidney biopsy with a minimally traumatic automated gun.
- The Clinic works closely with the urological service providing care and follow-up management of infants and children with complex nephro-urological disorders.
- Patient (parent) information booklets in local vernacular for information about nephrotic syndrome, and commonly performed procedures like MCU, USG and kidney biopsy are available.

Pediatric Nephrology-Urology Clinic 2002 – 2009



Dr. Jyoti Sharma



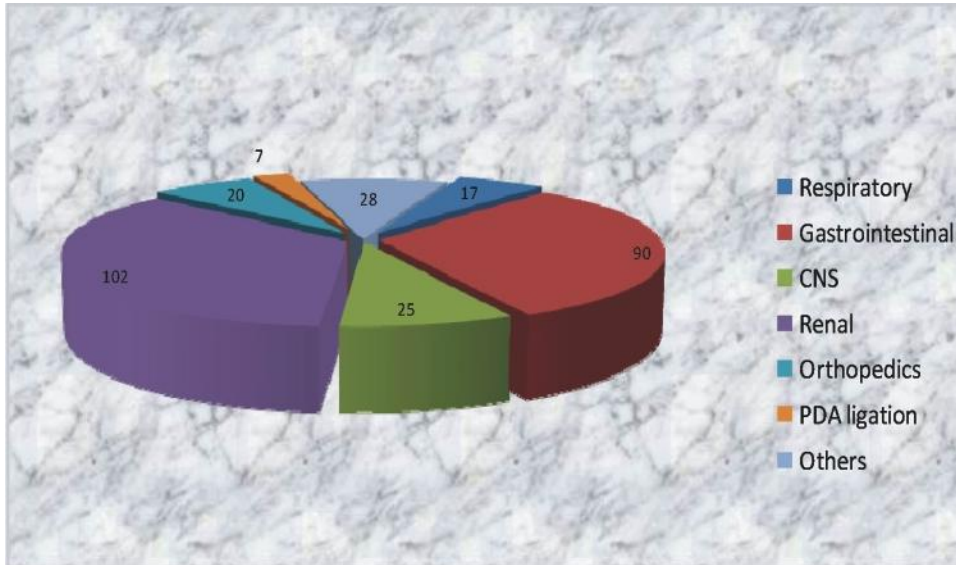
Pediatric Surgery

It offers neonatal and general pediatric surgery. It provides pre- and post-operative care for conditions of

- Gastro-intestinal tract, including esophageal atresia, ano-rectal abnormalities and diaphragmatic hernia.
- Thoracic surgery including decortication.

- Urology with availability of a cystoscope and neonatal resectoscope.
- Diagnostic and therapeutic bronchoscopy, including foreign body removal with a dedicated pediatric rigid bronchoscope.
- Patent ductus arteriosus ligation in neonates and older children.
- Surgical Oncology.

Pediatric Surgery 2009



Dr. Shashank Shrotriya

Dr. Shreeprasad Patankar

Paediatric Orthopedics

Paediatric orthopedic clinic takes care of the orthopedic problems in children from birth to 16 years & includes management of disorders like

- Trauma.
- Congenital malformations like CTEV.
- Developmental disorders like CDH, Perthe's disease.
- Infections like neonatal septic arthritis and osteomyelitis.
- Management of cerebral palsy like contracture release & Botox therapy.

Dr Sandeep Patwardhan

Paediatric Orthopedic Surgeon

Research Cell

Dedicated to clinical research, clinical trials are carried out as per ICMR and GCP/ICH guidelines. Team members have been trained in clinical research and data management. Since the first trial was undertaken in 2004, the unit has participated in over 15 clinical trials in the fields of vaccines, hypertension, epilepsy, nephrology and HIV and received grants from various agencies due to the meticulous efforts of a team of research officers.

Dr Sonali Palkar

Dr Kavita Pawar

Retrieval Services



Patients including neonates are transferred to our facility from a radius of up-to 200 kms. in a specially designed, ambulance which is manned by trained staff and has amongst other equipment, a ventilator.

Contact : NICU 020 24375542 PICU 020-24371116 ext 514

VISION 2020

- Establishing a Pediatric Center of Excellence which would provide teaching and patient care facilities in all pediatric sub-specialities.
- Increasing infrastructure and other facilities to promote increase in intake of students and for training as postgraduates and post-doctoral fellows in Pediatrics.
- Complementing pediatric epilepsy unit by addition of a paediatric neurologist.
- Fully equipped pediatric Hematology-oncology unit.
- Establishing a holistic child rehabilitation center.
- Initiate pediatric Asthma Clinic.
- Initiate a Pediatric Cardiac Care Clinic.
- NICU
 - Volume Guarantee Ventilation
 - Inhaled nitric oxide
- Collaboration with National and International universities for faculty and student exchange programs.
- Community based research.
- Establish an organ retrieval and transplantation center.