

# Charutar Arogya Mandal



Annual Report 2008-2009



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## *The Structure that Reflects Our Vision*



**T**he structure of the Charutar Arogya Mandal is a reflection of its commitment to professionalism on one hand and accountability to the community, including its many donors, on the other. Registered as a trust and a society, its properties are vested in the Board of Trustees. Its policies are decided by the Governing Body headed by the Mandal's Chairman, Dr. Amrita Patel, who is also the executive head of the Mandal. The Governing Body functions under the purview of the Governing Council, which is a wider body with representation from donors, sister institutions and members of the Mandal, in addition to the members of the Governing Body. The President of the Mandal, Shri Hasmukhbhai Shah, chairs the Council meetings. The Council, in turn, reports to the General Body, in which the members of the Mandal participate. The total number of members as at March 2009 was 1879.

### **Trustees**

Shri JM Rawal  
Shri Baboobhai Z Patel

### **Governing Body**

#### **Chairman**

Dr. Amrita Patel

#### **Hon. Secretary**

Shri Jagrut Bhatt

#### **Dean**

Dr. Utpala N Kharod

### **Members elected by the Council**

Shri Chimanbhai B Patel  
Dr. Chhotubhai L Patel  
Shri Ashokbhai J Patel  
Shri Natubhai M Patel  
Shri Thakorabhai C Patel  
Shri Prayaswinbhai B Patel  
Ms. Mirai Chatterjee  
Shri Harshadbhai S Patel

### **Member co-opted by the Governing Body**

Dr. Babubhai R Patel

### **Member co-opted by the Chairman**

Shri Hasmukhbhai S Parikh  
Smt. Dakshaben N Shah

### **Governing Council**

#### **President**

Shri Hasmukhbhai Shah

#### **Vice-President**

Shri Chimanbhai B Patel

#### **Chairman**

Dr. Amrita Patel

### **Members elected by the General Body**

Shri Bharatbhai M Patel  
Shri Harshadbhai S Patel  
Shri Maganbhai B Patel  
Dr. Ambalal I Patel  
Smt. Sumiben V Patel  
Shri Rameshbhai Shah

### **Donors' Representatives**

Shri Ashokbhai J Gokal  
Shri Ravindra J Gokal  
Shri Kishorbhai J Gokal  
Shri Hasmukhbhai S Parikh  
Dr. Anand N Nathwani  
Shri Shishir K Diwanji

Shri Jagrut Bhatt  
Ms. Mirai Chatterjee  
Shri Manubhai S Patel  
Dr. Babubhai R Patel  
Shri KB Sanghvi  
Shri Natubhai H Desai  
Shri Nitinbhai R Desai  
Shri Bharat N Dave  
Shri Ashokbhai J Patel  
Shri Dinshaw A Desai  
Shri Navinbhai C Patel  
Shri Thakorbbhai C Patel  
Dr. Darshit Shah  
Shri Prayaswinbhai B Patel

**Nominee of Karamsad Municipal Borough**

Shri Kiranbhai R Patel

**Chairman, Charutar Vidya Mandal**

Dr. Chhotubhai L Patel

**Hon. Secretary, Charutar Vidya Mandal**

Shri RP Patel

**Members nominated by the Governing Body of Charutar Vidya Mandal**

Dr. ARV Murthy  
Dr. AK Saluja

**Vice Chancellor, Sardar Patel University**

Prof. (Dr.) BG Patel

**Chairman/President, Anand District Panchayat**

**Representative of Bakrol**

Shri Chandrakant M Patel

**Eminent ladies nominated by the Chairman**

Smt. Dharmishtaben N Pandya  
Prof. Ila Patel  
Smt. Neelima Khaitan

**Members Co-opted by the Council**

Maj. Gen. Virendra Singh  
Shri Shantibhai M Amin  
Shri Natubhai M Patel  
Shri Dinubhai P Patel

**The Board of Management for the Pramukhswami Medical College has the following members:**

**Chairman**

Dr. Amrita Patel

**Hon. Secretary**

Shri Jagrut Bhatt

**Dean**

Dr. Utpala N Kharod

**Chief Executive Officer**

Shri Sandeep Desai

**Sardar Patel University**

Vice Chancellor  
Prof. (Dr.) BG Patel

**Bochansanvasi Akshar Purushottam Sanstha**

Shri SA Patel

**Co-opted Members**

Dr. BR Patel  
Consulting Cardiologist, Vadodara  
Dr. MM Rajapurkar  
Medical Director  
Muljibhai Patel Urological Hospital, Nadiad  
Dr. Jagdish N Patel  
Hon. Secretary  
Medical Care Centre Trust  
KG Patel Children Hospital, Vadodara

**A Board of Management has also been set up to provide policy inputs to the Cancer Awareness, Education and Early Detection Project. Its members are:**

Dr. Amrita Patel  
Chairman  
Charutar Arogya Mandal  
  
Dr. Viren Doshi  
Chief Executive Officer  
Tribhuvandas Foundation  
  
Dr. Ravi Patel  
Oncologist and Donor  
  
Shri Chandrakantbhai Patel  
Donor  
  
Dr. Pankaj Shah  
Director  
Gujarat Cancer & Research Institute,  
Ahmedabad  
  
Dr. VK Gupta  
Medical Director  
Rajkot Cancer Society

Shri Jagrut Bhatt  
Hon. Secretary  
Charutar Arogya Mandal

Dr. Utpala N Kharod  
Dean  
Pramukhswami Medical College

Dr. S Mukherjee  
Professor (Community Medicine)  
Pramukhswami Medical College

Dr. Girish Mishra  
Project Director & Convenor

Dr. S Shastri  
Professor & Head  
Department of Preventive Oncology  
Tata Memorial Cancer Centre  
Mumbai

**The Charutar Arogya Mandal Medical Research Society, the Mandal's arm engaged in the field of medical research appropriate to local conditions, is managed through a Scientific Research Advisory Committee, which is responsible for approving and reviewing the research proposals and the Governing Council, which provides policy inputs and directions in research. The members of these committees are:**

### **Governing Council Committee**

#### **Chairman**

Shri Has Mukh Shah

#### **Members**

Dr. Amrita Patel  
Shri CB Patel  
Shri Ashok J Patel  
Dr. BG Patel  
Dr. BR Patel  
Dr. RR Doshi  
Shri JM Rawal  
Dr. ND Jotwani  
Dr. Utpala N Kharod  
Dr. NM Kharod

### **Scientific Research Advisory Committee**

#### **Chairman**

Dr. BR Patel

#### **Members**

Dr. RV Bhatt  
Dr. Mahesh R Desai  
Dr. Geeta Pandya  
Dr. Utpala N Kharod  
Dr. MM Rajapurkar  
Dr. Shilin N Shukla  
Dr. TE Udwardia  
Dr. Madhvi Sheth

#### **Research Coordinator**

Dr. Nayanjeet Chaudhary

## *Empowerment and Ownership*

**T**hose working in the Mandal's institutions have, for the last few years, created in their own way a unique model of governance; a model that encourages participation of everyone in all the activities and one that seeks accountability from the participants themselves. In doing so, it also fosters a sense of ownership among the staff members that enables it to face all challenges in the most effective manner.

Over the last few years, the staff, growing in number each year, have engaged themselves progressively in defining and redefining their own work and planning it for more effective results. The foundations of the planning process are laid and strengthened at semi-annual meetings, called Retreats, which has emerged as a forum that is central to all planning and thinking for the senior staff of the Mandal.

In the current year, these Retreats were

even more intense. The first of the Retreats, the mid-year meet, saw progress on many initiatives, the seeds of which were sown earlier. Thus, while on the one hand the staff, this time numbering well over 50, deliberated on the financial situation of the Mandal and its implication, significant decisions in respect of matters where there would ordinarily be competing claims, such as allocation of budget for purchase of equipment, were taken in a great spirit of collective responsibility. The amount of funds available for investment is finite and the expectations and needs of those delivering services in the institutions are much higher. The total investments, based on the estimates made by each department, required to be made totaled Rs. 525 lakhs, while the amount available was merely Rs. 150 lakhs. What followed were several rounds of negotiations, where departments not only tried to cut down on their own requirements, they questioned and critically evaluated the requirements of other departments. The result that actually emerged, and the manner in which it transpired, speaks volumes of the maturity of the staff and their



active involvement in deciding their own future.

The most important decision, however, related to how the operations of the Mandal's institutions were organised. The Mandal seeks to inculcate the values of a charitable organisation, but believes in professionalism in its working and it becomes necessary, therefore, that the organisation of its activities takes cognizance of these somewhat conflicting expectations. After much deliberation, it was decided that the hospital-related activities should be divided into five areas; outdoor services, indoor services, critical care services, trauma & emergency and operation theatres. Pharmacy, radiology and labs, which support these areas and by themselves have significant activities, were also considered as independent areas, requiring attention and focus.

Similarly, the academic activities were categorised in respect of undergraduate and postgraduate courses. And finally, recognising the importance of research in an academic institution, it was also designated as an area that would be given more focused attention.

All these areas, 'Verticals' as they are referred to, were then assigned one senior staff, each of who volunteered their services, to manage them as Vertical Heads.

This process was further strengthened at the second Retreat, in early January, where each of the Vertical Heads not only presented the present financial picture of their respective Verticals, but also a tentative operating plan for the forthcoming year and some broad strategies on how these would be achieved. These plans were presented to a much larger audience comprising all the faculty members and officers of the Mandal, as well as its Chairman and Secretary, in a full-day session.

Other important interventions followed. A process of equipping the "Verticals" and those managing it has been initiated. Each Vertical now has a management executive supporting it. The Vertical Heads have undergone a Management Appreciation Programme that was conducted in two

modules of three days each at the Institute of Rural Management, Anand. The vertical heads and the management executives participate in a meeting that is held each Wednesday, where not only the progress and difficulties faced by them are discussed and resolved, their management capability is also sought to be strengthened by discussing contemporary management theories and practices. In fact, one of the more intense discussions just before the second Retreat that this group was concerned with was arriving at the Core Purpose and Core Values of the Mandal. These, fundamental to any institution, but even more so for the Mandal at the present stage of its existence, have since helped in being the basis of a number of decisions.

#### **Our Core Purpose**

To provide modern and professional health care to the rural community equitably.

#### **Our Core Values**

1. **Commitment: Doing things wholeheartedly (with heart & soul)**
2. **Excellence: Continuous improvement to achieve best possible standards**
3. **Honesty & Integrity: Meaning what we say and doing what we mean**

As a final step, before starting the process of transformation, a tentative vision of the Mandal, 'To surpass CMC, Vellore as the role model of rural health care', was enunciated.

The operating plans have since then been refined, more concrete strategies have been worked out and a performance evaluation programme has been put in place. Even more importantly, these and other decisions taken at the Retreats were communicated to the remaining staff members through a series of eight full-day sessions.

What has emerged is a future that has been planned and projected by those who are going to live it. They own it, will carry it forward and benefit from it. This is our way of introducing empowerment and ownership, and we hope, one day, it would become iconic enough to inspire others.

## *Bhanubhai & Madhuben Patel Cardiac Centre*

The latest addition to the Mandal's facilities, the Bhanubhai & Madhuben Patel Cardiac Centre was inaugurated by Shri Prayaswinbhai Patel, Chairman and Managing Director of the Elecon Group of Companies on October 8, 2008, on the auspicious day of Dussera. His family was also present. The Centre, built at a total cost of Rs.16 crores, houses state-of-the-art equipment for treatment of all cardiac conditions and fulfils a long-standing need of the region. The centre is funded entirely by the Elecon Group of Companies. The Centre has a collaboration with Dr. KM Cherian, the world-renowned cardiac surgeon and his hospital, Frontier Lifeline Hospitals, at Chennai. All the para-

medical staff working at the Centre have been trained at Frontier Lifeline. On the occasion of the Centre's inauguration, Dr. Cherian himself performed a couple of surgeries. The Centre is now connected to the Frontier Lifeline Hospitals with a telemedicine link that enables our consultants to be in touch with specialists there.

In the long-term, the Centre aims at specializing in paediatric cardiac cardiology, an area that remains largely ignored by commercial cardiac centres, as the patients are largely from the lower economic strata. The Centre has made a start in this direction by appointing as its head a cardiac surgeon, who is trained in paediatric surgery under Dr. Cherian. A cardiologist with training in paediatric cardiology has also been appointed. It is expected that over the next couple of years, the Centre would not only become self-sufficient, but would start contributing towards the deficit of the Shree Krishna Hospital.





## *Institutional Highlights for the Year*

### **April 2008**

- Cochlear implant surgery and Rehabilitation Centre was made functional.

### **May 2008**

- The CDL, a collaboration of the three concerned departments: the Departments of Biochemistry, Microbiology and Pathology, created history by receiving accreditation by the National Accreditation Board of Testing and Calibration Laboratories (NABL). In doing so, Pramukhswami Medical College became the first medical college in the country to have all its laboratories (Biochemistry, Clinical Pathology and Haematology, Cytopathology, Microbiology and Surgical Pathology) accredited.

- The revised health check-up programme was introduced.
- Charutar Arogya Mandal received approval under Section 35AC of the Income Tax Act for two of its projects; the Cardiac Centre and Upgradation of cancer treatment facilities.
- Facility for Blood Component Separation was made operational.

### **July 2008**

- 10 management quota seats were given as Tata-CAM scholarships to undergraduates under the HM Patel programme for Academic Excellence.
- Opening of Extension Centre at Bhadran, Anand.

### **August 2008**

- The Mid-year retreat was organized.
- Indoor services for patients were made free to mark the birth anniversary of the Founder Chairman, Dr. HM Patel.
- Cancer Survivors 'Meeting, 'New Hopes New Dreams' was organized on





August 27, 2008 and a new product, Cancer Krupa, was announced on that day.

**October 2008**

- The Cardiac Centre was inaugurated on October 8, 2008 and the first surgery was performed on the auspicious occasion of Dussera.
- The event was marked by a musical evening by Manhar Udhas on the 11th of October.

**November 2008**

- Pay revision was announced for the employees of the Charutar Arogya Mandal.

**December 2008**

- HM Patel Memorial lecture was held on December 1st.
- The Department of Paediatrics, PSMC was granted two seats for Fellowship in Neonatology of the Indian Academy

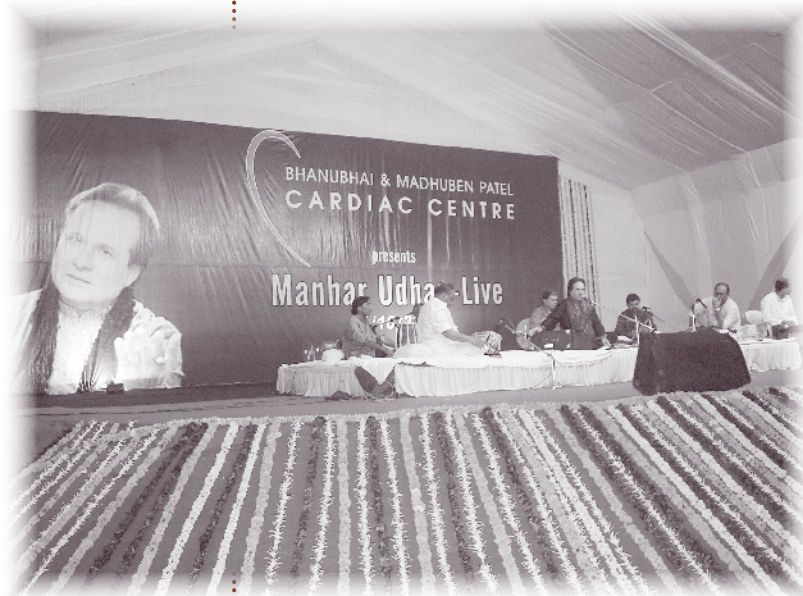
Paediatrics, Neonatology Chapters. PSMC is the only institution in Gujarat to have been conferred the honor of conducting the fellowship.

**January 2009**

- The annual retreat was organized on 2nd and 3rd January 2009.

**February 2009**

- A pneumatic system for conveying samples, blood products and medicine was commissioned.



## Medical Education

*We offer to our students an environment conducive for excellent teaching and learning so that they become health care professionals of the highest calibre, sensitized to the health needs of the less-privileged and equipped to carry out ethical and value-based practice.*

*For this to happen, we focus on the following aspects of teaching and learning, which distinguishes us from other medical institutions:*

1. *Adherence to a planned and rigorous academic schedule,*
2. *Regular updates of the teaching material and curriculum,*
3. *Experimenting with innovative teaching methodologies, and*
4. *Arranging special events on a regular basis, in order to keep abreast of the latest knowledge and enhance our visibility on the academic map.*

The Mandal's educational institutions; Pramukhswami Medical College, HM Patel Institute of Post-Graduate Studies, KM Patel Institute of Physiotherapy, GH Patel School of Nursing and Smt. LP Patel Institute of Medical Lab Technology, conduct a number of courses, both at undergraduate and post-graduate level. Some of the major activities with regard to these courses are as follows:

### **Undergraduate Courses:**

#### **Medical:**

#### **Scholarships for Economically Weaker Sections:**

The admission process for the MBBS course is largely guided by the decisions taken by the Government of Gujarat for self-financed institutions. This year, the Government promulgated the Gujarat Act No-3 of 2008 namely "The Gujarat Professional Medical Educational Colleges or Institutions (Regulation of Admission and Fixation of Fees) Act 2007", which stipulated that 75% of the seats would be filled up by the

Government on the basis of its merit list, while 15 seats should be filled by non-resident Indians and 10 seats could be filled up by institutions, as management seats. Self-financed institutions generally generate considerable revenue from the fees charged for management seats. However, in keeping with the mission with which Dr. HM Patel founded this institution, it was decided to make these seats available to the economically weaker sections of society. Under the aegis of the HM Patel Programme for Academic Excellence, meritorious but economically weak students aspiring to pursue MBBS degree were given TATA-CAM scholarships at an annual fee of only Rs.5000 against the regular fee of Rs. 2.75 lakhs annually.

Students with a family income of less than Rs. 2 lakhs, and who had scored above 80% were considered eligible to apply for the scheme, provided they give an undertaking that after graduation, they will serve the Mandal for three years, in affiliated hospitals or field programmes. This would enable the Mandal to create a pool of skilled and trained doctors, especially so that the outreach programmes are run under the care of trained and meritorious MBBS graduates.

The response to the scholarship scheme was overwhelming. A total of 417 applications were received out of which 10 candidates were selected. Each of these applications was screened in a systematic manner:

1. A first-level screening of the applications received was made by a senior faculty member and applications where the stated income was more than Rs.2 lakhs and/or merit less than 80%, were excluded.
2. Ten two-member teams comprising senior faculty and staff members visited each of the first 30 candidates on the merit list that had been prepared after the first screening. This was to verify, first hand, the living conditions of the candidates and her/his family as well as the contents of the application form. The teams visited

- 10 locations within a period of four days.
3. The findings were discussed in a group consisting of members of the ten teams and candidates that were considered eligible, were identified and a merit list prepared.
  4. As a last step and to ensure validity and objectivity of the entire process, the findings of the teams were placed before a Committee consisting of educationists from outside (Director-Sardar Patel Renewable Energy Research Institute, Senior Professor-IRMA and Dean-Veterinary College, Anand Agricultural University) as well as the Dean of the Medical College and Dean of Faculty, Sardar Patel University.

The final admissions were given in the order of merit. The selected students were not only provided remission in fee and their hostel stay made free, but their text books and other study materials have been made available without charge, courtesy a group of doctor donors from the USA. The students have been performing well and are well-adjusted to the college.

### **Development of System-based Integrated Curriculum**

Continuing the process which was initiated two years ago, Heads of all Departments and other senior colleagues continued to meet to improve upon the unique System-based, Integrated Teaching which has now been institutionalized for the MBBS students of the Pramukhswami Medical College.

Though the MCI regulations do not cover aspects of First Aid, Medical Ethics and Communication Skills, having realized that most MBBS students and graduates often suffer on these fronts, these subjects have been formally introduced in the curriculum for First MBBS.

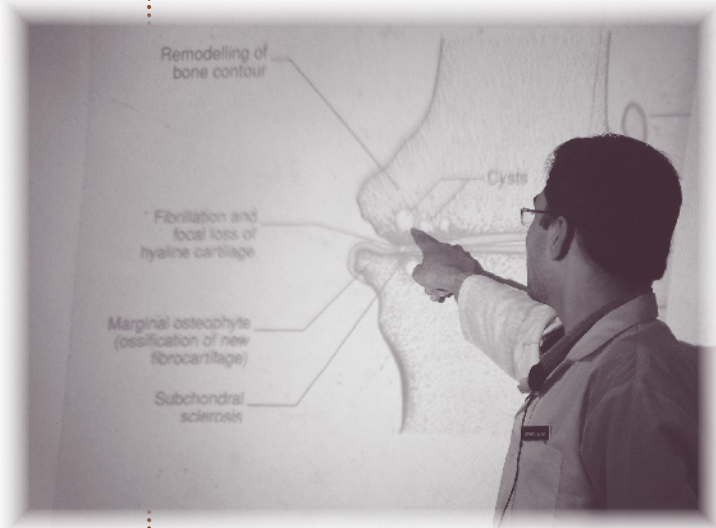
The routine for the 2nd MBBS students is well in place, the participating departments are familiar with planning the

system-wise curriculum, with departmental co-ordinators having been appointed for each system. The co-ordinators consult the concerned teachers for the given system and ensure that there is no unnecessary repetition and most importantly, the learning objectives for each lecture are defined. The clinical departments try to ensure that the sessions are interactive, and a problem-based approach is encouraged with case discussions at the end of each system. In spite of the mammoth efforts required, the teaching schedule has proceeded in a time-bound manner without any rescheduling or postponement. The schedule for each system is displayed at least a month in advance, so that both, the teachers and students, come prepared. Student feedback is taken at regular intervals.

The faculty is now focusing its efforts on designing the curriculum for the 3rd MBBS students. In the clinical subjects, the aim is to introduce a few modules of common clinical problems where integration of clinical, para-clinical and pre-clinical subjects is feasible. It is anticipated that when the batch of 2006, with which the process of integration started, graduates, the Pramukhswami Medical College would have provided medical schools of the entire country with a role model for System-based, Integrated teaching.

### **Development of Faculty**

In order to improve the quality of teaching further, during the year, faculty development workshops were organized to sensitize faculty



members on various aspects of teaching. The workshop topics were:

1. Objective Structured Clinical Examination (OSCE) and Objective Structure Practical Examination (OSPE)
2. Microteaching
3. Art of Lecturing and Interactivity in a Large Group

In order to ensure that changes and advances in medical education are brought about in a systematic manner, members of the faculty were encouraged to pursue fellowships under



the FAIMER (Foundation of Advancement of International Medical Education and Research) Fellowship programme. Having at least five FAIMER fellows at the Medical College will bring about a qualitative change in the teaching methodology as also expose the faculty members to academicians at both national and international levels. Additionally, two senior professors attended the Teacher Training Programme at National Teacher Training Center (NTTC) at Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry. Eight faculty members attended conferences on medical education held at other medical colleges.

### **Student Orientation**

The orientation programme for the MBBS students admitted in 2008 was held for a period of 1 week. The effort is to first make the students comfortable and minimize the inhibitions of a newly admitted medical student. The orientation programme includes visits to the hospital and field visits as well.



Counseling of all first MBBS students continued at regular intervals. In order to ensure that the students adjust well to a life away from and to the pressures of the MBBS course, each first MBBS student is assigned a faculty member (ten students per faculty) to ensure that they are adequately looked after and supported. Three counseling sessions were arranged for all First MBBS students during the year – the first such session was conducted by an external trained counselor.

### **ICMR Short Term Studentship (STS) for Medical Undergraduates**

The Indian Council of Medical Research runs its Short Term Studentship Programme to promote an interest and aptitude for research among medical undergraduates. The main objective of this programme is to provide undergraduate medical students the opportunity to familiarize themselves with research methodology and techniques, by being associated for a short duration with their seniors on ongoing research programmes or by undertaking independent projects. It is expected that this activity might inspire these students to take up research as a career in the future. During the year, three 2nd MBBS students were awarded the ICMR STS-2008, under the guidance of the Department of Physiology. Two of these students have been invited to participate in the 3RD National Conference for Medical Students which is to be held at Kasturba Medical College, Mangalore in June 2009. Two 2nd MBBS students of the College, who were awarded the ICMR STS-2007 under the guidance of the Department of Physiology, also participated at the National Conference of Physiologists and Pharmacologists of India (APPICON 2008)

held at Kasturba Medical College, Mangalore during the year.

### **Physiotherapy:**

The new students for the Bachelor's course (BPT) admitted during the year was the first batch exposed to the integrated system for teaching of basic sciences. This new initiative probably would be the first of its kind in India in physiotherapy teaching. The Institute has introduced Objective Structured Clinical Examination (OSCE) and Objective



Structure Practical Examination (OSPE) system for the first year BPT students for both internal assessment as well as the University Examinations. A revised curriculum was implemented for the first time for the 3rd year BPT students and as its part, log books were introduced. Physical and Functional diagnosis has been included in the new syllabus and a series of case presentations were made by the students throughout the year with active faculty participation.

### **Nursing:**

The students of the GH Patel School of Nursing performed well at the University Examinations. As a part of their learning programme, the students are exposed to not only a number of medical institutions which specialize in areas such as Cardiology, Neurology and Nephrology, they are also taken to a myriad of institutions which deal

with such diverse subjects as primary health, industrial activities, rehabilitation of mentally challenged persons, water and sanitation, etc.

The Candle Lighting Ceremony for PTS (Preliminary Trainee Students), one of the highlights of a student's life at the School and a moving ceremony that inducts these aspiring students in the profession of nursing, was celebrated with the same sobriety and dignity during the year.

### **Post-graduate Studies:**

The goals and strategies for various PG courses were decided at the mid-year retreat and include:

- Systematic training programme for all postgraduate disciplines
- Uniform assessment methods for all postgraduate disciplines
- Evaluation of training programme and continuous renewal
- Capacity building of faculty for teaching and research skills

Subsequent to the mid-year retreat, a senior faculty member has been appointed to guide a Post Graduate Academic Cell. The Cell would prepare, in consultation with the departments running the post-graduate programmes, generic curriculum modules which would be common to all disciplines. These modules are expected to address the development of competencies of post graduates in the areas of professionalism, communication, emergency patient care, teaching skills, research methodology etc.

### **Medical:**

#### **Scholarships for Post-graduate students**

The Mandal provides merit-cum-need based scholarships ranging from 50 – 75% of the total fees to meritorious students from economically weaker backgrounds, who score high marks in the post-graduate entrance test conducted by the College. There are 10 such students in the process of completion of their studies and some of them are serving the Mandal in fulfilment of their scholarship obligation.

**Student Orientation:**

Before they join work at their respective departments, the post-graduate students undergo an orientation programme of 10 days, which takes them through the various activities and procedures related especially to patient care. This ensures that the new students do not waste time in getting acquainted and also learn how to work in an integrated fashion for the patients' best interests. A trip to the sub-centres is also included only to re-emphasize the Mandal's commitment to work with the community that it serves.

**New additions and recognition of courses:**

A Fellowship Programme in Neonatology under the aegis of the Indian Association of Paediatrics was started in the Department of Paediatrics. Two students are admitted every year under the programme.

During the year, postgraduate courses run by the Departments of Chest Medicine, Ophthalmology, Pathology and Skin and VD received recognition from the Medical Council of India.

**Physiotherapy:**

The first batch of Master of Physiotherapy graduated during the year. The third batch of MPT students joined the course. The students went through an orientation programme on the day of their induction, which included observation at the indoor and outdoor services at the physiotherapy department for a month before regular assignments. Medical Education Technology classes were conducted for the PG students during the year.

**Medical Laboratory Technology:**

With the increasing relevance of diagnostics in patient care, it is envisaged that there would be a considerable scope for technically trained personnel for various positions in hospitals and laboratories. The DMLT and

M.Sc.(MLT) courses, through theory classes, practicals and postings at its NABL-accredited Central Diagnostic Laboratory (CDL) of Shree Krishna Hospital, have been providing a unique opportunity to candidates to acquire not only knowledge and skill in laboratory techniques, used for the diagnosis and management of a variety of diseases, but



also to strengthen their interest for research and development by undertaking an in-house research project as a compulsory dissertation in the M.Sc. Programme. An on-the-job training programme; under which the students, after completion of DMLT, are selected on merit for 1-Year traineeship at the Central Diagnostic Laboratory of Shree Krishna Hospital, is also available. During the year, 8 junior trainees joined the programme. Twenty six students successfully completed their DMLT and the first batch of 8 students, admitted in 2007, completed their M.Sc.(MLT) course during the year

**Other activities:****HM Patel Memorial Lecture**

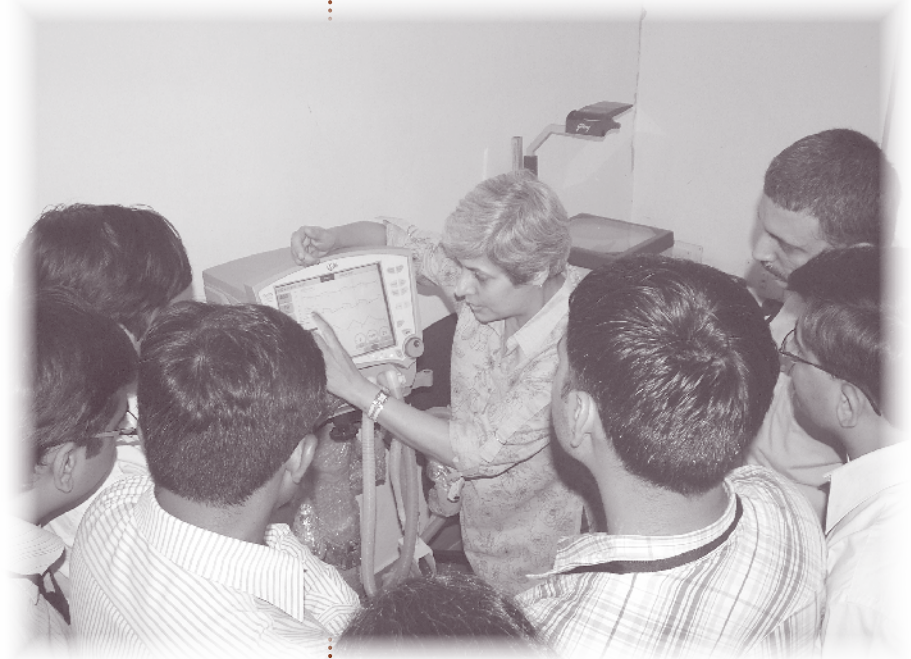
The 4th HM Patel Memorial Lecture on "Surgical Care In India – A Purely Personal Perspective" was delivered by the eminent surgeon, Dr. Tehemton E. Udwardia on December 1, 2008. The Memorial Lecture series is an attempt by the Mandal to create a platform through which issues of concern

in the field of public health are discussed and the staff and students of the Mandal's institutions are sensitized to these issues. Dr. Udwardia, who has been honored with such awards as Padma Shree by the Government of India, the Order of the British Empire (OBE) by Her Majesty Queen Elizabeth II and Dr. BC Roy National award for promoting the specialty of Laparoscopic Surgery in India, started his presentation by quoting Martin Luther King, Jr., "Of all the forms of inequality, discrimination and injustice in health care is the most shocking and inhumane", and went on to discuss the rural-urban divide in terms of the practice of Surgery in India- the fact that there is a low surgeon to patient ratio, even after the rise in number of medical colleges, a disproportionately large population of doctors is located in urban areas. Though the Bhore committee and other subsequent committees have tried to develop a three tier structure for Health Care in India, there has remained a vast gap in planning and performance. According to Dr. Udwardia, Surgical training in India, to an extent, is unrelated to reality as most of it is directed to the practice of surgery in an urban setting. Thus, although on the one hand Indian surgery has achieved tremendous heights in urban India, there is no surgical care for the rural poor in large parts of the country. Dr. Udwardia emphasized the need for an urgent rethinking and revamping of the medical education system in India – a system which 'relentlessly churns out specialists where the need of 70% of the people of this country is for general surgeons!'. He further went on to give examples of innovation in surgical techniques

to suit Indian conditions especially in terms of lowering the cost of surgery to the patient. Dr. Udwardia concluded by saying that in spite of surgical care for the poor being an uphill and Herculean task, it is worthy of every ounce of our collective effort and energy and appealed to surgeons everywhere in the country to come together and ensure basic surgical care for the poor also.

### **Integral Health**

A teaching programme incorporating some basic aspects of Integral Health has been initiated for the students of First MBBS in active collaboration with the Department of Physiology. The concept is based on a holistic approach towards health, bearing in mind spiritual aspects and principles of alternative forms of medicine other than Allopathy. A Certificate Course on Basic Principles and Practices of Ayurveda was



organized at the institution wherein 15 senior faculty members/students participated. The course is a unique and first of its kind faculty development programme in the Western Zone of the country. A monthly programme of participatory meetings deliberating on certain quintessential aspects of health is regularly arranged under the Evolve meetings. The participants include students of First MBBS, teaching and non teaching staff members of



the institution. The topics covered include subjects such as 'Empathy', 'Prayer', 'Right attitude in work', 'Gratitude', 'Humility', 'I treat', 'He cures' and 'Divine Grace'. Guest lectures were also organized by inviting eminent specialists on subjects such as Integral Approach to Healing, Integral Health and on Spirituality as a necessary component of Medical Education. Perhaps the biggest lacuna for alternative forms of medicine is the lack of literature and publications, that leads many to criticize this form of medicine. An initiative has been taken up by a faculty member in the form of a research project to compare the various forms of Medicine.

#### **Academic activities organized by Pramukhswami Medical College**

- A symposium on "Integrated Teaching Learning Programme in Undergraduate Medical Education: an Indian Perspective" was organized, as a part of the Platinum Jubilee celebrations of the Medical Council of India. Faculty members from all ten medical colleges of Gujarat were invited to participate in the symposium. It was observed that very few medical colleges in the country are following integrated curriculum for undergraduate training and Pramukhswami Medical College's system-based integrated teaching at pre-clinical and para-clinical level is, therefore, unique.
- Forty three "Involve" academic meetings were organized during the year, covering a variety of topics, including case discussions and newer techniques or even research findings.
- A Xenobiotics Week was organized by the Department of Pharmacology in collaboration with National Pharmacovigilance Programme of India. This included many talks and an exhibition by the faculty members for increasing awareness of Xenobiotics among Health Professionals at various levels. The department also organized two CMEs on Xenobiotics Awareness for Complementary and Alternative Medicine Practitioners in collaboration with the National Pharmacovigilance Programme of India and with the Indian Medical Association and the Anand Branch of Gujarat State Family Physician's Forum.
- The 3rd Gujarat State Inter-medical College Physiology Quiz Competition was organised for the first year medical undergraduates. 150 students from 10 Medical Colleges of Gujarat participated in the competition. The department was also involved in post-graduate teaching of Industrial Hygiene to students of ISTAR, Vallabh Vidyanagar
- The first Paediatric Cardiac CME was organized by the Department of Paediatrics in association with the Indian Academy of Paediatrics (Gujarat Branch) on 'Awareness to the Medical Fraternity in Paediatric segment'. Dr. KM Cherian, prominent cardiothoracic surgeon, was the Chief Guest. The department also organized Quiz competitions for nurses and students on Newborn Week Celebrations. In addition 'Breastfeeding week' was celebrated from 1st August to 7th August, 2008.
- A number of events were organized by the Department of Preventive & Social Medicine, including celebrations for the World Health Day, International Women's Day, World No Tobacco Day, World AIDS Day and World TB Day. These events, organized in collaboration with a local institution, were marked with quizzes, competitions, educational programmes, screening camps and exhibitions, where a large number of participants, especially from the community, attended and benefited. Some of these programmes were organized in collaboration with the Department of Extension Programmes.
- A workshop on 'Benign Head and Neck Lesion' with live surgical demonstration was organized by the Department of ENT, where the participants could view the surgeries while sitting in the auditorium.
- A Laparoscopic Hernia Training Workshop was organised by the Department of Surgery for training the staff and residents of the department.

### Events organized by the KM Patel Institute of Physiotherapy

The Institute arranged a brain storming session on “Physiotherapy Diagnosis / Physical Functional Diagnosis”, a newly introduced subject in the curriculum, where the senior faculty members from various colleges of Gujarat participated. In association with the Indian Association of Physiotherapists, Anand Kheda districts branch, the institute organizes weekly case discussion, where cases are presented by the faculty of the Institute.



World Disability Day was observed by organizing a cultural function, where specially-abled children performed. Apart from the Physiotherapy students, students from Mitra Rehabilitation School, Mogri and Deepa Academy, Tarapur also participated in the programme which was organized with the support of Rotary Club of Anand Town and under the aegis of the Indian

Association of Physiotherapists, Anand Kheda Districts branch.

### Library

A number of books, journals, clinics, patient education resources, CDs and DVDs were purchased during the year. With purchases of upto Rs.5.46 lakhs, the number of books went up to 11,690 during the year in addition to 9614 bound volumes of journals, 739 CDs, 45 DVDs and hundreds of video and audio cassettes. Orders of Rs.33 lakhs were placed for purchase of journals, many of them online through EBSCO and Dynamed. The institution subscribed to MD Consult from Elsevier, Springer, and Oxford. Total online paid journals are 356 in number and there are 52 print journals.

### Savitaben and Hirubhai Patel Student Activity Centre

As of March 2009, the membership of the Centre is 1050 members including staff members. The major activities at the centre include Health and fitness programmes, Weight management programmes, Aerobics, Badminton, Table Tennis, Nutritional assessment and counseling services, Health cafeteria, Music club, Dance classes, Book club and a Movie club.



## Patient Care

*We would offer to our patients, comprehensive and personalized health care with commitment and compassion at an affordable cost, to their utmost satisfaction, while keeping ourselves abreast of the state-of-the-art technology.*

*In order that we are able to do this, we focus on the following aspects of patient care:*

1. *Constantly review the cost of treatment to patients, including review of the average length of stay at the hospital and the rationality of treatment, to ensure that the treatment remains affordable,*
2. *Evolve treatment packages that suit patients from various income strata, with special emphasis on economically disadvantaged persons, and*
3. *Constantly update and introduce new, relevant medical technologies so that the treatment at the hospital continues to maintain its high standard*

The patient care services of the Mandal are delivered by a number of institutions; Shree Krishna Hospital, MS Patel Cancer Centre, Bhanubhai & Madhuben Patel Cardiac Centre and the many extension centres located in the periphery. A brief report on the activities of these institutions is as follows:

### **Shree Krishna Hospital & Medical Research Centre:**

The hospital's reputation as a modern, yet affordable health facility continued to grow. Its efforts in reducing the cost of treatment has led to several unique features, a few of which are:

1. Charging a flat fee of Rs.10 for registration of out-patients, old or new.
2. No registration charges for members of a Below-the-Poverty-Line (BPL) family as well as senior citizens, two major vulnerable groups in our country.
3. OPD Registration charge of only Re.1 for all women and children below 12 years.
4. A discount of 5% on medicines to all

patients and higher discounts, including a 25% discount on all diagnostics to BPL families and senior citizen groups.

5. "Antyodaya" programme for BPL patients through evidence of ration card status get 50% concession on all treatment including charges for ICU. They also get free accommodation and food during their stay in general wards and 10% discount on medicines.
6. 50% discount to senior citizens during hospitalisation.
7. Janani Krupa, which provides an ante-natal package and free hospitalisation at the time of delivery.
8. Several surgical packages which make treatment extremely affordable, e.g. the package for cataract surgery costs Rs.500, which includes an intra-ocular lens.

As a measure of its commitment to continually look at ways to reduce the cost of treatment for the community and make it more affordable, on the occasion of the birth anniversary of its Founder Chairman on August 27, 2008, the hospital announced that for all patients in general wards, the cost of bed and food would be free. These steps,



together with the dedicated and committed work of the medical and para-medical staff of the hospital, have contributed immensely in creating a positive impact in the minds of the community. As a result, the work of the hospital and its satellite centres increased significantly during the year.

The hospital services are now organized around five Verticals; outdoor services, indoor services, critical care, operation theatres and trauma services. In addition, pharmacy, radiology and lab services are also managed and monitored independently. Highlights of the major activities of these Verticals are given below:

### **Outdoor Services**

The out-patient services witnessed a significant increase in attendance. During the year, 2,48,249 patients attended various OPDs of the Shree Krishna Hospital, an increase of 22% over the previous year.

The Hospital's health check-up programmes grew impressively in popularity, with 4645 individuals participating in it compared to 1600 in the previous year. During the year, the health check up programmes were revised to make them more comprehensive and patient-friendly. An air-conditioned lounge has been opened, where patients wait and relax in between investigations. The participants are escorted to various areas of the hospital by trained attendants. A feedback mechanism is now in place in order to receive inputs for continuous improvement.

The work at the Extension Centres of the Shree Krishna Hospital continued to increase. During the year, the extension centre at Anand Agriculture University and another at Bhadran became operational, while the services at Petlad were expanded, by including Orthopaedics. The addition has been well received, with 85 patients registered on the first day. A multi-specialty camp at Bhadran and an Asthma camp at the Petlad centre were organized in March, 2009. A total of around 40,000 patients were seen at these centres during the year.

### **Indoor Services**

During the year, 19633 patients were admitted in various wards of Shree Krishna Hospital. While the general ward charges have been made completely free, there is a plan to offer value-added indoor services, under the omnibus Privilege brand for the hospital's premium services, including two entirely new categories of accommodation; Privilege Silver plus and Privilege Gold Plus. These categories are likely to be introduced soon. In order to minimize the administrative procedures and make them more patient-friendly, the hospital has recruited ward secretaries who ensure smooth admission and discharge procedures. CNE programmes are being conducted regularly for the nursing staff to enhance their skills in order provide quality nursing care. During the year, additional nursing staff was recruited to further improve the nurse to patient ratio for optimal nursing care, which stands today at 278. In keeping with the hospital's plan to apply for NABH Accreditation in the next financial year, the team members are busy with preparation of Standard Operating Procedures and protocols to comply with the NABH standards.

### **Trauma and Emergency Care (TEC)**

Shri Shapurbhai Ishwarbhai Patel Trauma and Emergency Centre is a one of its kind, tertiary level emergency care centre in Anand-Kheda region. The centre, equipped with modern facilities and well-trained and dedicated staff and doctors, caters to more than 12500 emergencies in a year. Nearly 300 emergency cases in a month are brought by EMRI ambulances which include all types of surgical, medical and orthopaedic emergencies. The centre is also equipped with specialised ambulance services like cardiac ambulance to transport critical cases. In order to help the families of patients and to help the patient's relatives in tiding over the initial impact of trauma and shock, services of a counselor have been made available 24x7. The counselors have been instrumental in ensuring that while they take care of other aspects related to admission and counseling of patients, treating doctors focus mainly on the treatment. The

number of emergencies attended represent an increase of 28% compared to the previous year. Of the 12,500 emergencies, 2503 patients were brought to the hospital by the EMRI (108) ambulances. To help the staff of the TEC serve the patients better, a training session of 12 lectures, on topics related to emergency services, were conducted. With a vision to ensure that emergencies are attended to by consultants in minimum turn around time, a furnished residential accommodation has now been made available to those who are on call.

### Operation Theatres

The number of surgeries performed increased by nearly 24% compared to the previous year as shown in the table below. There has been an increase in supra-major surgeries from 104 in the previous year to 143 in the current year. The number of supra-major orthopaedic surgeries has increased from 37 to 53. Additionally, there is an appreciable increase in the number of microvascular surgeries performed by the Department of Orthopaedics.

		Financial Year		
		2007-08	2008-09	% Increase
ENT	Supra Major	48	75	55.30
	Major Surgeries	290	387	33.47
	Minor Surgeries	689	985	43.03
	Total	1027	1447	40.90
Obstetrics & Gynaecology	Supra Major	1	1	0.00
	Major Surgeries	1303	1605	23.15
	Minor Surgeries	331	365	10.25
	Total	1635	1971	20.53
Ophthalmology	Supra Major	0	0	0.00
	Major Surgeries	808	983	21.65
	Minor Surgeries	777	720	-7.29
	Total	1585	1703	7.46
Ortho	Supra Major	37	53	43.49
	Major Surgeries	791	1028	29.94
	Minor Surgeries	692	942	36.19
	Total	1520	2023	33.11
General Surgery	Supra Major	18	16	-10.10
	Major Surgeries	704	895	27.08
	Minor Surgeries	792	975	23.07
	Total	1514	1886	24.54
Trauma Care	Minor Surgeries	1448	1785	23.29
	Total	1448	1785	23.29
Total Surgeries	Supra Major	104	145	39.25
	Major Surgeries	3896	4897	25.70
	Minor Surgeries	4729	5773	22.08
	Total	8729	10815	23.90

The OTs received a cash donation worth Rs. 11 lakhs as well a Four Tried Auto Sonics Cautery Valley Lab worth Rs. 16 Lakhs from a NRI donor. A major camp of Laparoscopic Cholecystectomy was held in which 93 Cholecystectomies were done in 3 weeks. The Department of ENT started Cochlear Implant surgeries during the year, with 7 Cochlear Implant surgeries already performed during the year.

### Critical Care

With the critical care services being supervised independently, the policies and procedures that guide critical care at the Hospital have been standardized uniformly across its four ICUs; medical, surgical, neonatal and paediatric. The Medical ICU admitted a total of 866 patients during the year, a 43% increase compared to the last year while the NICU admitted 455 patients, a 31% increase compared to the last year. The surgical ICU treated 599 patients during the year which was a 16 % increase compared to the last year. The focus in critical care has been to reduce hospital acquired infections. In this context, good practices like regular hand washing are being emphasized in all the ICUs. A culture register is being maintained in the ICUs to record and monitor the infection rates. There has been a significant reduction in the hospital acquired infection rate in the first quarter of 2009, with the rate in the medical ICU, for example, decreasing from 58% to 8%.

The ICUs also benefit from the services of physiotherapists, available round the clock to all patients. In all the ICUs there is an ongoing teaching programme for nursing services. Various administrative and disease specific protocols have been made and are ready for implementation.

At the neonatal ICU, Kangaroo Mother Care for neonates is being pursued aggressively even during ventilation and photo-therapy. The department has been coordinating with paediatricians around the district in facilitating transfer of Neonates to the extent that a team of resident doctors picks up neonates from

these hospitals and transfers critical babies to the NICU. This has greatly reduced the death rate during transfer of critical neonates.

**Radio-diagnosis**

The department saw a significant increase in work load compared to previous years. A total of 68424 investigations were performed. While the time-tested X-rays were close to 48,000, 4360 CT scans and 662 MRIs were performed during the year. The department participated in 5 multi-diagnostic camps one each at Kheda, Kapadvanj, Tarapur, Balasinor and Tribhuvandas Foundation, Anand. 128 patients were examined by Ultrasound in these camps. In an effort to provide better ante-natal services to the women of Ardi, the department has also started Ultrasonography for Antenatal women at Ardi on 3rd Wednesday of every month.

**Central Diagnostic Laboratory**

The laboratory received the certificate of accreditation from NABL in May 2008 for adhering to the international standard ISO 15189:2003. As part of the document review system that has been laid down at the CDL, all the documents of the CDL were reviewed, revised if necessary, and released. These included the Quality Manual, which contains the details of the Quality Management System, the primary sample collection, nearly 280 standard operating procedures and formats. Critical alerts are regularly intimated to the clinical departments. Regular training and evaluation of the non-teaching staff was introduced. During the year, one internal audit and one external audit were conducted. Yet another surveillance assessment was conducted by the NABL on December 13-14, 2008 in order to assess compliance with ISO 15189:2007. This time, the assessors were more stringent than the previous occasion, especially in Biochemistry. The assessors recommended continuation of accreditation, subject to

closure of non-conformances. A total of 23 non-conformances were raised, which were, however, closed within 2 months.

In addition to the above, to continually improve and provide better patient care, various committees of the hospital continued to meet on a monthly basis. These include the Hospital Acquired Infection Control Committee meeting, Laboratory Services meeting, Mortality meeting, Nursing



Committee meeting, Pharmacy Committee meeting and Transfusion Committee meeting.

**Some of the other important developments at the hospital during the year are detailed below:**

What will be another first in the state of Gujarat for a health care organization is the installation of the pneumatic tube system for the transport of blood samples, blood

products and medicines. The installation of the system was completed by the end of the current financial year and it is expected to be fully commissioned during the next year. The system is currently being used for transport of blood samples from the wards and Out-patient Lab Collection Centre to the Central Diagnostic Labs and for sending blood and blood products from the Blood Bank to the Operation Theatres and other locations where these are required. The hospital pharmacy is expected to start servicing medicine requirements of various wards of the hospital using the system by the middle of the next financial year. Where routinely it took up to at least 20-30 minutes, to collect blood from the Blood Bank (even in an emergency), with the new system, it takes a few seconds, to transport blood components to the trauma care centre or labour room. With 10 stations being connected by 598 metres of tubing, installed across the hospital, including the Trauma and Emergency Care Centre, the system is already a blessing when the need for blood is urgent and every second counts, for saving the patient, in terms of reducing the time spent on transport of samples and blood to and from the blood bank. The system is based on the pneumatic transport of blood/samples, inside carriers. The blood samples/bags are put into inserts. The inserts ensure that the samples do not move inside the carrier. These are then placed in a carrier. At the receiving station,

the carrier comes out into a basket which is then collected by the concerned personnel.

The conveying speed of the system is 2.5 - 6.0 m/sec. The obvious advantages of the system, apart from

saving the all important factor of time in critical patients, are reduced expenses in terms of using manpower. Also, as more buildings come up delivering patient care, the pneumatic system will help linking the labs and pharmacy located in the main building with the new structures.

**The AD Gorwala Blood Bank** received its license for component separation in May 2008. Since then the blood bank has completely switched over to components, in keeping with WHO guidelines which state that with the availability of components, there is no indication for administering whole blood. The blood bank collected 4800 units of blood though out the year. Of these, the initial 749 were collected as whole blood (since the license had not been received till then). A total of 6172 units of various blood components were dispatched during the year. Yet another achievement has been the significant increase in the number of collections through voluntary blood donation which had been at 49% at the end of 2007, increased to 88.54% at the end of 2008 and at the end of the financial year the AD Gorwala Blood Bank is close to 99% collections through voluntary blood donation. The number of repeat donors was around 11.5%. With concerted efforts of the staff at the blood bank, it is hoped that this number would rise in the coming years. 61 voluntary blood donation camps, compared to 30 in



the previous year, were organized across the district and 26 on-site motivation programmes, with an overall audience of 2458 participants, were organized to encourage voluntary blood donation. Two programmes 'Sneh Milan' were arranged with organizers of the voluntary blood donation camps to felicitate them, create further awareness and to solicit their support even further, in this activity. Both the meetings were attended by more than 200 individuals and were supported by Gujarat State AIDS Control Society. For the second meeting a documentary film was prepared with messages from doctors on the use of blood and the importance of administering components with messages from the authorities at GSACS.

A skit was also performed by our MBBS students. Perhaps what was most heart-rending was three of our thalassaemic child patients waving out to the audience with the title track of the movie 'Taare Zameen Par' playing in the background.

**The work carried out by the departments involved in patient care is summarised below:**

The **Department of Chest Medicine** continued its activities at Sakarpur near Khambhat, where there are a number of Silicosis patients, who require management of their condition.

The **Department of ENT** performed more than 20 radical cancer surgeries. Of these, 10 surgeries were reconstructions. The Department introduced Endoscopic Dacro Cysto Rhinostomy (DCR) this year and successfully completed 15 endoscopy DCRs. Five cosmetic nasal surgeries (rhinoplasties) were performed. In 3 cases of total laryngectomy, tracheo-oesophageal prosthesis was given. An electronic larynx was given to a patient. One patient was also given thyroplasty Voice Surgery. Treatment for a case of tracheal stenosis is still going on.

The **Department of Forensic Medicine** carried out 298 medicolegal post mortems and investigated 16 cases for sexual offences. The department carried out disability assessment and issued certificates for 26 cases.



The **Department of Medicine's Diabetes Clinic** continued to enroll new members. The clinic attended to 886 patients during the year with 115 new patients. Regular education by a nurse educator is done at the clinic to create general awareness about the disease and its complications. It is also conducting two projects related to "Diabetic Nephropathy" in coordination with Department of Biosciences, Sardar Patel University. The Club provides free Insulin injections to 10 patients regularly. Currently two research projects are also being carried out at the clinic. At the Bhanubhai Patel Dialysis Centre, which the department manages, 977 patients of chronic renal failure and acute renal failure underwent dialysis.

The **Department of Obstetrics and Gynaecology** maintained its focus on community extension activities and was involved in diagnostic camps and training at the Mandal's extension centres. 195 pregnant mothers were registered under the Janani Krupa programme of the hospital, which offers free delivery if registered during the ante-natal period. Of these, 44 women have already delivered.



Department of **Ophthalmology** of Shree Krishna Hospital is now registered with the state-level governing body for Eye bank and Corneal Transplantation purposes. The department celebrated Eye Donation Fortnight



from 25th August to 8th September 2008, where awareness about eye donation was created. During the year, 12 pairs of eyes were donated and so far 9 pairs have been used.

The **Department of Orthopaedics** witnessed an increase in the number of sports injuries and surgeries in the form of Arthroscopy and also Joint Replacements. Industrial accidents were managed on a large scale. An in house training workshop for suturing techniques, sepsis and infection control was carried out.

The **Department of Pharmacology** set up a Clinical Pharmacology Unit (CPU), with a capacity of 4 beds, to conduct studies and research on therapeutic drug monitoring. The Unit would enable training of doctors (both undergraduate and postgraduate) in safe, rational and efficacious use of medicines. It is equipped with six instruments to test psychomotor functions in human beings. In keeping with the plans of the hospital to go in for accreditation by NABH, the department has been developing standard treatment guidelines in collaboration with clinical departments.

In addition to its routine activities, the Department of Psychiatry started conducting new tests for IQ,

Personality testing and Disability-rating scales at reasonable costs.

The **Department of Skin and Venereal diseases** is responsible for counseling patients of leprosy and their relatives regarding the nature of disease. It also advises regarding care that should be taken to prevent deformities and treatment of deformities. The department runs a free Sexually Transmitted Infections Clinic which is supported by the National AIDS Control Organisation (NACO). Patients are counseled here, given free investigations and treatment for all sexually transmitted infections. Spouse counseling and treatment is also undertaken to prevent spread of Sexually Transmitted Infections and HIV in the society.

The **Department of Surgery's Endoscopy Unit** offers exclusive diagnostic/therapeutic facilities in the form of Oesophagoscopy, Gastroscopy, Duodenoscopy, colonoscopy, sigmoidoscopy and Cysto-urethroscopy. These facilities have resulted in early diagnosis and treatment of many cancer patients. Therapeutic Endoscopy is routinely performed for procedures like ERCP, Esophageal varices sclerotherapy, esophageal dilatation, Polypectomy, Pyloric dilatation, esophageal stenting, PTC, PTBD etc. Superspeciality services like those of neurosurgeons, pediatric surgeon, onco-surgeons and vascular surgeons are now available for patients, round the clock making the trauma care a comprehensive care centre.



The steady growth in the number of patients reporting to the KM Patel Institute of Physiotherapy continued along with domiciliary services and in-patient admission. A total of 29534 outdoor patients were treated while as many as 10984 indoor patients were given physiotherapy. Around 186 patients were received for EMG/NCS. During the year, the institute started a 24-hour service for all the ICUs. This has resulted in much better patient care especially at the Bhanubhai & Madhuben Patel Cardiac Centre and the Surgical ICU. The department has made plans to start separate fitness clinics for different segments of population like Geriatrics, Obesity and Ante-natal / post-natal patients and would follow it through in the next year. The Prosthetic and Orthotic clinic of the Institute continued to do well and has seen a steady increase in patient attendance. The Institute has procured a state of the art Electrotherapy equipment which will give a range of electric stimulation and Ultrasonic treatment and can be used for various combination therapies. Yet another addition was a Perineometer which is useful for assessment and rehabilitation of post-natal women and incontinent females.

The Institute has started a new out-patient service at the premises of the Rajchandra Ashram at Agas which will serve both the inmates of the Ashram as well as people in and around the village. The Institute organized a camp at Agas in November, 2008. The Institute also runs a similar out-patient service at the Hospital's Petlad Centre.

#### **Manibhai Shivabhai Patel Cancer Centre**

The consultants at MS Patel Cancer Centre ensure that it continues to stay abreast with the world's emerging knowledge base and pass on the benefit to the cancer patients of this region, their families and those at risk of cancer. This year, the consultants focused on organizing support group meetings throughout the year. During the year, there were 793 new registrations. 348 patients were given Radiation Therapy, 204 were given chemotherapy and 60 patients were given brachytherapy. To mark the

4th anniversary of the Cancer Centre a meeting, 'New Hope New Dreams' was organized on 27th August 2008 at Sardar Patel Memorial Hall, Karamsad. This year's programme, based on the theme, "Critical Appraisal of Late Side effects of Treatment and Precautions to be Taken for Cancer", with an emphasis on creation of social awareness/groups and mass education campaigns, was attended by 450 participants. What is unique about this programme is the fact that patients who have been treated, cancer survivors, share their own experience of having survived the deadly disease and provide hope and support to patients who are still on treatment. In fact, the stories of these patients give hope but also make us, the medical fraternity, even more determined to fight cancer. A Head and Neck Cancer Support Group Meet was organised on 29th November 2008 at MS Patel Cancer Centre followed by the Breast Cancer Support Group Meet on 27th December 2008 which was attended by 25 participants. The Gynaecology Support Group Meet was held on 31st January 2009 and was attended by 30 participants. Lymphoma and Leukemia Support Group Meet was held on 28th February 2009, which was attended by 30 participants. In all these meetings while patients provided each other support, the doctors tried to address issues related to rehabilitation, diet etc. Yet another initiative was 'power yoga' for cancer patients in order help the patients cope with the disease better.

#### **Bhanubhai & Madhuben Patel Cardiac Centre**

The Centre offers complete Diagnostic Cardiac Care in terms of ECG, TMT, Holter Monitoring and Echocardiography and is equipped to handle closed and open-heart surgeries for adults and children in addition to coronary angiography, angioplasty with stenting, valvuloplasty and other therapeutic cath-lab Interventions. While most cardiac centres thrive on cardio-vascular diseases in the adult age group, the Paediatric Cardiology and Paediatric Cardiac Surgical work that is being

carried out at the centre, is one of its kind not just in Gujarat but in the entire Western and Central part of India. The Centre has a modern post-operative Cardiac ICU which is well-equipped for carrying out invasive and non-invasive monitoring and ventilation, cardiac pacing, bedside Echocardiogram, arterial blood gas analysis led by a team of dedicated and highly skilled specialists. The Centre is backed by technologically advanced and modern imaging facilities, Central Diagnostic Laboratory and the AD Gorwala Blood Bank of the Shree Krishna Hospital, which provide services round the clock.

In the four months since its inception, the Centre performed 30 surgeries including complex Paediatric surgeries like Arterial Switch Operation (ASO), TAPVC Repair, Completion Fontan Procedure and adult surgeries like CABGs, valve replacement etc. About 170 cardiac interventional procedures were also performed.

The Centre organised a cardiac check-up and diagnostic camp in October 2008 at subsidized rates, where a total of 132 patients participated. This was followed by a second one-week cardiac check-up and diagnostic camp in December 2008, in which 120 patients availed services. 8 cath-lab procedures were performed and 10 patients were advised open heart surgeries.

The Centre also plans to conduct awareness and educational programmes for different sections of society and for doctors. As a part of this process, a Paediatric Cardiac CME in association with Department of Paediatrics was held.

In keeping with our Founder Chairman's motto of providing solace to the suffering, the Centre has been focusing on raising funds, especially for patients of the paediatric age group. The Centre has launched a unique programme "Nurturing Life" and set up a Corpus Fund, "The Hole in the Heart Fund".

The interest from the funds collected in the Corpus Fund would be used to treat poor children with Congenital Heart Diseases.

The centre plans to start a Homograft Valve Bank in the future. The bank will preserve homograft valves to be used for patients requiring valve surgeries. The mechanical valves presently used are expensive. With homograft, the cost of the surgery can be brought down. It is also planned to start Heart Transplant Surgery at the centre in the near future with the support of Dr. KM Cheria, who is a pioneer in the field.

#### **Savitaben and Hirubhai Patel Student Activity Centre**

Yoga classes for Cancer patients started in December 2008 at the MS Patel Cancer Centre under which Yoga and relaxation sessions for the patients of the Cancer Centre



were organised twice a week. The Activity Centre contributes in patient care of Shree Krishna Hospital programme through such programmes. The programme is based on available evidence of such training for cancer survivors. A Corporate Fitness Programme was organised in January 2009 at Vidya Dairy, Anand. Lecture cum demonstration sessions on health, fitness and nutrition for employees of Vidya Dairy were undertaken. Practical sessions of group exercise were conducted by the staff of the Activity Centre. The Centre hopes to organize more such programmes in the future.

**Krupa Arogya Suraksha**

The social security scheme – Krupa established in August 2003 in collaboration with Shree Krishna Arogya Trust, attained a total membership base of 42994 as on 31st March 2009. The scheme enrolled 27080 new members during the period and ensured more than 50% renewals. Under the option for the



enrollment of school/college going youth, Krupa enrolled more than 6500 students of Anand Municipal Schools with the support of the President, Anand Municipal Corporation. More than 34000 members took the benefit of outdoor services and 3285 patients availed of the in-patient care at Shree Krishna Hospital during the period. The hospital incurred a total expense of Rs. 40.33 Lakhs on these patients.

The Mandal received a donation of Rs 4 lakhs from Smt. Kusumben Patel, an NRI, based at London for the purchase of a Van. The vehicle is used to promote Krupa among the rural poor community. Krupa team visits different villages every Friday with the help of the van along with a doctor and medicines. While the doctor provides treatment for common ailments, the Field Coordinators of Krupa visit each household to educate them about the benefits of enrolling in Krupa.

The Krupa team also collects donations to support BPL families seeking membership of the scheme by subsidizing the membership amount. During the year, Krupa received a sum of Rs 2,51,000/- from individuals and organizations.

**Cancer Krupa**

‘Cancer Krupa’ was announced on 27th August 2008 on the occasion of “New Hope New Dreams Meet” for cancer survivors, to extend the social security scheme even for fatal diseases like Cancer. This would enable members to cover the risk of funding treatment of cancer, which is quite expensive. Under this scheme, a healthy couple can subscribe for the scheme on the payment of only Rs.2400. With this amount, the members

become eligible to avail treatment up to an amount of Rs.75,000 which includes early detection and investigation related charges.

In addition to its own programmes, the Mandal’s institutions are also engaged in patient care programmes for which it has collaborated with the Government. These are:

**Chiranjivi Scheme**

The Mandal was recognized for its work in reducing perinatal morbidity and mortality with the award of a Certificate of Appreciation for the exemplary work carried out under the Chiranjivi scheme during the year 2007-08 by the Department of Health & Family Welfare, Government of Gujarat. During the year, 328 mothers were treated under the scheme, an increase of 13% over the previous year. Of these, 167 had normal deliveries and 161 caesarean sections were performed. The Mandal’s Shree Krishna Hospital has extended all its treatment



facilities ranging from Medical ICU to Neonatal ICU services to all those who need it, under the scheme, irrespective of the cost of the treatment. The treatment cost of Chiranjivi beneficiaries varied from Rs. 2000 to more than Rs 2 lakh per beneficiary, with an average expense of Rs. 7193, against the reimbursement of Rs 1545 from the Government of Gujarat. The hospital spent about Rs. 24 lakhs and received Rs.5 lakhs as a re-imburement, thereby incurring a deficit of Rs.19 lakhs.

#### **Integrated Counselling and Testing Centre**

The Centre, which is supported by the Gujarat State AIDS Control Organization, registered 4347 patients. Of these, 131 cases were found to be HIV positive. 1899 tests were performed on pregnant women as a part of the 'Prevention of Parent-To-Child Transmission' (PPTCT) programme, while 2448 tests were performed by the 'Voluntary Counselling and Testing Centre' (VCTC). All the patients were given pre-test and post-test counselling in accordance with the guidelines laid down by the National Aids Control Organization.

#### **Revised National Tuberculosis Control Programme**

During the year, 1149 patients were registered

and underwent sputum diagnosis. There were 322 sputum positive cases, 94 sputum negative but X-Ray positive cases and 162 cases of extra pulmonary tuberculosis. All were given treatment under the Government's DOTS (Directly Observed Treatment, Short course chemotherapy) programme.

#### **Sexually Transmitted Diseases Clinic**

Compared to 90 patients the previous year, 558 patients were treated and diagnosed free of cost under the Clinic, which is supported by the National AIDS Control Organization, during the year. Of these, 88 were males and 470 were females.

#### **108 Ambulance Service**

The Mandal's collaboration with the Government of Gujarat on its new initiative under the National Rural Health Mission -the 108 ambulance service is perhaps the most important one. Patients brought to the hospital in the 108 ambulance are given primary treatment irrespective of their economic condition. In the current year, 2503 patients were brought to the hospital through this service, which was an increase of 30% compared to the previous year. On an average, 210 such patients are treated in a month. During the year, Rs. 18 lakhs were spent on providing free or concessional services to those who could not afford the treatment.

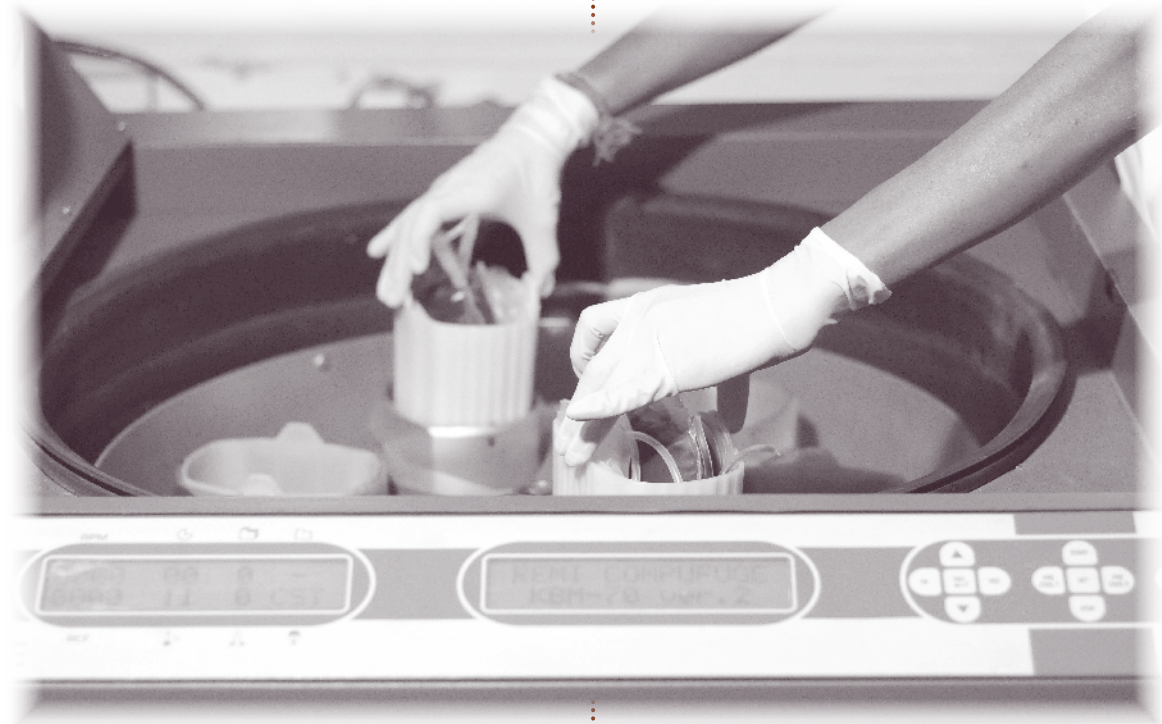
## *New Equipments and Facilities At A Glance*

### **Department of Anaesthesia**

Anaesthesia machine (ELITE – 615 ) - L & T with ventilator – useful in long surgeries having PEEP, especially neurosurgeries, where the ventilation rate being constant helps to control ETCO<sub>2</sub> better. It also has facility to give medical quality air on its flow meter block, useful in neonates and polytrauma patients.

### **Central Diagnostic Laboratory & AD Gorwala Blood Bank**

A fully-automated Biochemistry analyzer was placed at the Biochemistry Lab, which has contributed towards better accuracy and reducing turn around time for investigations. A chemiluminescence-based equipment was



also placed at the Biochemistry lab, which enables accurate measurement of a variety of hormones, tumor markers, vitamins and drug assays.

Immunohistochemistry for ER, PR and c-erb B2 was started. These markers are useful for

the management of breast cancer patients.

Three teaching microscopes with dual heads were purchased for teaching post-graduates.

A fluorescence microscope and an embedding station were acquired for the surgical pathology lab.

A laminar air flow bench was purchased at the Microbiology lab.

A -40 0 C deep freezer was purchased for storage of fresh frozen plasma at the Blood Bank.

### **KM Patel Institute of Physiotherapy**

Outdoor services were started at Agas Ashram.

A New electrotherapy equipment for COMBO treatment and a Perineometer has been purchased for diagnostic/research purpose.

### **Medicine**

Two ventilators were added to the MICU.

### **Obstetrics and Gynaecology**

Manual vacuum aspiration facility was procured by the department.

Partial exchange blood transfusion facility for early recovery of very severe anemia cases was introduced

### **Ophthalmology**

A Phaco-emulsification equipment was added.

### **Paediatrics**

Two Bubble Continuous Positive Airway Pressure machines were installed in the NICU for early non-invasive ventilation in the NICU to help reduce early respiratory distress without the use of invasive ventilation.

Neo-puff (T Piece resuscitator) was acquired

### **Preventive and Social Medicine**

Normal delivery facility at Ardi was made available. USG facility has been also made available on a monthly basis.

Reproductive and Child Health care was started at Petlad, RHTC.

Two more Satellite Centres near Ardi are functional at Vatav and Bisnoli, where Reproductive and Child Health care is being provided.



for administration of delivery room CPAP. The instrument can also be used to transport neonatal patients over long distances.

Two additional Photo-therapy machines were installed in the NICU. Four Radiant Warmers were also replaced.

### **Pharmacology**

Computerized multi-channel poly-write for human and animal cardiovascular and respiratory system experiments were purchased.

HPLC for assessment of various drug levels in the body was added.

### **Psychiatry**

A Computerized, 32-channel EEG machine was installed.

A new sensitive Brief Pulse ECT machine has been acquired.

### **Skin and Venereal Diseases**

PUVA chamber with narrow band UVB has been installed for the treatment of patients of vitiligo, psoriasis, photo-dermatitis and many other dermatoses.

Micro-dermabrader, which is a skin polishing machine, was added.

## Community Extension

*We would deliver to the community, especially in the villages, need-based health programmes that lead to improvement in the health standards of all and also contribute to national health care policies and practices, and doing so by networking with other institutions having similar mission.*

*Consistent with the task we have set for ourselves, we focus on the following aspects of community extension:*

- 1. Ensuring that we envision and implement programmes that are based on the needs of the community,*
- 2. That the programmes are implemented in a manner that can be used as an example by other agencies and organizations, and*
- 3. Look for organizations, including the Government, to collaborate with, so that the delivery of our extension programmes improves.*

The Mandal's flagship Cancer Awareness, Education and Early Detection Programme is a major initiative undertaken to create awareness on the advantages of early detection of cancer and thereby downstage the incidence of cancer in the villages of Anand and Kheda districts. There are however, other extension activities as well with which the Mandal is associated. A brief progress report of the Mandal's extension activities, carried out through its Department of Extension Programmes, follows:

### **Cancer Awareness, Early Detection and Treatment Programme**

The Mandal in collaboration with the Tribhuvandas Foundation has

been extending its reach to more than 500 villages for its unique Cancer Awareness, Early Detection and Treatment Programme. To catch the deadly disease early, cancer detection camps were organized in June, 2008 at the following centres of the Foundation including one of the villages covered under the extension project. A large number of these patients were referred to Shree Krishna Hospital for further work up.

Sr. No.	Place	Patients seen	Patients referred to SKH
1	Anand TF centre	61	34
2	Balasinor TF Centre	72	32
3	Kapadvanj TF Centre	280	64
4	Tarapur TF Centre	160	45
5	Kheda TF Centre	179	71
6	Rahtalav	39	0

Every Thursday has been earmarked as the cancer detection day at Shree Krishna Hospital. All patients with suspected cancer are referred by the VHWs of the Foundation to Shree Krishna Hospital for further diagnosis, to visit the hospital on Thursday. These patients are given concessions for further work up. During the year, over 5,000 such patients were referred by the VHWs to Shree Krishna Hospital and were attended to in various departments for further work up. Of the total patients referred by the VHWs more than 150 cases were found to be positive at Shree Krishna Hospital.





The rate of tobacco related cancers in the young population, being especially high in the region, two educational programmes were organized in the urban slums and one programme was organized at ADIT engineering college, to educate the youth about the hazardous effects of tobacco.

### **Tobacco Cessation Clinic**

During the year 400 addicts were enrolled with the Tobacco Cessation Clinic out of which 293 persons were found to be having smokeless habits, 80 persons had smoking habits and 27 persons were consuming tobacco in both the forms. Those enrolled were counseled and provided a placebo to encourage them to stop the usage of tobacco in any form. At the end of the year, it was observed that there were 15 persons stopped consuming tobacco in any form.

### **Objectives of the Tobacco Cessation Clinic**

1. To spread awareness about the hazards of tobacco among the community, industrial workers and college / school children.
2. To detect tobacco related disorders.
3. To provide counseling and necessary treatment for de-addiction.

To educate the community about the harmful effects of tobacco, education and awareness, programmes were organized in 6 villages. Awareness and screening camps were also organised in industries with the help of Departments of ENT and Psychiatry. The screening programme involved clinical examination of mouth followed by counseling. All the suspected cases of cancer were referred to the hospital for further workup.

### **Mandal's Pilot Project for Primary Health**

The Mandal initiated work on its pilot project to experiment with a more sustainable model of primary health in about 25 villages of Anand district through the Department of Extension Programmes. The pilot seeks to explore an alternative to existing models which have a very high cost of supervision and low remuneration for those working in the villages.



Under the Mandal's pilot, Village Health Workers working in the villages, called Arogya Sahyoginis, are trained in diverse activities that impact on primary health and have the potential to earn a reasonable remuneration for them. During the year, all Arogya Sahayoginis were given such training. The activities of Arogya Sahyoginis include home visits, cancer awareness programmes, running a primary health clinic and referring patients for further treatment to Shree Krishna Hospital. A summary of these activities is as follows:

No. of Home Visits	1730		
Total no. of people visited during home visits	3989		
No. of patients who attended Primary Health Clinics	10422		
Amount generated from sale of medicine	Rs.58581		
	Male	Female	Children
Attendees at cancer awareness programmes	10802	15026	6253
No. of cancer suspects referred to Shree Krishna Hospital	282	529	811
No of general patients referred to Shree Krishna Hospital	439	704	1143

### **Multi-diagnostic Camps**

For the larger benefits of the community, multi-diagnostic camps were organized in different parts of Anand with the support of the Anand Municipality. Multi-diagnostic camps were organized at the centre with the objective to introduce to the local community the services of the newly initiated Bhadran Extension Centre. Six such camps were organized during the year.

**Red Ribbon Club**

The Mandal has signed an MOU to implement Red Ribbon Club (RRC) activities among 35 Colleges of Sardar Patel University with the Gujarat State AIDS Control Society,



Ahmedabad (GSACS). The Red Ribbon clubs aim at instilling among all the students in educational institutions values of service, develop healthy life styles, and increase access to safe and adequate quantities of blood to all who need it, by promotion of regular voluntary blood donation.

Apart from this, RRC also aims at harnessing the potential of the youth by providing them with correct information on mental health, substance abuse, nutrition and reproductive health and building their capacities as peer educators.

To initiate the activities under RRC, as per the guidelines provided by GSACS, the Department of Extension programmes organized various training programmes.

**Silicosis clinic at Shakarpur – A new initiative**

With a view to documenting evidence of serious morbidity and mortality among agate stone polishing workers of Shakarpur of Khambhat city, an occupational health clinic was launched on 6th June 2007 by a combined team comprising of staff from Community Medicine, TB & Chest department of Pramukhswami Medical College. The Peoples Training and Research Centre(PTRC), Vadodara, an NGO working for the rights of workers, made available their premises at Shakarpur and staff to run the clinic. Chest



physicians visit the clinic every week and examine patients with severe respiratory morbidity from various places. The PTRC volunteers look for suspected patients of silicosis, silicosis tuberculosis and other chronic debilitating respiratory conditions in the area and invite them to attend the clinic. Unambulatory patients are visited by the doctors at their homes. Essential and life saving drugs have been provided by Shree Krishna Hospital, free of cost. Patients who attend the clinic for other health problems are charged Rs. 5 for consultation. Till March 2009, More than fourteen hundred new patients have benefited from the clinic, out of which more than 150 cases were sent for free chest X-ray at Cardiac Care Centre, Khambhat, courtesy Lions Club of Khambhat. X-rays are reported by radiologists and Chest physicians of PSMC, followed by compilation of lists of silicosis positive cases at the CRS. Periodically these lists are submitted to PTRC for the purposes of assisting the victims in compensation claims. Till March 2009, CRS submitted lists of a total 80 positive cases. Since June 2007, the clinic has reported twenty deaths possibly due to silicosis and its associated co-morbidities. The actual number in the community is reportedly much higher.



## Research

*Conduct innovative and interdisciplinary research relevant to the community striving always to improving health standards and practices.*

*In line with the above, the Mandal has been making efforts not only to encourage its faculty to undertake research, but also inculcate the spirit of research amongst its students.*

### Central Research Services

Over the past few years, while a substantial amount of progress has been made in medical education and patient care, research has been recognized as an area where there is still a long way to go. Having recognized this, the faculty itself has been expressing the need for professional support in conducting research within the institution. The Charutar Arogya Mandal Medical Research Society has been approving proposals and has been operating as an in-house funding agency for medical research over the years. Every department has been making its own contribution in promoting contextual and need based research work in the field of health and medical care. There has, however, been a lack of organized support especially in terms of capacity building, project implementation and evaluation as also funding. In order to provide such support under the aegis of the Charutar Arogya Mandal (CAM) not only as a charitable

trust engaged in health care and medical education, but also as a research promotion body, a group, 'Central Research Services' (CRS) was established. Sufficient dedicated staff has been recruited/relocated to the new group for smooth functioning and fulfilling the objectives set out.

The idea was mooted after the workshop conducted on research methods in March 2008 when the participating faculty expressed the need for such a body. The 'concept note' and the 'vision and mission statement' were developed subsequently and the formal proposal for CRS was presented and approved during the Retreat in January 2009. The CRS started functioning immediately thereafter and is in the process of finalizing the protocols for the thrust areas viz. Capacity building, Project development, Evaluation and monitoring and communication.

During the year, the following research projects were completed by various department:

### Central Research Services

- "Chikki Project", a nutritional supplementation programme for rural women from Anand district attending antenatal clinic at Shree Krishna Hospital, Karamsad. a report on the same has been submitted to Charutar Arogya Mandal, Karamsad.
- "Clinical Profile of Symptomatic Silicosis Patients".
- A report on the same has been written down but has not yet been sent for publication.
- Gave feedback to CAM on the report submitted by United Survey Research Organization, Vadodara on the 'Cancer Awareness Project' funded Sir Ratan TATA Trust.
- The CRS is also engaged in doing several research projects related to epidemiology and survival of patients at Shakarpur, duly approved by the Human Research Ethics Committee.



### Forensic Medicine

- “Forensic Histopathology: Bane or a Boon?” by Principle Investigator: Dr. CB Jani; Co-Investigators: Sanjay Gupta, Monica Gupta, Keyuri Patel, Menka Shah

### Medicine

- “Effect of Educational Intervention on Accuracy of Death Certificates in a Teaching Hospital” by Dr. Himanshu Pandya, Dr. Neeta Bose and Dr. Nayanjeet Chaudhury, Dr. Ripal Shah and Mr. Ajay Phatak

### Obstetrics and Gynecology

- “Sentinel Survey For HIV Prevalence Among Antenatal Women – Unlinked Anonymous”  
This survey is undertaken by Obstetrics and Gynaecology and Microbiology departments together. The project is being supported by Gujarat State Aids Control Society of National Aids Control Organisation.

### Paediatrics

- “Known Risk Factors For Life Style Diseases Among Adolescents” by Principal Investigator: Dr. Nikhil Kharod; Co-Investigators: Dr. Dipen Patel and Dr. Keshar Gadhavi. This project is a part of a multi-centric study being coordinated by the Child Development Centre and University of Kerala, Thiruvanthapuram and was completed in five months.
- “Correlation of Risk Score on Admission to PICU to Parental/Guardian Understanding of the Prognosis of the Patient” by Dr. Somashekar Nimbalkar and Dr. Dipen Patel

### Pharmacology

- “Assessment of Knowledge on Bioethics in Medical Students and Teaching Staffs and Their Perception of Bioethics as a Subject” by Dr. Barna Ganguly. This was a six months project supported Indian council for Medical Research.

### Physiology

- “Association of Physical Activity

Status with Blood Pressure in Gujarati Adolescents” by Principal Investigator: |Mr. Ayush P Motwani; Co-investigator: Dr. SK Singh

- “Association of Fat Mass Index with Blood Pressure in Gujarati Adolescents” by Principal Investigator: Ms. Aditi Chhonkar; Co-investigator: Dr. Wasim A.Shaikh

### Skin and Venereal Diseases

- “Skin Diseases in School Going Children” by Dr. Rita Vora.

### During the year, the following research activities were initiated or were ongoing:

#### Anaesthesiology

- “A Study of Patient Controlled Epidural Fentanyl V/S Continuous Epidural Fentanyl Infusion For Post-Operative Analgesia” by Dr. Hemlata Kamat, Dr. Neeta Bose

#### Anatomy

- “A Study of Motor Columns of Human Fetal Spinal Cord ” by Dr. Rohini V Routal
- “Developmental Study of Nucleus Ambiguus” by Dr. Rohini V Routal

#### Central Research Services

- A project on simplifying statistics for medical undergraduates has been undertaken by Ms. Jaishree Ganjiwale.
- A school health project to assess the problem of malnutrition in school going children. In the first phase, children from 4 rural schools were screened for malnutrition. The results indicated high prevalence of under-nutrition in school going children emphasizing the need to investigate the determinants of undernutrition to develop a sustainable solution.
- A body composition survey of newly detected diabetic patients visiting diabetic clinic at the Hospital.
- Tele-medicine case series study in Balasinor.

- Started ground work for an obesity clinic in collaboration with medicine department with a view to conducting intervention trials on obesity.

#### **ENT**

- “Patterns of Care and Survival Studies – Head and Neck Cancers” by Dr. Girish Mishra

#### **Forensic Medicine**

- “Diatoms” by Dr. C. B. Jani
- “Retrospective Study of RTA Cases” by Dr. Sanjay Gupta

#### **Medicine**

- “Parallel Clinical Evaluation of Patients According to Principles of Modern Medicine, Ayurveda and Homeopathy” by Dr. Bhalendu Vaishnav, Dr. Sanket Sheth, Dr. S.N.Gupta, Dr. Jagruti Bhatt, Dr. Pankaj Trivedi

#### **Microbiology**

- “Study on Extended Spectrum B-Lactamase” (Ph.D. Project) by Dr. Suman Singh, Dr. Sunil Trivedi and Dr. HH Agravat.
- “Drug Resistance Among Tuberculosis Patients” (Ph.D. Project) by Dr. Sunil Trivedi, Mrs. Mudita Paliwal and Dr. H H Agravat.
- “Microbiology and Epidemiology Study of Pseudomonas Aeruginosa with Special Emphasis on Nosocomial Infections” (Ph.D. Project) by Dr. Yagnesh Pandya, Dr. Sunil Trivedi and Dr. H H Agravat.
- “Seroprevalence Study For Human Brucellosis” (In collaboration with Indian Immunological Ltd. Hyderabad) by Dr. Sunil Trivedi, Dr. Suman Singh and Dr. F. Mukharjee.

#### **Obstetrics and Gynecology**

- “A Prospective Study of Effect of Color Doppler in Prediction of Fetal Outcome in High Risk Pregnancy” by Principal Investigator: Dr. Smruti Vaishnav, and Co-Investigators: Dr. Nipa Modi and Dr. Swati Patel.

#### **Paediatrics**

- “Determine the Co-Relation of the Number of Hours of Kangaroo Mother Care Received in the Hospital to the Daily Duration of Kangaroo Mother Care Received At Home.” by Dr. Kesar Gadhavi, Dr. Somashekhar Nimbalkar, Dr. Archana Nimbalkar, Miss Wasea
- “Screening For Post Partum Maternal Depression.” by Dr. Kesar Gadhavi, Dr. Somashekhar Nimbalkar, Dr. Shashi Vani, Miss Himadri, Dr. Nitin Raithata
- “Kangaroo Mother Care (KMC) - Utility and Feasibility For Home Based Newborn Care in Rural Areas.” by Dr. Somashekhar Nimbalkar, Dr. Nikhil Kharod, Dr. Sunil Daru, Dr. Nayanjeet Chaudhary
- “Community Based Kangaroo Mother Care For Low Birth Weight Babies Delivered At Home a Pilot Study” by Dr. Shashi Vani, Dr. Nikhil Kharod, Dr. Somashekhar Nimbalkar
- “Kangaroo Mother Care in Decreasing Pain in Preterm Neonates on Heel Prick” by Dr. Somashekhar Nimbalkar, Dr. Neha Chaudhary
- “Effect of Kangaroo Mother Care on Preterm Babies on Continuous Positive Airway Pressure” by Dr. Somashekhar Nimbalkar, Dr. Rahul Tandon

#### **Physiology**

- “Life Style, Body Composition and Cardiovascular Profile in Gujarati Adolescent Population (Ph. D. Project)” by Dr. Wasim A. Shaikh and Dr. SK Singh
- “Association of Body Fat Percentage and Blood Glucose Level in the Gujarati Ethnic Adolescents (Ph. D. Project)” by Dr. Minal Patel and Dr. SK Singh
- “Blood Pressure Profile of Gujarati Ethnic School Going Children and Adolescents (Ph. D. Project)” by Dr. Vivek Verma and Dr. SK Singh

#### **Preventive and Social Medicine**

- “Health Seeking Behavior and Reasons For Delay in Diagnosis of Tuberculosis Patients” by Principal Investigator:



Dr. Donald Christian; Co-Investigators:  
Dr. S Mukherjee, Dr. Uday Shankar Singh  
and Dr. Deepak Sharma.

### Psychiatry

- “A Study of Prevalence and Risk Factors of Delirium in Referred Patients From Various Departments of SKH” by Principal Investigator: Dr. Himanshu Sharma and Co-Investigator: Dr. Nimisha Desai

### TB and Chest

- “Pulmonary Function in Silicosis Patient” by Dr. Rajiv Paliwal

### Human Research Ethics Committee (HREC)

During the year the HREC held 4 full-committee meetings and 1 sub-committee meeting (Sub-committee of HREC has been constituted for reviewing the projects related to postgraduate dissertation work for smooth functioning of HREC) and reviewed 107 proposals. So far 25 such meetings have been held since the inception of the Committee.

Of the 107 proposals, 68 proposals were related to Post Graduate dissertation work of Medical, Physiotherapy and MSc. MLT courses, 34 proposals were research projects (including 2 clinical trials) taken up by faculty members. There was an interim expedited review session of 5 proposals related to short term studentship research projects for undergraduate students funded by the ICMR.

In order to streamline the methodology of the projects two members of CRS, were invited as members of the subcommittee of HREC for review of dissertation proposals by PG students. 33 new proposals were reviewed for

HREC and the investigators were assisted in modifying the proposals.

The following projects were approved by the Human Research Ethics Committee:

### Obstetrics and Gynaecology

- “Study Clinical Profile of Indian Polycystic Ovarian Syndrome in Women attending the Gynaecology Opd at Shree Krishna Hospital, Karamsad” by Dr. Maitri Patel, Dr. S.B. Vaishnav, Dr. Chetna Vyas and Dr. Nipa Modi.

### Paediatrics

- “Prevalence and Classification of Epilepsy Among Hospital Patients” by Principal investigator: Dr. Lopa Dalal; Co-Investigators: Dr. Vijay & Dr. Devarshi

### Physiology

- “Effect of Undergraduate Medical Students’ Seminars on Learning” by Dr. Vivek Verma, Dr. Hasmukh Shah, Dr. Minal C. Patel, Dr. Wasim A. Shaikh and Dr. SK Singh.

### Preventive and Social Medicine

- “Acquiring Knowledge, Develop Understanding of Village Life and Health Care Practices Students During a Village Stay Program in a Medical College” by Dr. Uday Shankar Singh, Dr. Dinesh Bhandari, Dr. Nayanjeet Chaudhuri, Dr. Tushar Patel, Dr. Deepak Sharma and Ms. Jaishree Ganjiwale.
- “A Profile of Road Traffic Injury Victims, Injury Impacts and Outcome; in Anand Taluka” by Dr. Deepak Sharma and Dr. Uday Shankar Singh.

### Ongoing Projects

#### Anatomy

- “Introduction of Case Based Learning For Teaching Anatomy in a Conventional Medical School” by Dr. Praveen R Singh.
- “Dermatoglyphics in Rheumatic Heart Disease” by Dr. Praveen R Singh.

#### Dentistry

- “Epidemiology of Dental Problems At Agas” by Dr. Nikita Goyal

**ENT**

- “Role of O.A.E in Early Detection of Hearing Loss in Children of Age Less Than 2 Years” by Dr. Girish Mishra and Dr. Yojana Sharma
- “Tobacco Cessation Clinic” by Dr. Girish Mishra

**Ophthalmology**

- “Efficacy & Safety of Topical Chloroquine (0.03%) in Patients with Dry Eye Syndrome”  
Principal Investigator: Mrs Ankita Bhavsar;  
Co Investigator Dr. SG Bhavsar; Phd Guide:  
Dr. Sunita Jain (LM College of Pharmacy)

**Pathology**

- “Review of Autopsy Findings to Establish Presence of Coronary Atherosclerosis At Shree Krishna Hospital, Karamsad – a Post Mortem Study in 2008” by Principal Investigator: Dr. Keyuri Patel; Co-Investigators: Dr. Menka Shah, Dr. Sanjay



Chaudhari, Dr. Neena Doshi and Dr. Munira Jhabuwala

- “Study of Haematological Parameters in Malaria in 2008” by Principal Investigator: Dr. Sanjay Chaudhari; Co-Investigators: Dr. Keyuri Patel, Dr. Neena Doshi, Dr. Trupti Joshi and Dr. Menka Shah
- “Baseline Cd4+T Cell Counts in India Population” by Principal Investigator: Dr. Monica Gupta; Co-Investigators: Dr. Neena Doshi, Dr. Faruq Mulla, Dr. Menka Shah and Dr. Sunil Trivedi
- “Comparison of the Utility and the Role of Frozen Section and Cytological Evaluation in the Intra- Operative Management of Head and Neck and Breast Lesions” by Principal Investigator: Dr. Monica Gupta; Co-Investigators: Dr. Neena Doshi, Dr. Kirti Rathod, Dr. Menka Shah, Dr. S Shrivastav, Dr. Vipul Yagnik, Dr. Jignesh Rathod and Dr. Hiren Soni

**Pharmacology**

- “Evaluation of Impact of Oral Phenylpropanolamine and Related Agents on Blood Pressure in Our Population” by Dr. Anuradha Joshi and Dr. Bharat Gajjar.
- “Study of Antibiotic Drugs Utilization Pattern in Patients Admitted to Medical and Surgical ICCUs of Shree Krishna Hospital, Karamsad” (Under the aegis of Hospital Pharmacy Committee) by Dr. BR Sainath Iyer, Dr. Bharat Gajjar, Dr. Nazima Mirza and Dr. Nilesh Patel
- “A Study of Utilization of, Traditional, Complementary and Alternative Medicine in Shree Krishna Hospital and Medical Research Centre” by Dr. Alpa Gor, Dr. Nazima Mirza and Dr. BR Sainath Iyer

**Radio Diagnosis**

- “Role of Proton<sup>(H1)</sup> Spectroscopy & T2 Relaxometry in Neuro-Imaging” by Principal Investigator: Dr. Deepak K Mehta; Co-Investigators: Dr. C Raychaudhari, Dr. Diva S Shah, Dr. Viral B Patel, Dr. Parul J Thakkar, Dr. Mihir P Dave.

## Support Services

*We would work towards a work culture that promotes a sense of belonging and accountability, leading to overall growth and development, both of individuals and the institution, maximizing job satisfaction through job enrichment.*

*Much of the employee satisfaction and job enrichment depends on the efforts of the Support Groups. To achieve these objectives, the support services groups strive to:*

- 1. Ensure that the departments carrying out line functions are supported with optimum response time,*
- 2. That their services are recognized as staff-friendly, and*
- 3. That avenues and opportunities are created to enhance a sense of ownership among employees.*

**T**he major activities of the Support Services Groups during the year were:

### Accounts

In order to make the services more patient friendly multiple cash counters have been placed at various location within the hospital building to facilitate “Any where billing” for OPD services.

A special group has been set up to ensure better monitoring of financial transactions and inventories at the sub-centres of the hospital at locations like Anand, Bhadran,



Petlad etc. The group will also be monitoring transactions related to insurance coverage and claims, co-ordination for purchase of library journals and certification for annual maintenance services.

The group has also initiated action for innovative modifications in the existing financial accounting system, with the help of the Systems group for effective costing and budgeting. Adoption of technology for e-payment to vendors is also in progress.

### Dietary Services

On an average, about 1161 patients are given diet counseling by the Dietician every month which includes out-patient and in-patient counseling. During the year 2,84,515 diets were provided to the inpatients of the hospital. Additionally, 9478 Ryles Tube feeds and oral liquids were provided. A new scheme was launched to provide lunch and dinner to staff and patients' relatives at a nominal price of Rs. 10 per meal. The meals have become extremely popular – as many as 18,281 individuals have benefited from these meals. For the benefit of cancer patients, wheat grass juice is being provided from January 2009 - so far around 938 patients have benefited. The Surgical and Medical intermediate wards are also provided special diets. The patients in ICUs and deluxe rooms are now provided food in hot cases so that patients can now enjoy their meals at their convenience, if their medical condition so permits. The Dietary Services do their best to ensure that patients do not miss home and take part in the celebrations by serving traditional food on occasions like Diwali, New Year, Id, Christmas, Janmastami, Dhuleti, Shivratri, Dussera, Sharat Poonam, Utrayan, Independence Day, and Republic Day. The department has also started a one year course on “Clinical Dietician” the eligibility for which is B.Sc. Foods and Nutrition/ Food Science and Quality Control. B.Sc. and M.Sc. Nutrition students are being trained on clinical diet pattern and hospital dietary services.

The department organised Nutrition Week from 1st-5th September 2009. An exhibition



on Diabetic Diet, Demonstration on Food Adulteration, Survey on Food Habits among Hospital Staff and Awareness on Anemia were organized. 198 persons participated in these celebrations.

### **Maintenance**

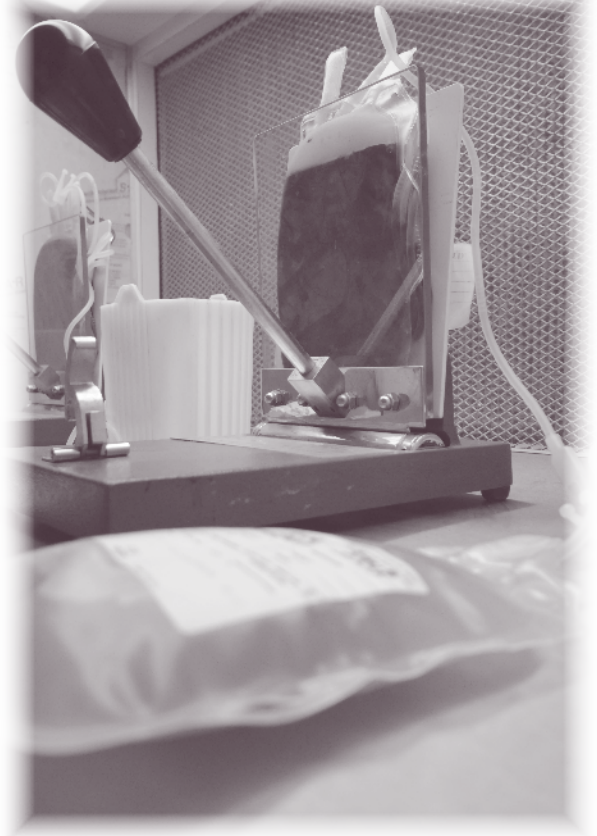
In addition to routine up-keep and maintenance of the Mechanical/Refrigeration, Electrical, Bio-medical and Electronics equipments, the highlight of the year was the department's role in providing engineering support to the Cardiac Centre Project. The department also provided support to the Project Group for renovation of Radiology and other OPD areas. The department was also instrumental in providing Central Compressed Air to the different ICUs to facilitate use of latest ventilators and in the OTs for pneumatic tools, which is in final stage. Augmentation of electrical sub-station to meet the additional power needs of the hospital is another milestone for the department during the year.

A 700-line digital EPABX was installed during the year to meet the increased requirement.

### **Materials Management**

The function of the Department is to procure and supply right quality and quantity of material from the right source at the most effective rates at the required time. The key activities of the department for the year 2008-09 are as follows:

1. Nearly 5800 purchase orders, amounting to approximately Rs.10.25 crores, were released and approximately 33000 items (excluding Capital items) were ordered. Though the items being purchased nearly doubled, this was achieved without any additional manpower.
2. About 100 Annual Rate contracts/Annual Maintenance contracts were finalized.
3. In addition to generic medicines, branded products have been added to the hospital formulary, to suit the needs of the patients and the clinicians. A total of 1800 medicines are now available in the Hospital formulary. A ready reckoner-type pocket book has been released

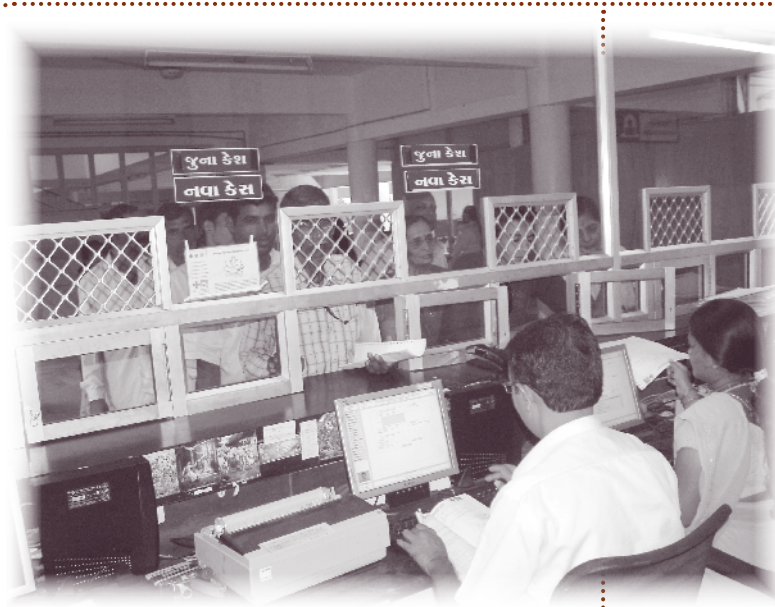


for medicines available in the "Hospital Formulary" for the benefit of clinicians.

4. About 1500 surgical items are included in the Medical Stores for Cardiac unit.
5. During the year, a Central Receiving Stores has been introduced which has resulted to reduction of internal lead time by speedy clearance and acceptance of incoming material.

### **Medical Records**

International Statistical Classification of Diseases (ICD) was introduced at the department from August 2008 and the pending ICD coding of the year 2008 was completed. ICD coding is now a mandatory requirement of the Medical Council of India (MCI). Policies and protocols are made for medical records department as per the standards laid down by National Accreditation Board Hospital (NABH) standards. Old MLC records are now being filed separately as per the NABH standards. The MRD has started providing sonography reports of pregnant women to district health office as per the PNDT act and is also providing various kinds of statistical reports to the management in time.



The department hopes to introduce ICP-9 coding, which, once achieved, will make our hospital the first hospital in Gujarat to do so.

### Projects

Completion of the Bhanubhai and Madhuben Patel Cardiac Centre was the major achievement for the Projects group. The centre, which has been built over an area of 46, 000 sq. ft was completed in a period of 18 months. Another important activity was the extension of the substation which was completed during the year. The other major activities of the group are as follows:

1. Car parking areas.
2. New drainage pumping station.
3. A Lounge for patients who come for health check ups.
4. Renovation of Radiology Department.
5. Room Renovation at PG Hostel.
6. OPD Renovation and Dado tiles in OPD areas.

### Personnel and Administration

This year, the department was busy with many new recruitments for different cadres, due largely to the opening of the Bhanubhai and Madhuben Cardiac Centre, opening of new extension centres at Agriculture University, Bhadrn and Agas, addition of new facilities such as Hello Health, as also to the formation of the new operational structure of the Shree Krishna Hospital – The Verticals.

The department provided logistical support for Retreats as well as in arranging a training programme for faculty members at Institute of Rural Management, Anand.

During the year, the department worked on the revision of the pay structure to match the pay structure of the Government's VI Pay Commission. The pay was revised with effect from 1st January 2006 and the new pay was implemented from 1st January 2009. The arrears would be paid to the staff in instalments.

instalments.

P & A Group continued to provide support to other departments for organizing various activities including general administrative support for transport, security, maintaining residential facilities, housekeeping, estate management etc. and handling legal matters and facilitating recruitment and personnel management. The department was also engaged in ensuring that the meetings of Governing Body, Governing Council and General Body of Mandal were conducted regularly.

### Marketing

The Marketing department at Shree Krishna Hospital, Karamsad, came into existence in January 2009. The need for marketing the services offered by the hospital was felt not for financial gains but for the realization that many, even in the vicinity of the hospital, were not aware of the quality services that are offered at affordable charges by the hospital. The hospital is known to the local population as a charitable trust hospital which caters largely to the poor and rural community. A need was felt to change this mindset of the local community and the people of Gujarat. The hospital has now been offering super-speciality services like Cardiology, Oncology, Joint Replacement Surgeries and also has well-equipped diagnostic services.

The department facilitates tie-ups with patients (inpatient and outpatient), individuals and institutions for health check-up and credit client servicing. This involves maintaining existing tie-ups, renewing contracts and maintaining communication channels with existing clients. In order to create awareness about the services of the hospital, the department organizes conferences, seminars, workshops, exhibitions, etc both within the hospital premises and at venues other than the hospital. The department is involved from organization to logistics and implementation of a given event and engages in brand enhancement through brochures, patient information material and camps.

### **Systems**

During the year, the Systems Group implemented policies for users and user groups to control internet access and bandwidth usage through Cyberoam web-based console successfully. At present, the Group has registered about 997 users and categorized them into five different user group(s) viz. hospital, college, student, resident and home-user for monitoring and managing internet usage smoothly. All Clinical and Non-Clinical departments of Pramukhswami Medical College are linked to the Internet via Wireless connectivity. Internet bandwidth has been upgraded from 1 MBPS to 2 MBPS thereby catering to the increasing needs and demands of the Charutar Arogya Mandal (CAM) user community. For the recently commissioned Bhanubhai and Madhuben Patel Cardiac Centre, the Systems Group rolled out a state-of-the-art network infrastructure setup, telemedicine setup, systems hardware setup (desktop systems, thin clients, dot matrix printers and laser printers) and implemented web-based Hospital Management Software (HMS) application successfully. During the year, HMS application was successfully migrated from DOS based platform to web-based Linux platform for the Shree Krishna Health Centre at the Mayank Jayant Foundation, Anand. A web-based HMS application was successfully introduced at the new extension center at

Anand Agriculture University.

Major highlights of software enhancements during the year include – introducing the feature of blood component in the blood bank module, interfacing laboratory reporting module with KX-21 (cell counter) instrument, computerization of Histopathology laboratory reports, introducing full-fledged employee information system and development of unique MIS reports for hospital management needs.

In order to remove the inhibitions of the nursing staff and to ensure that they learn to use the HMS to the best extent possible, the group conducted theory and practical sessions and examinations for the course “Computer Applications in Nursing” as a part of the curriculum of Nursing School.

An in-house training programme on “Red Hat Enterprise Linux System Essentials, System Administration, Network Security and Services” was organized to further strengthen and enhance technical skills in this area for the Systems Group’s technical team. This training ran twice a week from July 2008 to December 2008.

An open source mail server solution using post fix (SMTP and MTA), which is one of the best mail technologies not only in open source but in the world, has been selected, configured, and implemented for about 1195 mail box users including all hospital (both paramedical and non-paramedical) staff members, college (both teaching and non-teaching) staff members, doctors, residents and students.

Besides sustaining existing varied infrastructure setup and providing technical support plus solutions to the ongoing activities of HM Patel Centre for Medical Care and Education, the Systems Group is actively engaged in designing, developing, and implementing an in-house software solution(s) in the field of patient care, education and research using the robust TCP/IP network protocol, reliable Linux server operating system, dependable MySQL database, proven Apache web server with PHP and light-weight browser user interface.

## *Human Resource Development Activities*

In keeping with our emphasis on continual improvement, especially in the context of teaching and research, following faculty development activities were organised:

An in-house workshop on “**Art of Lecturing and Effective Presentation**” was organised by Medical Education Unit on 30<sup>th</sup> March, 2009. Dr. Himanshu Pandya and Dr. Sunil Trivedi were the faculty for the workshop. It was facilitated by Dr. Praveen R Singh and Dr. Suman Singh. 40 faculty members from various departments attended the workshop.

A workshop on “**Integrated Teaching Learning Programme in Undergraduate Medical Education: An Indian Perspective**” was organised by Medical Education Unit, as a part of MCI Platinum Jubilee Celebration, at HM Patel Centre for Medical Care and Education, Karamsad on 7<sup>th</sup> February, 2009. The faculty for the workshop included: Dr. DK Srinivas, Dean (Retired) Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry; Dr. Krishna Sheshadri, Sri Ramchandra Medical College, Chennai; Dr. Himanshu Pandya, Pramukhswami Medical College, Karamsad and Dr. Rashmi Vyas, CMC, Vellore. This was attended by 46 faculty members from various departments.

**A Management Appreciation Programme** was organised at the Institute of Rural Management, Anand from 27<sup>th</sup> to 29<sup>th</sup> January, 2009. It was attended by the Vertical Heads and selected faculty members from various departments.

An in-house workshop on “**Microteaching**” was jointly organised by the Medical Education Unit and PG Academic Cell on 20<sup>th</sup> November, 2008. Dr. Himanshu Pandya was the course coordinator and faculty for the workshop. The workshop was facilitated by Drs. Jyoti Mannari, Raksha Bhatt and Sunil Trivedi. 28 faculty members from various departments attended the workshop.

An in-house workshop on “**Objective Structure Practical Examination and Objective Structured Clinical Examination**” was organised by the Medical Education Unit on 21<sup>st</sup> October, 2008. The workshop was coordinated by Dr. Himanshu Pandya. The faculty included Dr. Ramji Singh,

Sevagram MGIMS, Wardha and Dr. Himanshu Pandya. The workshop was facilitated by Dr. Pravin R Singh, Dr. Uday Shankar and Dr. Vivek Verma and was attended by 31 faculty members from various departments.

**Other Programmes attended by various faculty at various levels is given below:**

### **Institutional/Regional**

#### **Anatomy:**

Dr. Praveen R Singh is undergoing a short term Certificate Course in “Practice of Ayurveda” at the College since March, 2008. He also attended workshop organised by the Radiology Department on “Silicosis and Radiology” on 22<sup>nd</sup> June 2008.

#### **Central Research Services:**

Dhara Antani and Jaishree Ganjiwale joined a certificate course in SPSS (A statistical analysis software) in February, 2009.

Jaishree Ganjiwale attended a workshop of Fellowship for Advancement of International Medical Education and Research 2009 for 7 days at Ludhiana in January, 2009.

Dr. Nayanjeet Chaoudhury attended “Integrated Management of Childhood and Neonatal Illnesses”, a WHO promoted training managed by Gujarat Government, at Karamsad from 21<sup>st</sup> April, to 28<sup>th</sup> April, 2008. He also attended a “A two day Essential Newborn Care” workshop at the College on 29<sup>th</sup> and 30<sup>th</sup> April, 2008.

#### **General Medicine:**

Dr. Himanshu Pandya attended Good Clinical Practice Training at Muljibhai Patel Urological Hospital (MPUH), Nadiad, on 15<sup>th</sup> March, 2009. He also attended workshop on “Evaluation Methodology” and delivered a lecture on “Mini Clinical Evaluation Exercise (mini-CEX)” at Government Medical College, Bhavnagar, on November, 29, 2008.

#### **Microbiology**

Dr. Suman Singh attended workshop on “Radiology and Silicosis” at Pramukhswami Medical College, Karamsad on 22<sup>nd</sup> June, 2008.

#### **Paediatrics**

Dr. Lopa Dalal attended workshop on “Problem Solving in Paediatric Infectious Disease” at Anand in May, 2008.

#### **Pathology**

Drs. Menka Shah, Keyuri Patel, Monica Gupta,

Sanjay Chaudhari, Neena Doshi, Trupti Joshi, Faruq Mulla, Munira Jhabuawala and Kalpesh Shah attended an in-house training on "Usages of Various Online Journals Search in our Institute, including Subscribed Journals" on 20<sup>th</sup> February, 2009.

Drs. Menka Shah, Keyuri Patel, Monica Gupta, Sanjay Chaudhari, Neena Doshi, Trupti Joshi and Faruq Mulla attended guest lecture on "Hospital Acquired Infection, Methicillin Resistant Staphylococcus Aureus (MRSA)" by Dr. Hemant C Vaidya from California, USA on 16<sup>th</sup> February, 2009.

Drs. Monica Gupta, Keyuri Patel, Neena Doshi and Sanjay Chaudhari attended a Lecture on "Diagnostic Electron Microscopy" by Dr. Pushpa Vishwanathan, Professor Department of EM, Cancer Institute, Chennai at Sophisticated Instrumentation Centre for Applied Research and Testing (SICART), Vallabh Vidyagar on 9<sup>th</sup> February, 2009.

#### **Pharmacology**

Drs. Bharat Gajjar, Anuradha Joshi and Alpa Gor are undergoing a Certificate Course on "Basic Principles of Ayurveda" since 24<sup>th</sup> May, 2008.

#### **Physiology**

Drs. Ashok R Nair and Archana Nimbalkar attended "Paediatric Cardiology CME" on the campus on 28<sup>th</sup> February, 2009.

#### **Preventive and Social Medicine**

Dr. Dinesh Bhandari attended training for teachers, who are Red Ribbon Club incharge of their respective colleges, on healthy life style, sex, sexuality, and substance abuse as a resource person organized by Gujarat AIDS Control Society at our campus on 12<sup>th</sup> February, 2009. He was also a resource person for HIV/AIDS training programme for health supervisors at Tribhuvandas Foundation organized by Anand network of people living with HIV/AIDS and Gujarat State AIDS Control Society on 7<sup>th</sup> February, 2009. He facilitated workshop on "Problem Solving for Better Health" at Pramukhswami Medical College, Karamsad on 28<sup>th</sup> and 29<sup>th</sup> July, 2008.

Dr. Nila Nanavati attended Training of Trainers on Integrated Management of Neonatal and Childhood Illness Under Reproductive and Child Health – Phase -2 at Government Medical College, Surat from 28<sup>th</sup> January to 6<sup>th</sup> February, 2009. She also attended Training on "Supervision in Integrated Management of Neonatal and Childhood Illness" under Reproductive and Child Health – Phase 2

at HM Patel Academic Centre from 5<sup>th</sup> to 7<sup>th</sup> May, 2008.

Dr. Deepak Sharma attended Mamta Diwas/Routine Immunization, a state level review workshop and preparation of district Project Implementation Plan (PIP) for healthcare-2009 -2010 at Vadodara on 5<sup>th</sup> and 6<sup>th</sup> January, 2009. He also attended the training programme on "Integrated Management of Neonatal and Childhood Illness" - Training of Trainers at Government Medical College, Surat from 8<sup>th</sup> to 17<sup>th</sup> September, 2008, and Integrated Management of Neonatal and Childhood Illness training for medical officers at HM Patel Academic Centre from 21<sup>st</sup> - 30<sup>th</sup> April, 2008.

Dr. Shyamsundar attended training on "Integrated Management of Neonatal and Childhood Illnesses" at the campus in September, 2008. The Training was based on the modules designed by World health Organisation (WHO) and United Nations Children's Fund (UNICEF), implemented all over the world. He also attended workshop as on "X-Ray Diagnosis of Pneumoconiosis based on ILO (International Labor Organization) Classification" at the campus on 22<sup>nd</sup> June, 2008.

#### **State**

##### **Anatomy**

Dr. Praveen R Singh attended hands-on CME-workshop on "Objective Structured Clinical Examination and Objective Structure Practical Examination as a Tool for Evaluation" supported by Medical Council of India at NHL Medical College, Ahmedabad on 17<sup>th</sup> September, 2008. He also attended a workshop on "Embalming Techniques" at NHL Municipal Medical College, Ahmedabad on 22<sup>nd</sup> February, 2009.

##### **General Medicine**

Dr. Sanket Sheth attended workshop on "DOTS Plus therapy for Tuberculosis" organised by Government of Gujarat at Civil Hospital, Ahmedabad on 26<sup>th</sup> September, 2008 .

##### **Microbiology**

Drs. Sunil Trivedi, Suman Singh, Yagnesh Pandya and Rupal Patel attended conference of Indian Association of Medical Microbiologist Gujarat Chapter organised by Department of Microbiology at NHL Medical College, Ahmedabad on 21<sup>st</sup> December, 2008.

Dr. Suman Singh attended a workshop on "Objective Structured Clinical Examination and Objective Structure Practical Examination as Tool

for Evaluation” at NHL Municipal Medical College, Ahmedabad on 17<sup>th</sup> September, 2008.

Dr. Rupal Patel attended Training of Trainers for Regional Resource Team/Supportive Supervision Team on “Sexually Transmitted Infections/ Reproductive Tract Infection Services Under National HIV/AIDS Control Project” organised by Gujarat State AIDS Control Society at Ahmedabad from 30<sup>th</sup> July to 1<sup>st</sup> August, 2008.

### **Obstetrics and Gynaecology**

Dr. LN Chauhan attended workshop as a speaker on “Obstetric Hysterectomy” in Vadodara on 1<sup>st</sup> March, 2009.

Dr. Nitin Raithatha attended “Assessors Course for National Accreditation Board for Hospitals and Healthcare Providers” by Quality Council of India at Gandhinagar Info-City from 26<sup>th</sup>–30<sup>th</sup> April, 2008.

### **Ophthalmology**

Dr. Harsha Jani attended Phaco workshop at Ahmedabad on 6<sup>th</sup> and 7<sup>th</sup> September, 2008.

### **Paediatrics**

Dr. Somashekhar Nimbalkar was course director and faculty for “Paediatrics Advanced Life Support Course” on the campus on 26<sup>th</sup> and 27<sup>th</sup> July 2008, and a for a similar course at VS Hospital, Ahmedabad on 14<sup>th</sup> and 15<sup>th</sup> February, 2009. He was also faculty for “Golden Hour Emergency Medicine Course” at Jamnagar from 13<sup>th</sup> and 14<sup>th</sup> December, 2008, and attended “Regional Science of Vaccinology Training programme” as District Trainer at Surat on 6<sup>th</sup> and 7<sup>th</sup> September, 2008.

Dr. Nimbalkar attended workshop on “Public Private Partnership in Neonatal Care” organized by UNICEF (The United Nations Children’s Fund) at Surya Hospital, Vadodara on 25<sup>th</sup> May, 2008. It was deliberated on cost structure for Bal Sakha which was launched in December, 2008 by Government of Gujarat.

Drs. Nikhil Kharod, Lopa Dalal and Dipen Patel attended CME on “Scholastic Backwardness” organised by the Growth and Development Chapter of Indian Academy of Paediatrics at Vadodara Branch of Indian Academy of Paediatrics on 5<sup>th</sup> October, 2008.

### **Pathology**

Drs. Menka Shah and Monica Gupta attended workshop on “Total Quality Improvement in Laboratory Medicine” organised by BD (India) Pvt. Ltd., at Sterling Hospital, Ahmedabad on 7<sup>th</sup> March, 2009.

Dr. Menka Shah chaired the “Pre-final Round 2 of Gujarat State Inter – Medical College Physiology Quiz Competition 2008” held at Pramukhswami Medical College, Karamsad on 27<sup>th</sup> April, 2008.

### **Pharmacology**

Drs. Bharat Gajjar, Nazima Mirza, Nilesh Patel attended Clinical Cardiology Workshop organised by Gujarat State Family Physicians’ Forum (GSFPPF), Cardio-Vascular Health Foundation (CVHF) and Apollo Hospital at Ahmedabad on 18<sup>th</sup> May, 2008.

### **Preventive and Social Medicine**

Dr. Donald Christian attended Workshop on “Qualitative Research Methods for Health Professionals” at Indian Institute of Public Health, Gandhinagar from 27<sup>th</sup> to 29<sup>th</sup> March, 2009.

Dr. Shyamsunder attended the pre-conference workshop and annual conference of Indian Association of Preventive and Social Medicine (IAPSM) Gujarat Chapter on “Medical Education and Health Insurance at CU Shah Medical College, Surendranagar on 18<sup>th</sup> and 19<sup>th</sup> December, 2008.

Dr. Uday Shankar attended Training of Trainers for “Regional Resource Team/Supportive Supervision Team on Sexually Transmitted Infections / Reproductive Tract Infections Services” under National AIDS Control programme-III” organized by Gujarat State AIDS Control Society, Ahmedabad from 30<sup>th</sup> July to 1<sup>st</sup> August, 2008.

### **Psychiatry**

Dr. Himanshu Sharma attended “Clinical Neuroscience Workshop” at VS Hospital, Ahmedabad on 2<sup>nd</sup> and 3<sup>rd</sup> February, 2008.

### **Radiodiagnosis**

Drs. Chandra Raychaudhari, Mihir Dave, Parul Thakkar and 8 resident doctors from the department attended “Radio-diagnosis Imaging Update” at Jamnagar held on 21<sup>st</sup> February, 2009.

Dr. Deepak V Mehta attended pre-conference workshop of 60<sup>th</sup> Annual Conference Of Indian Medical Association (IMA), Gujarat State Branch (60<sup>th</sup> GIMACON) at Vadodara on 21<sup>st</sup> November, 2008.

### **General Surgery**

Dr. SH Shrivastava attended MCI Platinum Jubilee Workshop at Surat Municipal Institute for Medical Education and Research, Surat on 17<sup>th</sup> January, 2009 and a Workshop of West Zone at BJ Medical College, Ahmedabad on 10<sup>th</sup> January, 2009.

Drs. Sunil Vyas and Vipul Yagnik attended Association of Minimal Access Surgeons Of India (AMASI) Laproscopic Workshop at Vadodara.

#### **Skin and Venereal Diseases**

Drs. Rita Vora and 2 residents from the department attended workshop on AIDS organized by National AIDS Control Organisation in Ahmedabad on 22<sup>nd</sup> June, 2008.

#### **National**

##### **Anatomy**

Dr. Praveen R Singh attended hands-on Residential Training Session on "Health Professionals Education Towards FAIMER Fellowship" at Christian Medical College, Ludhiana from 17<sup>th</sup> to 22<sup>nd</sup> January, 2009. He also completed one year web-based training session in December, 2008 towards FAIMER fellowship training programme and online discussion: LISTSERVE organised by Education Commission for Foreign Medical Graduates (ECFMG) from January 2007 to December, 2008, and attended national workshop on "Teaching Learning Methods in Health Profession's Education" at All India Institute of Medical Sciences, New Delhi from 10<sup>th</sup> to 12<sup>th</sup> November, 2008.

Dr. RH Bhatt attended the 27<sup>th</sup> national course on "Education Science for Teachers and Health Professor" at National Teacher Training Centre, Jawaharlal Institute of Postgraduate Medical Education and Research, Pondichery from 22<sup>nd</sup> September to 1<sup>st</sup> October, 2008.

Drs. Praveen R Singh and Sumati Khanna attended national hands-on workshop on "Assessment Methods for Learning Evaluation in Basic Medical Sciences" at All India Institute of Medical Sciences, New Delhi from 22<sup>nd</sup> to 24<sup>th</sup> September, 2008.

##### **Anaesthesiology**

Dr. Alpa Patel attended 24<sup>th</sup> Annual National Conference and workshop on Cadeveric II TV guided by "Sympathetic Blocks with Radiology Rounds" of ISSP (Indian Society for Study of Pain) 2009 held at Hyderabad from 5<sup>th</sup> to 8<sup>th</sup> February, 2009.

Drs. Madhavi Chaudhari and Bharti Rajani attended CME and workshop on "Updates in Anaesthesia" organised by Department of Anaesthesiology and Critical Care at Sri Aurobindo Institute of Medical Sciences and Indian Society of Anaesthesiology, Indore on 24<sup>th</sup> and 25<sup>th</sup> January, 2009.

Dr. Neeta Bose attended Instructor Monitoring Workshop and Advance Cardiac Life Support

Course (ACLS) for Instructors at Life Supporters Institute of Health Sciences, Mumbai from 21<sup>st</sup> to 23<sup>rd</sup> November, 2008.

Dr. Asmita Chaudhari was instructor for Advance Cardiac Life Support Course organised by Academy of Traumatology in collaboration with American Heart Association at NHL Medical College, Ahmedabad from 17<sup>th</sup> to 19<sup>th</sup> November.

#### **Central Research Services**

Dr. Nayanjeet Chaoudhury attended advanced orientation on "Occupational Health", training of trainers, sponsored by WHO and Indian Council of Medical Research organized by National Institute of Occupational Health, Ahmedabad from 3<sup>rd</sup> to 5<sup>th</sup> October, 2008.

#### **Bhanubhai and Madhuben Patel Cardiac Centre**

Dr. Dhiren Dave attended workshop at Paediatric Cardiology Society of India, Cochin from 7<sup>th</sup> to 15<sup>th</sup> November, 2008.

#### **Medicine**

Dr. Ripal Shah attended workshop on "Clinical Research Methodology" at Centre for Health Care, Symbiosis, Pune in January, 2009. He also attended IDCC-2008 "Infectious Disease Certificate Course" organized by PD Hinduja Hospital, Mumbai and Henry Ford Health System, USA in August, 2008.

Dr. Himanshu Pandya attended national workshop on "Teaching Learning Methods in Health Profession's Education", at All India Institute of Medical Sciences, New Delhi from 10<sup>th</sup> to 12<sup>th</sup> November, 2008. He also attended "Faculty Development Workshop" at Sri Ramachandra Medical College, Chennai, from 23<sup>rd</sup> to 26<sup>th</sup> June, 2008.

Dr. Sanket Sheth attended course on basic "Analytical Toxicology" at Amrita Institute of Medical Sciences, Cochin, Kerala from 15<sup>th</sup> to 20<sup>th</sup> September, 2008.

#### **Microbiology**

Dr. Suman Singh attended Residential Training Session on "Health Professionals Education", Christian Medical College, Ludhiana from 17<sup>th</sup>-22<sup>nd</sup> January, 2009. She also attended workshop on "Teaching Learning Methods in Health Professions' Education" at All India Institute of Medical Sciences, New Delhi from 10<sup>th</sup>-12<sup>th</sup> November, 2008.

Drs. Suman Singh, Yagnesh Pandya and Rupal Patel attended workshop on "Advanced Diagnostic And Research Techniques" at Armed Forces Medical College, Pune from 21<sup>st</sup> to 25<sup>th</sup> October, 2008.

**Obstetrics and Gynaecology**

Drs. Nitin Raithatha and Maitri Patel attended workshop on “Cesarian Section” at Pune on 29<sup>th</sup> August, 2008.

Dr. Nitin Raithatha attended training of Gujarat State AIDS Control Society (GSACS) on “Syndromic Management for Sexually Transmitted Infections” at Allahabad from 30<sup>th</sup> July to 1<sup>st</sup> August, 2008.

**Paediatrics**

Dr. Somashekhar Nimbalkar was faculty for “Paediatrics Advanced life Support Course”, Kausalya Hospital, Thane on 7<sup>th</sup> and 8<sup>th</sup> March, 2009. He was course director and faculty for Neonatal Resuscitation programme, a District Trainers programme of the Indian Academy of Pediatrics at Gandhidham on 17<sup>th</sup> and 18<sup>th</sup> January, 2009. He was also appointed as Joint West Zone Coordinator for Indian Academy of Pediatrics, First Golden Minute programme.

Dr. Nikhil Kharod attended workshop on “Improving Care of Low Birth Weight Infants in Community”, jointly organized by the College and National Neonatology Forum, Gujarat State Chapter and UNICEF, Gujarat, at Karamsad on 6<sup>th</sup> December, 2008. He presented a paper on “Essential Newborn Care through Village Health Workers- TF Experience” as principal investigator in which Drs. Shashi Vani and Viren Doshi were co-investigators.

Drs. Nikhil Kharod, Dipen Patel and Ankit Sinojia attended workshop on “Growth Monitoring in Paediatric Practice” in VII National Conference of Growth and Development Chapter of Indian Academy of Paediatrics at Mumbai on 19<sup>th</sup> September, 2008.

Dr. Somashekhar Nimbalkar attended Vaccinology Training programme as district trainer on 6<sup>th</sup> and 7<sup>th</sup> September 2008. He also attended workshop for the faculty of Medical Institutions in India on “Basic Research Methodology For Improving Guidance Of MD Theses” at All India Institute of Medical Sciences, New Delhi on 26<sup>th</sup> and 28<sup>th</sup> August, 2008.

Dr. Lopa Dalal attended “Paediatrics Epilepsy Course” at Hyderabad on 5<sup>th</sup> and 6<sup>th</sup> April, 2008.

**Physiology**

Dr. Ashok Raman Nair attended workshop on “Introducing Yoga in Medical Curriculum” at Jawaharlal Institute of Postgraduate Medical

Education and Research, Pondicherry on 19<sup>th</sup> and 20<sup>th</sup> March, 2009.

Dr. Vivek Verma attended national workshop on “Assessment Methods for Learning Evaluation” at All India Institute of Medical Sciences, New Delhi in September, 2008.

**Preventive and Social Medicine**

Dr. Dinesh Bhanderi attended “Adolescent Education Programme” for training of teachers, organized by Central Board of Secondary Education and United Nations Population Fund at Delhi Public School Bilaspur, Himachal Pradesh on 1<sup>st</sup> December, 2008.

Dr. Uday Shankar Singh was selected for fellowship of Foundation for Advancement of International Medical Education and Research (FAIMER) at Seth Gordhandas Sunderdas Medical College, Mumbai in 10<sup>th</sup> to 15<sup>th</sup> June, 2008.

**Radiodiagnosis**

Dr. Diva Shah attended advances in “Multi-detector Computed Tomography” with workshop on “Musculo-Skeletal Ultrasound” at Agra from 1<sup>st</sup> to 3<sup>rd</sup> August, 2008.

**General Surgery**

Dr. Jitesh Desai attended “National Accreditation Board of Hospitals (NABH) Assessor’s Training Programme” at New Delhi from 21<sup>st</sup> to 25<sup>th</sup> March, 2009. He also attended “Laposcopic Training Programme” by National Capital of Asia Pacific Hernia Society at Mumbai on 5<sup>th</sup> and 6<sup>th</sup> February, 2009.

**TB and Chest**

Drs. Rajiv Paliwal and Purvesh Patel attended workshops on “Revised National Tuberculosis Control programme”, “Non-invasive Ventilation” and “Spirometry” in the 10<sup>th</sup> National Conference on Pulmonary Diseases, NAPCON 2008 at Lucknow from 6<sup>th</sup> to 9<sup>th</sup> November, 2008.

Dr. SN Patel attended Zonal Task Force workshop (West Zone) 2008 at Goa Medical College on 12<sup>th</sup> and 13<sup>th</sup> September, 2008. He also took “DOTS Plus” training at Ahmedabad from 16<sup>th</sup> to 19<sup>th</sup> August, 2008.

**International**

**Anaesthesiology**

Dr. Neeta Bose attended international workshop as an Advance Cardiac Life Support Course Instructor at Hinduja Hospital Mumbai on 18<sup>th</sup> and 19<sup>th</sup> July, 2008.



**Central Research Services**

Ajay Phatak attended international workshop on "Statistical Models and Practices in Epidemiology" by Indic Society for Education and Development (INSEED) at Manipal from 24<sup>th</sup> - 28<sup>th</sup> November, 2008. He also attended international workshop on "Bayesian Statistics Using Open BUGS and R" organised by INSEED at St. Thomas college, Pala from 8<sup>th</sup> to 12<sup>th</sup> December, 2008.

**ENT**

Dr. Siddharth Shah attended workshop at Rajkot Cancer Hospital, Rajkot on 21<sup>st</sup> March, 2009

Drs. Girish Mishra, Yojana Sharma, Nimesh Patel attended workshop on "Beyond the Sinuses" at Thane, Mumbai from 21<sup>st</sup> to 23<sup>rd</sup> November, 2008.

Dr. Siddhartha Shah attended workshop of International Federation of Head and Neck Oncologic Societies (IFNOS) at Tata Memorial Hospital, Mumbai from 19<sup>th</sup> to 21<sup>st</sup> October, 2008.

**General Medicine**

Dr. Kishor Viradiya attended Critical Care Congress and 15<sup>th</sup> Conference of Indian Society of Critical Care Medicine (CRITICARE 2009) at Agra from 18<sup>th</sup> to 22<sup>nd</sup> February, 2009.

Drs. Jyoti Mannari, Sanket Sheth attended training for International Research Trial by Quintiles Company at Washington DC, USA from 6<sup>th</sup> to 9<sup>th</sup> November, 2008.

**Obstetrics and Gynaecology**

Dr. LN Chauhan attended workshop on "Health Policy Making in Vietnam, India and China (HEPVIC): A Stake Holder Workshop" at Indian Institute of Management, Ahmedabad on 18<sup>th</sup> February, 2009

Dr. Nitin Raithatha attended AIDS International Training and Research programme (AITRP) workshop "A Primer on Clinical Methods" at Ahmedabad from 11<sup>th</sup> to 14<sup>th</sup> February, 2009. It was a Indo-US collaboration workshop sponsored by University of South Florida. He also attended a workshop sponsored by USF (University of South Florida) on "Ethical issues in International Medical Research" at Vadodara from 21<sup>st</sup> to 23<sup>rd</sup> November, 2008

**Ophthalmology**

Dr. Harsha Jani attended live surgery on "Phaco Emulsification" at World trade Centre, Mumbai on 21<sup>st</sup> August, 2008.

**Orthopaedics**

Dr. Mihir Dholakia attended "Fellowship in Computer Assisted Orthopaedic Surgery (CAOS), Especially Knee And Hip Joint Surgery" at Singapore General Hospital and Tantok Seng Hospital from 15<sup>th</sup> to 21<sup>st</sup> September, 2008.

**Paediatrics**

Dr. Somashekhar Nimbalkar attended workshop organised by International Postgraduate Organisation for Knowledge Transfer Research and Teaching Excellent Students (IPOKRATES) on "Renal System, Fluid and Electrolytes" at Holy Spirit Hospital, Mumbai from 25<sup>th</sup> to 27<sup>th</sup> September 2008. Interaction with delegates during this workshop helped in setting up the Indian Academy of Paediatrics Fellowship in Neonatology at our Institute. He also attended the "Infant and Young Child Feeding Counseling: a Training Course (the 3 in 1 Course)" organized by Breast Feeding Network of India at Kalavati Saran Hospital, New Delhi on 28<sup>th</sup> June, 2008.

**Pharmacology**

Dr. Bharat Gajjar attended international training course on 'Medication Management in Hospitals: Role of Drug and Therapeutics' organised by a committee in collaboration with WHO at New Delhi from 8<sup>th</sup> to 11<sup>th</sup> December, 2008.

Dr. Barna Ganguly attended training programme on "Bioethics for Development of Experts on Bioethics in India" organised by The Indian Council of Medical Research jointly with National Institute of Health, Fogarty, USA from 21<sup>st</sup>-25<sup>th</sup> April, 2008. She was also invited as Chairman of Human Research Ethics Committee at Anand Pharmacy College and Muljibhai Patel Urological Hospital, Nadiad.

**Physiology**

Dr. Vivek Verma attended "FAIMER Fellowship programme" at Seth Gordhandas Sunderdas Medical College Mumbai in June, 2008.

**Surgery**

Dr. SH Shrivastava attended "MCI Commemorative International Workshop" at New Delhi on 2<sup>nd</sup> and 3<sup>rd</sup> March, 2009.

**TB and Chest**

Dr. Rajiv Paliwal attended workshops on "PPM in Resource limited countries" "Management of MDR (Multi Drug Resistant) / XDR (Extensive Drug Resistant) TB", "Tobacco and Lung Health", "Bronchial Asthma" and "Newer TB Drugs" in 1<sup>st</sup> international conference of South East Asia Region

(The Union) and 63<sup>rd</sup> National conference of TB and Chest Medicine (SEAR-NATCON 2008), at Delhi from 8<sup>th</sup> to 10<sup>th</sup> September, 2008.

### **Human Resource Development and Other Activities Organised**

#### **Regional/Institutional**

##### **Bhanubhai and Madhuben Patel Cardiac Center**

Health Talk on “Congenital Heart Disease for the Physicians of Anand” was organised at La Casa Inn Hotel, Anand.

Press conference for the awareness on “Heart Transplantation” was organised at the centre itself on 28<sup>th</sup> February, 2009.

#### **Forensic Medicine**

The department organised group discussion, on “Medico-legal Investigations in Cases of Sexual Offence” at HM Patel Academic Center on 13<sup>th</sup> September, 2008 where Assistant Director of Forensic Science Laboratory (FSL), Ahmedabad and District Government Pleader of Anand were Guest speakers.

#### **Medicine**

Dr. Himanshu Pandya organised in-house Training on “Medical Certification of Cause of Death” on March, 31, 2009.

Dr. Bhalendu Vaishnav organised Guest Lectures on:

(i) “Integral Health” by Prof. Kittu Reddy from Sri Aurobindo Ashram, Puducherry on 28<sup>th</sup> February, 2009.

(ii) “Spirituality as a Necessary Component of Medical Education” for Members of the Medical Education Unit on 28<sup>th</sup> February, 2009, and

(iii) by Dr. Ramesh Kapadia on “Integral Approach to Healing” on 11<sup>th</sup> October, 2008 all at Pramukhswami Medical College, Karamsad

He also coordinated a short term Certificate Course on Ayurveda at the campus from 30<sup>th</sup> June, onwards. The course is attended by 15 participants and is unique of its type.

Drs. Jyoti Mannari, Alpa Leuva organised Endocrine CME on the campus on 31<sup>st</sup> August, 2008. The sessions were chaired by Drs. HV Pandya, Bhalendu Vaishnav and other participants were Drs. Sanket Sheth, Samir Patel and Kishor Viradiya.

#### **Orthopaedics**

“Foot and Ankle” update was organised under the

aegis of Kheda, Anand Orthopaedics Association on our campus on 28<sup>th</sup> June, 2008 and was attended by 50 delegates.

#### **Paediatrics**

Dr. Krutika Tandan facilitated workshop on “Continuous Positive Airway Pressure” and “Improving Care of Low Birth Weight Infant in Community” in the department on 27<sup>th</sup> March, 2009 and 7<sup>th</sup> December 2008 respectively.

Dr. Somashekhar Nimbalkar was a faculty for “Integrated Management of Neonatal and Childhood Illness-Medical Officer Training” held on the campus from 30<sup>th</sup> September to 5<sup>th</sup> October, 2008. He also facilitated workshops on “Integrated Management of Neonatal and Childhood Illness-Medical Officer Training” and “Human Lactation Workshop” on the campus from 21<sup>st</sup> to 30<sup>th</sup> April, 2008 and 18<sup>th</sup> June to 2<sup>nd</sup> July, 2008 respectively.

#### **Pathology**

Dr. Monica Gupta organised felicitation Programme of Voluntary Blood Donors and Camp Organizers at AD Gorwala Blood Bank, at the Hospital in August 2008 and March 2009.

#### **Pharmacology**

The department organized CME on “Xenobiotics” at the College on 29<sup>th</sup> June, 2008. It included talks by Drs. BR Sainath Iyer, Bharat Gajjar, Nazima Mirza, Anuradha Joshi, Alpa Gor and Nilesh Patel. Doctors from Indian Medical Association and Gujarat State Family Physician’s Forum, Anand Branch also participated.

The department organised CME on “Xenobiotics Awareness” at the College on 25<sup>th</sup> May, 2008. This included many talks and an exhibition by the department faculty for xenobiotics awareness for complementary and alternative medicine practitioners.

#### **Preventive and Social Medicine**

Integrated Management of Neonatal and Childhood Illnesses for improvement in quality of health care provided to neonates and children upto 5 years in Anand and Kheda District was planned. For this purpose training of Aganwadi Workers, Health workers, Child Development Project Officer (CDPO), and Medical Officers, of Anand and Kheda District was organised.

Training of school teachers regarding common cancers (epidemiology, risk factors, early detection, prevention and control of common cancers) for

improvement in the level of awareness regarding common cancers in the community through the trained teachers was organized through out the year. The training sessions were held on a one day per month basis.

Health education of school children regarding cancers, HIV (AIDS), personal hygiene and addictions etc. was carried out throughout the year wherein 1 to 2 sessions were conducted in a month at various schools of Anand District.

Dr. Nila Nanavati conducted an interactive seminar on "Adolescence Awareness" at NK High School, Petlad on 25<sup>th</sup> July, 2008. She also gave an interactive talk on "Cancers in Females" at Swami Computer Centre, Bakrol on the eve of International Women's Day, 8<sup>th</sup> March, 2009.

### State

#### ENT

The department organised pre-conference CME on "Benign Lesions of Head and Neck" on the campus on 18<sup>th</sup> December, 2008, and also organised 32<sup>nd</sup> state level annual conference of Gujarat State Branch- Association of Otolaryngologists of India at the College on 19<sup>th</sup> and 20<sup>th</sup> December, 2008.

#### Obstetrics and Gynecology

Conference on maternal and child nutrition was organised by the department and paper was presented by Dr. LN Chauhan on "Composition of Breast Milk in Severe Anemia and its Effect on Infants" at Gandhinagar on 18<sup>th</sup> February, 2009.

The department organised "Cancer Screening" workshop on the campus on 24<sup>th</sup> September, 2008 Workshop on "Medico Legal Investigations in Case of Sexual Offence" was organised on the campus on 13<sup>th</sup> September, 2008.

#### Paediatrics

The department, in collaboration with WHO and AIIMS, organised workshop on "Science and Art of Continuous Positive Airway Pressure (CPAP)", at the College on 27<sup>th</sup> March, 2009.

Dr. Somashekhar Nimbalkar was Organizing Secretary and faculty for Paediatric Cardiac CME, and delivered a lecture on "Care of the Critically Ill Neonate With a Cardiac Problem" on the campus on 27<sup>th</sup> February, 2009. He was also the Organizing Secretary for Gujarat Chapter of Indian Academy of Paediatrics Conference ( GIAPCON) 2008 on "Advanced Ventilation Workshop" on the campus on 19<sup>th</sup> December, 2008.

Dr. Krutika Tandan was district trainer for "Neonatal Resuscitation Programme" by Indian Academy of Paediatrics at Gandhidham on 18<sup>th</sup> January, 2009.

Drs. Somashekhar Nimbalkar and Nikhil Kharod organised a workshop on "Improving Care of Low Birth Weight Infant in Community and Pain Management" on the campus on 6<sup>th</sup> and 7<sup>th</sup> December, 2008. Dr. Somashekhar Nimbalkar was the Co-Convener, faculty and delivered a lecture in this workshop on "Neonatal Pain Protocols and Care of the Low birth Weight Infants (LBWT) in the Community". Dr. Lopa Dalal was also a faculty in this programme.

Dr. Somashekhar Nimbalkar was course coordinator and faculty for The National Neonatology Forum – Gujarat State Branch PG CME in Neonatology and delivered a lecture on "Follow Up of NICU Graduate", "Pain in Neonates" and "Clinical Pathological Conference" on the campus on 19<sup>th</sup> and 20<sup>th</sup> July, 2009. He was also the course director, course coordinator and faculty for Neonatal Resuscitation Programme on the campus on 6<sup>th</sup> April, 2008 and 6<sup>th</sup> July 2008.

### National

#### Anaesthesiology

Department of Anaesthesiology organized a three day workshop (3<sup>rd</sup> to 6<sup>th</sup> April, 2008) on Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) and one day workshop on First Aid and BLS on the campus. These workshops were conducted by the Life Supporters Institute of Health Sciences (LIHS) group, Mumbai, a recognized training centre of American Heart Association. Faculty members from India and abroad attended the workshop.

#### TB and Chest

The department celebrated World TB Day on 24<sup>th</sup> March, 2009 by organizing conferences.

### CONFERENCES, CMEs and SEMINARS ATTENDED AND PAPERS Presented

#### Regional

#### Anaesthesiology

Dr. Gurpreet Panesor delivered a guest lecture in Paediatric Cardiac CME – 2009 on the campus organized by Cardiac Centre in association with Indian Academy of Paediatrics, Gujarat State Branch and Department of Paediatrics of our college on 28<sup>th</sup> February, 2009.

**ENT**

Dr. Siddharth Shah attended CME on “Oral Cavity Cancers”, Kailash Cancer Hospital, Goraj on 5<sup>th</sup> May, 2008.

**Manibhai Shivabhai Patel Cancer Center**

Drs. C Haritha and V Shankar attended Regional Indian Medical Association Meet on “Changing Paradigms in Chemotherapy Management of Gynaec Cancers”, “Role of Chemotherapy and Radiotherapy in Gynaecology Malignancies” and “Current Radiation Oncology Practices in Gynaec Cancers” at Indian Medical Association, Anand on 19<sup>th</sup> July, 2008.

Dr. Haritha attended Regional Indian Medical Association Meet for “Update on Fungal Infections” at Indian Medical Association, Anand.

**Medicine**

Dr. Jyoti Mannari delivered a guest lecture on “Diabetes Revisited” in Indian Medical Association meet for the General Practitioners at Sankara Eye Hospital on 1<sup>st</sup> March, 2009.

Dr. Himanshu Pandya attended seminar on “Relevance of Information/Communication Technology in Medical Education and Effective Leadership in Health Team” at Surat Municipal Institute for Medical Education and Research, Surat on 17<sup>th</sup> January, 2009. He also attended workshop on “Evaluation Methodology” and delivered a lecture on “Mini Clinical Evaluation Exercise (mini-CEX)” at Government Medical College, Bhavnagar, on 29<sup>th</sup> November, 2008.

**Microbiology**

Dr. Suman Singh attended CME on “Endocrinology” at Pramukhswami Medical College, Karamsad on 31<sup>st</sup> August, 2008.

**Obstetrics and Gynaecology**

Dr. Maitri Patel attended CME on “Myths and Facts of Progesterone” at La Casa Inn, Anand on 18<sup>th</sup> March, 2009.

**Ophthalmology**

Drs. Devendra Saxena and Chaitali Patel attended CME on Glaucoma at Taj Hotel, Vadodara in March 2009.

**Preventive and Social Medicine**

Dr. Nila Nanavati attended CME on “Paediatric Cardiology” at HM Patel Academic Centre on 28<sup>th</sup> February, 2009.

Dr. Donald Christian attended CME on “Medical Curriculum and Health Insurance” at CU Shah

Medical College, Surendranagar on 18<sup>th</sup> December, 2008.

**Pharmacology**

Drs. Bharat Gajjar and Nazima Mirza attended conference on “Ophthalmology for Family Physicians” organised by Indian Medical Association, Anand branch at Shankara Eye Hospital, Mogar, Anand.

**Radio-diagnosis**

Dr. Raychaudhari and other faculty members attended Paediatric Cardiac CME Programme organised by Bhanubhai and Madhuben Patel Cardiac Centre, Karamsad on 28<sup>th</sup> February, 2009.

Drs. C. Raychaudhari, Jayesh Bhatt, Deepak V Mehta, Viral Patel, Mihir Dave, Diva Shah, Parul Thakkar, and resident doctors attended a one-day seminar on “Chest Radiograph Rating in Industrial Lung Disease (Pneumoconiosis)” organised by Department of Preventive and Social Medicine at the College on 3<sup>rd</sup> December, 2008.

Dr. Deepak V Mehta was a Panelist Radiologist for the case discussions in the “Update on Gynaecological Malignancies” organised by Baroda Obstetric and Gynaecological Society at Vadodara on 31<sup>st</sup> August, 2008.

Drs. Chandra Raychaudhari and Jaydeep Doshi attended one day seminar on “Industrial Disease Pneumoconiosis Chest Radiograph Rating” organized by Preventive and Social Medicine Department on the campus on 22<sup>nd</sup> June, 2008.

**TB and Chest**

Dr. Rajiv Paliwal delivered a talk on “Diagnostic Utility and Interpretation of Pulmonary Function Tests’ at Anand on 28<sup>th</sup> March, 2009.

Dr. Purvesh Patel delivered a guest lecture on “COPD Comprehensive Approach with Special Emphasis on Pulmonary Function Test (Spirometry)” at Indian Medical Association, Borsad on 19<sup>th</sup> January, 2009, and delivered a talk on “Difficult Asthma, Behaving Like Chronic Obstructive Pulmonary Disease (COPD)” at Shree Krishna Hospital on World COPD Day 19<sup>th</sup> November, 2008.

Dr. Rajiv Paliwal delivered a guest lecture on “Pulmonary Function Tests- a Paediatrics Perspective” at the 34<sup>th</sup> annual conference of Indian Academy of Paediatrics, Gujarat (GIAPCON 2008) at Karamsad, in December, 2008, and attended PG CME as a faculty organised by the

Department of Paediatrics and delivered a talk on "Pulmonary Function Tests in Children" on 10<sup>th</sup> August 2008, and also delivered a talk in PG CME on 'Essentials of Revised National Tuberculosis Control programme' organised by Department of Pharmacy of the hospital on 29<sup>th</sup> June, 2008.

### State

#### Anatomy

Dr. Praveen R Singh attended a pre-workshop CME on "Skin Grafting" at NHL Municipal Medical College at Ahmedabad on 21<sup>st</sup> February, 2009. He also attended a Symposium on "Third Gujarat Cadaver Transplant Meet" co-organised by Institute of Kidney Diseases and Research Centre and Dr. HL Trivedi Institute of Transplant Sciences, Ahmedabad, Gujarat on 15<sup>th</sup> June, 2008.

#### Central Research Services

Jaishree Ganjiwale attended a State level Conference on Economics and Applied Statistics at SM Patel Institute of Commerce (Guajrat Law Society), Ahmedabad on 26<sup>th</sup> July, 2008.

Dr. Nayanjeet Chaudhury attended a workshop for physicians on "Diagnosis of Pneumoconiosis based on ILO's standard X-rays by experts from National Institute of Occupational Health, Ahmedabad on 29<sup>th</sup> and 30<sup>th</sup> April, 2008.

#### Medicine

Drs. Himanshu Pandya and Laboni attended Pediatric Cardiac CME on the campus on 28<sup>th</sup> February, 2009.

Drs. Kishor Viradiya and Devani Desai attended 3<sup>rd</sup> CON 2009 at Ahmedabad from 8<sup>th</sup> to 10<sup>th</sup> January, 2009.

Dr. Kishor Viradiya as author, Drs. BS Vaishnav and SB Vaishnav as the co-authors presented a paper on "Study of Medical and Obstetric Complications in Critically Ill Obstetric Patients at Rural Tertiary Care Hospital of Gujarat" and received 1<sup>st</sup> best paper award; Drs. Kishor Viradiya and Ravi Patel as authors and Dr. BS Vaishnav as the co-author presented a paper on "Severity Assessment Scoring System In Critically Ill Obstetric Patient Admitted in Rural Setup ICU" and received 2<sup>nd</sup> best paper award; Dr. Kishor Viradiya, Dr. Ravindra, Dr. H Pandya, Dr. A Mishra presented a poster on "A Rare Case of Acute Disseminated Encephalomyelitis in Adults" in 30<sup>th</sup> Annual Conference of Association of Physicians of Gujarat (APGCON) Rajkot on 27<sup>th</sup> and 28<sup>th</sup> December, 2008.

Drs. Himanshu Pandya and Kishor Viradiya attended Mid-Annual Conference of Association of Physicians of Gujarat in Daman on 20<sup>th</sup> and 21<sup>st</sup> September, 2008.

Dr. Kishor Viradiya attended ECG Conference by Indian Society of Electrocardiography at Silvasa on 22<sup>nd</sup> and 23<sup>rd</sup> August, 2008.

#### Microbiology

Drs. Sunil Trivedi, Suman Singh, Rupal Patel and Yagnesh Pandya attended and Drs. Sunil Trivedi, Suman Singh and Mrs. Annama Wilson presented a paper on "Surveillance of Hospital Acquired Infections at a Teaching Hospital In Rural Gujarat" organised for Indian Association of Medical Microbiologist Gujarat Chapter by the Department of Microbiology at NHL Medical College, Ahmedabad on 21<sup>st</sup> December, 2008.

#### Obstetrics and Gynecology

Dr. LN Chauhan presented paper on "Effect of Severe Anemia in Breast Milk Composition and its Outcome in Infant" in Gandhinagar on 15<sup>th</sup> January, 2009.

Drs. LN Chauhan, Smruti Vaishnav, Maitri Patel and Nipa Modi as co-authors presented paper on "Wonder Devise: Dynamic Uterine Balloon Temponade in Management of Atonic Postpartum Hemorrhage" at State level Organisation of Gynecology and Obstetrics in Ahmedabad on 14<sup>th</sup> December 2009.

Dr. Nitin Raithatha presented lectures in 1<sup>st</sup> National conference on "Evidence Based Obstetrics and Gynecology Practices" at Ahmedabad from 12<sup>th</sup> to 14<sup>th</sup> December, 2008.

Dr. Smruti Vaishnav presented a paper on "Study of Medical Complications in Critically Ill Obstetric Patient at Rural Tertiary Care Hospital of Gujarat" at Rajkot in December, 2008.

#### Paediatrics

Dr. Nikhil Kharod presented a paper on "Mental Health Vulnerability in Rural Adolescents" at 34<sup>th</sup> Annual Conference of Indian Academy of Pediatrics, Gujarat State Branch at Karamsad on 20<sup>th</sup> and 21<sup>st</sup> December, 2008.

Dr. Amar Patel as principal investigator; Drs. Nikhil Kharod, Shashi Vani and Somashekhar Nimbalkar as co-investigators presented paper on "Status of Neonatal Transfer and Transport to NICU" and won first prize at Midterm Scientific Meet of Indian Academy of Paediatrics at Surendranagar.

Drs. Kesar Gadhavi and Somashekhar Nimbalkar presented a poster on “Determine the Correlation of the Number of Hours of Kangaroo Mother Care Received in the Hospital to the Daily Duration of Kangaroo Mother Care Received at Home” in Gujarat Chapter of Indian Academy of Paediatrics Conference, 2008 at Sardar Patel Smarak, Karamsad on 21<sup>st</sup> December, 2008. The paper received 1<sup>st</sup> prize in the competition. Drs. Dipen Patel and Somashekhar Nimbalkar also presented a paper on “Correlation of Risk Score on Admission to PICU to Parental/Guardian Understanding of the Prognosis of the Patient” in the same conference.

#### **Pathology**

Drs. Menka Shah, Keyuri Patel, Monica Gupta, Sanjay Chaudhari, Neena Doshi, Faruq Mulla and. Munira Jhabuawala attended CME on “Uro-Oncopathology” at Jayaramdas Patel Academic Centre, Muljibhai Patel Urological Hospital, Nadiad on 27<sup>th</sup> and 28<sup>th</sup> February, 2009.

Dr. Keyuri Patel attended Annual Conference of Indian Association of Pathologists and Microbiologists, Gujarat Chapter at Bhavnagar on 3<sup>rd</sup> and 4<sup>th</sup> January, 2009.

Drs. Menka Shah, Keyuri Patel and Munira Jhabuawala attended “Hematology Update” at Ahmedabad on 4<sup>th</sup> and 5<sup>th</sup> October, 2008.

#### **Pharmacology**

Drs. Bharat Gajjar, Nazima Mirza and Alpa Gor attended conference on “Doctor of first Contact – A Dire Need of Today’s India” at SBKS Medical Institute and Research Center, Piparia under Platinum Jubilee Celebrations of Medical Council of India on 26<sup>th</sup> February, 2009.

Drs. Bharat Gajjar, Nazima Mirza attended and Drs. Vipul Chaudhari, Barna Ganguly presented poster on “Changing Pattern of Prescribing Anti-diabetic Agents in Patients Suffering from Diabetes Mellitus” in 27<sup>th</sup> Annual Conference of Indian Pharmacological Society at Rajkot on 1<sup>st</sup> February, 2009.

Dr. Bharat Gajjar attended 2<sup>nd</sup> Conference of Association of Physiologists and Pharmacologists of India at NHL Municipal Medical College, Ahmedabad on 5<sup>th</sup> April, 2008.

#### **Physiology**

Dr. SK Singh attended the above symposium at Piparia on 26<sup>th</sup> February, 2009. He also attended symposium on “Relevance of Information Technology in Medical Education and Effective Leadership of Health Team” in MCI Platinum

Jubilee Celebration at Surat Municipal Institute for Medical Education and Research Surat on 17<sup>th</sup> January, 2009.

#### **Preventive and Social Medicine**

Drs. Uday Shankar Singh and Deepak Sharma attended 26<sup>th</sup> Annual Conference of Indian Association of Preventive and Social Medicine-Gujarat Chapter at CU Shah Medical College, Surendranagar on 19<sup>th</sup> December, 2008. Dr. U Shankar presented paper on “A Cross-sectional Study of the Physical Discomfort Among Occupational Computer Users”. Dr. Deepak Sharma presented a paper on “Study on Injury Patterns in Jamnagar City”.

#### **Radio-diagnosis**

Dr. D Mehta presented a paper on “Clinical and MRI Correlation in the Soft Tissue Injuries of Knee Joints: Importance of Knowing Mode of Injury and Functional Anatomy” at the 60<sup>th</sup> annual conference of Indian Medical Association, Gujarat State Branch on the theme “Medical Practice Vision 2020” at Vadodara on 22<sup>nd</sup> and 23<sup>rd</sup> November, 2008.

Drs. C Raychaudhari and D Mehta attended Gujarat’s 1<sup>st</sup> (Multi Detector CT Scan user’s meeting at Diu on 9<sup>th</sup> and 10<sup>th</sup> August, 2008.

Drs. C Raychaudhari, J Doshi, J Bhatt, and D Mehta attended seminar on “PNDT Act” organised by Indian Radiological and Imaging Association in association with Ministry of Health and Family Welfare, Government of India at Ahmedabad on 20<sup>th</sup> April, 2008.

#### **TB and Chest**

Dr. Rajiv Paliwal attended 23<sup>rd</sup> Annual Conference of The Gujarat State TB Association, Navasari and chaired a scientific session on “Multi Drug Resistant TB in Private Practice” on 22<sup>nd</sup> June, 2008.

Dr. Purvesh Patel attended “GIMACON 2008” at Vadodara on 21<sup>st</sup> and 22<sup>nd</sup> November, 2008.

#### **Skin And Venereal Diseases**

Drs. Rita Vora, Payal Shah and, Pragya Nair, attended 34<sup>th</sup> Annual state Conference “CUTICON-2008” on 20<sup>th</sup> and 21<sup>st</sup> December 2008. At the conference Dr. Rita Vora delivered a Guest lecture on “Approach to a Patient of Palmoplantar Keratoderma”.

Dr. Payal Shah presented an award paper on “A Clinical Study of Cutaneous Manifestations in Endocrinological Disorders”.

Dr. Pragya Nair presented a poster on “Epidermal Nevus Syndrome”

**National****Anaesthesiology**

Dr. Neeta Bose attended 2<sup>nd</sup> Infectious Disease National Conference held at Mumbai, organised by JJ Hospital on 27<sup>th</sup> February, 2009 to 1<sup>st</sup> March, 2009.

Dr. Hemlata Kamat attended 58<sup>th</sup> National Conference of Indian Society of Anesthesiologists, on "Form Protocols to Practice" organized by city branch and Department of Anaesthesiology at Dr. SN Medical College, Jodhpur (Rajasthan) from 26<sup>th</sup> to 29<sup>th</sup> December 2008.

**Anatomy**

Dr. Praveen Singh presented paper on "Oral Presentation of ML Web" and on "Introduction of Case Based Learning for Teaching Anatomy in a Conventional Medical School" in FAIMER fellowship programme on "Distance Learning" at CMC, Ludhiana on 18<sup>th</sup> and 19<sup>th</sup> January, 2009.

Dr. Praveen Singh gave a talk on "Overview of Pre-embryo" as a part of Microteaching Workshop on "Teaching Learning Methods In Health Profession's Education" at All India Institute of Medical Sciences at New Delhi on 11<sup>th</sup> November, 2008.

Dr. Praveen Singh participated in Joint National Conference on "Newer Frontiers in Medical Education" jointly organized by Medical Council of India and Padmashree Dr. DY Patil University at Navi Mumbai from 11<sup>th</sup> to 12<sup>th</sup> October, 2008.

**Biochemistry**

Dr. N Haridas delivered a lecture on "Dyslipidemias" at the National Conference on "Frontiers in Biological Sciences" organized by the Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar on 27<sup>th</sup> and 28<sup>th</sup> February, 2009. He also attended National Nutrition Conference on "Healthy Start: Maternal and Child Nutrition" organized by Gujarat Nutrition Cell, Gandhinagar on 15<sup>th</sup> January, 2009.

**Forensic Medicine**

Dr. CB Jani attended 30<sup>th</sup> Annual conference of Indian Academy of Forensic Medicine, at Indira Gandhi Government Medical College (IGGMC), Nagpur on 21<sup>st</sup> – 23<sup>rd</sup> February, 2009 and chaired a session on "Sexual Offences".

**Manibhai Shivabhai Patel Cancer Center**

Dr. C Haritha attended Mini-ASCO (American Society of Clinical Oncology) Meet at New Delhi on 29<sup>th</sup> and 30<sup>th</sup> November, 2008.

**Medicine**

Dr. Himanshu Pandya attended the pre conference CME and presented a paper on "Attitude of Entry Level Medical Students Towards Professionalism and Ethics" at the Conference of Associations of Physicians of India, "APICON 2009" at Greater Noida from 30<sup>th</sup> January to 1<sup>st</sup> February, 2009.

Dr. Ripal Shah attended 15<sup>th</sup> National CME on "Haematology and Haemato-Oncology" at Bombay Hospital, Mumbai in January, 2009. He also attended RAPICON – 2008, 14<sup>th</sup> Annual Conference of Railway Chapter of Association of Physicians of India at Railway Staff College, Vadodara, in June, 2008.

**Microbiology**

Drs. Suman Singh, Rupal Patel and Yagnesh Pandya attended CME on "An Update on Vaccines" and 32<sup>nd</sup> National Congress of Indian Association of Medical Microbiologists (IAMM), MICROCON 2008, at Armed Forces Medical College, Pune from 21<sup>st</sup> to 25<sup>th</sup> October, 2008. Drs. Suman Singh, Rupal Patel and Yagnesh Pandya presented paper on "Automation in Clinical Microbiology - Our Experience at a Rural Teaching Hospital"; Drs. Yagnesh Pandya, Naresh Mewada and Sunil Trivedi presented a paper on "Environmental Sampling-the Unappreciated Advantage" and Drs. Suman Singh, Sunil Trivedi and Mrs. Annama Wilson presented a paper on "Surveillance of Device Related Infections at a Teaching Hospital in Rural Gujarat."

Dr. Suman Singh attended conference on Medical Education at DY Patil Medical College on 11<sup>th</sup> and 12<sup>th</sup> October, 2008.

Dr. Sunil Trivedi and Mrs. Mudita Paliwal attended National Conference of TB association of India in New Delhi from 8<sup>th</sup> to 10<sup>th</sup> September, 2008.

**Obstetrics and Gynaecology**

Drs. LN Chauhan, Smruti Vaishnav, Nitin Raithatha presented a paper on "Re-laparotomy in Operative Cases" in National conference of Federation of Obstetrics and Gynecology Societies of India at Jaipur from 5<sup>th</sup> to 9<sup>th</sup> January, 2009.

Drs. LN Chauhan, Smruti Vaishnav, Maitri Patel, Chetna Vyas and Rakhee Patel presented a poster on "Chiranjivi Yojna: A Dream Come True for Underprivileged Women" and Drs. Smruti Vaishnav and LN Chauhan as co-authors presented paper on "Maternal and Perinatal Outcome in Cases of Very Severe Anemia" in the 1<sup>st</sup> National congress of State level Organisations of Gynecology and

Obstetrics Of Gujarat at Ahmedabad on 13<sup>th</sup> December 2008.

Dr. Smruti Vaishnav delivered a guest lecture on "Role Of Cervical Encirclage in Cervical Incompetence" in the 1<sup>st</sup> National congress on "Evidence based Obstetrics and Gynecology Practices" at Ahmedabad on 13<sup>th</sup> December, 2008.

Drs. Nitin Raithatha and Maitri Patel attended participated in a panel discussion in conference on "High Risk Pregnancy" at Federation of Obstetric and Gynaecological Societies of India (FOGSI), Pune from 29<sup>th</sup> to 31<sup>st</sup> August, 2008.

Dr. LN Chauhan attended conference on "Mind-Body Medicine" at Abu, Rajasthan from 26<sup>th</sup> to 28<sup>th</sup> July, 2008.

### **Ophthalmology**

Dr. D Saxena attended All India Ophthalmological Conference at BM Birla Auditorium, Jaipur from 5<sup>th</sup> to 8<sup>th</sup> February 2009.

Dr. SG Bhavsar attended National conference on "Mind-Body Medicine" at Mt. Abu from 26<sup>th</sup> to 30<sup>th</sup> July 2008.

### **Orthopaedics**

Dr. Saranjeet Singh gave a guest lecture at the 27<sup>th</sup> Annual Conference of North Zone Indian Orthopaedic Association (IOA) on "Industrial Accidents Of Hand" at Rohtak from 13<sup>th</sup> to 15<sup>th</sup> February, 2009.

### **Pathology**

Drs. Menka Shah and Trupti Joshi attended National Hematology Conference at Bombay Hospital, Mumbai from 24<sup>th</sup> to 26<sup>th</sup> January, 2009.

Drs. Monica Gupta, Keyuri Patel, Sanjay Chaudhari, Faruq Mulla, Munira Jhabuwala and Kalpesh Shah attended "National Cytology CME" at BJ Medical College, Ahmedabad from 13<sup>th</sup> to 18<sup>th</sup> November, 2008.

Drs. Gautam Shah, Dhaval Doshi, Ajay Kocher, Sanjay Chaudhary, Keyuri Patel and Menka Shah presented poster on "Fine Needle Aspiration Cytology Of Superficial Lymph Nodes - An Institutional Study of 150 Cases Over a Fifteen Month Period" and Drs. D Doshi, G Shah, N Doshi, T Joshi and M Shah presented a poster on "Carotid Body Tumour—A Case Diagnosed on Cytology" in Cytocon 2008: 38<sup>th</sup> Annual Conference of India Academy of Cytologist at BJMC, Ahmedabad on 16<sup>th</sup> November, 2008, which was awarded the 2<sup>nd</sup> Prize in its category.

### **Paediatrics**

Drs. Nikhil Kharod, Dipen Patel and Ankit Sinojia attended VII National Conference of "Growth and Development Chapter of Indian Academy of Paediatrics" at Mumbai from 19<sup>th</sup> to 21<sup>st</sup> September, 2008.

### **Physiology**

Dr. Hasmukh Shah attended "54<sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON 2008)" at Kasturba Medical College, Mangalore from 27<sup>th</sup> to 30<sup>th</sup> December, 2008.

### **Prevention and Social Medicine**

Dr. Shyamsunder attended National Annual Conference of Indian Association of Preventive and Social Medicine at Government Medical College, Aurangabad, Maharashtra from 27<sup>th</sup> to 29<sup>th</sup> January, 2009.

Dr. Donald Christian attended Indian Association of Preventive and Social Medicine Conference (IAPSM CON) and presented a poster on "Various Factors affecting School Children Health in a Rural Primary School of Anand District" at Government Medical College, Aurangabad on 21<sup>st</sup> – 23<sup>rd</sup> January, 2009 .

Dr. Shyamsunder attended a seminar on "Asbestosis" at Ahmedabad on 20<sup>th</sup> January, 2009.

### **Radio-diagnosis**

Dr. Parul Thakkar attended Ultrafest 2009 Conference at Mumbai from 26<sup>th</sup> to 28<sup>th</sup> February, 2009.

Dr. D Mehta delivered a Guest Lecture on "Radiological Features of Various Pathologies at the Cranio-Vertebral Junction" and presided a scientific paper session as co-chairman. He also presented a paper on "Portal Hypertension: Do Aetiologies Have Specific Doppler Signature?" in the 62<sup>nd</sup> annual conference of Indian Radiological and Imaging Association (IRIA) at Patna from 7<sup>th</sup> to 11<sup>th</sup> January, 2009. Dr. Mehta also attended 11<sup>th</sup> Annual National Conference of Indian Society of Vascular and Interventional Radiology (ISVIR) at Mumbai from 31<sup>st</sup> October 2008 to 3<sup>rd</sup> November, 2008.

### **Skin and Venereal Diseases**

Drs. Rita Vora, Pragya Nair, attended 37<sup>th</sup> National conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), DERMACON 2009 on 8<sup>th</sup> and 9<sup>th</sup> January, 2009 where Dr. Rita Vora chaired two scientific sessions and presented a poster on "Circumferential Skin Folds in a Child – a Rare Case of Michelin- Tire Baby Syndrome"



Dr. Pragya Nair presented a poster on “A Case of Tuberous Sclerosis Complex- Multiple Shagreen Patches with Multiple Organ Involvement”.

Drs. Rita Vora, and Pragya Nair attended CME on “Recent Advances in Dermatology” at Bangalore on 7<sup>th</sup> January, 2009.

Dr. Pragya Nair attended CSI conference on 16<sup>th</sup> and 17<sup>th</sup> August, 2008

#### **TB and Chest**

Drs. Purvesh Patel attended and Rajiv Paliwal chaired a session on “Multiple Uses of Convex Endobronchial Ultrasound” in National Conference of Bronchology, Broncocon 2009 on “Advanced Bronchoscopy” at Aurangabad from 23<sup>rd</sup> to 25<sup>th</sup> January, 2009.

Dr. Purvesh Patel attended the 10<sup>th</sup> National Conference on Pulmonary Diseases, NAPCON-2008 at Lucknow from 6<sup>th</sup> to 9<sup>th</sup> November, 2008

Dr. Rajiv Paliwal was invited as a national faculty at the 10<sup>th</sup> National Conference on “Pulmonary Diseases”, NAPCON2008” at Lucknow from 6<sup>th</sup> to 9<sup>th</sup> November, 2008. He also delivered a talk as a faculty on “Interpretation of Pulmonary Function Tests with the Special Emphasis on Obstructive Airway Diseases” in a symposium on asthma and attended workshops on “Revised National Tuberculosis Control programme” and “Non invasive Ventilation and Spirometry.”

Dr. Rajiv Paliwal presented a paper on “Looking Beyond DOTS to Improve the Compliance” on 10<sup>th</sup> September, 2008 in 1<sup>st</sup> International conference of South East Asia Region (The Union) and 63<sup>rd</sup> National conference of TB and Chest Diseases (SEAR-NATCON 2008), held in Delhi from 8<sup>th</sup> to 10<sup>th</sup> September, 2008.

#### **International**

##### **Manibhai Shivabhai Patel Cancer Center**

Dr. C Haritha attended international Lymphoma-Leukemia update in Mumbai in March, 2009.

Shri. G Senthil attended international conference: Medical Physics–2008 on “Comparison of CT Based Interstitial HDR Brachy Therapy in Carcinoma Cervix using MUPIT Template” at Mumbai from 26<sup>th</sup> to 29<sup>th</sup> November, 2008.

Dr. V Shankar attended and presented poster in conference of American Society of Therapeutic Radiology and Oncology (ASTRO) at Boston from 21<sup>st</sup> to 25<sup>th</sup> September, 2008.

#### **Medicine**

Dr. Kishor Viradiya attended Critical Care Congress and 15<sup>th</sup> National Conference of Indian Society of Critical Care Medicine ( CRITICARE 2009) from 18<sup>th</sup> to 22<sup>nd</sup> February, 2009 at Agra and presented a poster on “Study of Medical Complications in Critically Ill Obstretic Patients at Rural Tertiary Care Hospital in Gujarat”. Dr. BS Vaishnav and Dr. SB Vaishnav were the co- authors.

Dr. Himanshu Pandya attended International Update on “Excellence in Medical Education for Best of Health Care to Under-served” and presented a paper on “Attitude of Undergraduate Students Towards Mini-CEX as Assessment Tool for Clinical Clerkship in Medicine” at Sevagram, MGIMS on 12<sup>th</sup> - 13<sup>th</sup> September, 2008

#### **Microbiology**

Dr. Sunil Trivedi and Mrs. Mudita Paliwal attended the conference and presented a paper on “Multi-drug Resistance Among Treatment Failure and Relapse Cases of Pulmonary Tuberculosis in Rural Gujarat, India” in National Conference of TB association of India and International conference of South East Asia Region (SEAR) - International Union Against Tuberculosis and Lung Disease (IUATLD) from 8<sup>th</sup> to 10<sup>th</sup> September, 2008.

#### **Obstetrics and Gynaecology**

Dr. Smruti Vaishnav as co author presented a poster in International Critical Congress and 15<sup>th</sup> Annual National conference of Indian Society of Critical Medicine (CRITICSRE-2009) in Agra from 18<sup>th</sup> to 22<sup>nd</sup> February, 2009.

Dr. Nitin Raithatha attended conference on “Ethical Issues in International Medical Research” at Vadodara from 21<sup>st</sup> to 23<sup>rd</sup> November, 2008.

#### **Ophthalmology**

Drs. Harsha Jani and SG Bhavsar attended conference on “Advances in Ophthalmology” at World Trade Centre, Mumbai from 22<sup>nd</sup> to 24<sup>th</sup> August 2008.

#### **Orthopaedics**

Dr. Mihir Dholakia went to Phuket, Bangkok for AO Advanced Trauma Symposium on “Latest Developments in Trauma Fixation Methods” from 19<sup>th</sup> to 24<sup>th</sup> November, 2008.

#### **Pathology**

Dr. Trupti Joshi attended an International CME on “Surgical Pathology Cytology and Hematology” at Agra from 2<sup>nd</sup> to 6<sup>th</sup> February, 2009.

**Pharmacology**

Drs. Barna Ganguly and Prashant Gupta presented poster on "Awareness of Dysglycemia and ECG Changes by Fluoroquinolones among Clinicians" in the 27<sup>th</sup> Annual Conference of Indian Pharmacological Society at Rajkot on 1<sup>st</sup> February 2009.

Dr. Barna Ganguly as resource person attended seminar on "Ethical Issues in International Medical Research" organised by USF (Health University of South Florida) and Medical College at Vadodara from 21<sup>st</sup> to 23<sup>rd</sup> November, 2008.

**Physiotherapy**

Drs. Lata Parmar and Daxa Mishra attended "The World Confederation of Physical Therapists (WCPT)- Asia West Pacific (AWP) and Indian Association of Physiotherapists ( IAP ) Congress – 2009 from 22<sup>nd</sup> to 25<sup>th</sup> January, 2009.

**Preventive and Social Medicine**

Dr. Shyamsundar attended a seminar on "Prevention and Control of Non-Communicable Diseases" and an interactive programme on "Research in Non-communicable Diseases" organised by Madras Diabetes Research Foundation (MDRF) in association with University of Alabama at Birmingham (UAB) at Madras Diabetes Research Foundation, Chennai from 27<sup>th</sup> to 29<sup>th</sup> March, 2009. It was also supported by National Institute of Health, USA, WHO and the Government of India.

Dr. Dinesh Kumar attended winter symposium at Christian Medical College, Vellore and put up a poster titled 'Investigation of Hepatitis Outbreak in Edyansathu Village in South India, from 22<sup>nd</sup> to 24<sup>th</sup> January, 2009.

**Radio-diagnosis**

Dr. Diva Shah attended International European Congress of Radiology (ECR-2009) from 6<sup>th</sup> to 10<sup>th</sup> March 2009, Vienna-Austria Europe.

Dr. Mihir Dave attended 94<sup>th</sup> Radiological Society of North America (RSNA) International Conference held at Chicago United States of America on 29<sup>th</sup> November, to 5<sup>th</sup> December, 2008.

**TB and Chest**

Drs. SN Patel and Rajiv Paliwal attended First International Conference of South East Asia Region (The Union) and 63<sup>rd</sup> National Conference of Tuberculosis and Chest disease (SEAR – NATCON 2008) organized by Tuberculosis Association of India from 8<sup>th</sup> to 10<sup>th</sup> 2008.

## Papers Published

**Anesthesiology**

Patel Alpa, Kharod Utpala, Agrawal Sanjay; "A Near Fatal Complication Following Irrigation with Glycine Chloride During Transcervical Resection of Endometrium (TCRE)". (Under peer review and accepted for Editorial Correspondence) *Journal of Anaesthesiology and Clinical Pharmacology* (www.joacp.org), October, 2008; 24, No: 04 ISSN- 0970-9185.

Patel Alpa, Sanwatsarkar Sadhana, Desai N, Suwalka Usha; "Comparison of Epidural Midazolam with Buprenorphine For Post-Operative Analgesia"; *Indian Journal of Anaesthesiology (Under peer review)*.

**Forensic Medicine**

Jani CB; "Brand Endorsement by Medical Association: Who Will Hit the "Bull's Eye?"; *Journal of Indian Academy of Forensic Medicine*; April-June 2008, 30/2; 61-62

Jani CB, Gupta Sanjay, Barot Hitendra, Gadhavi Jaydip; "Retrospective Study of Cases of Drunkenness with Emphasis on Procedure and Interpretation of Results"; *Journal of Indian Academy of Forensic Medicine*; July – September, 2008; 30/3; 128-135

Jani CB ; Indigenous "Reference Atlas Cum Database for Age Estimation"; *Journal of Indian Academy of Forensic Medicine*; October - December 2008; 30/4; 184-185

Gupta Sanjay, Vaishnav Hitesh; "Dyadic Diwali"; *Journal of Indian Academy of Forensic Medicine*; April-June, 2008; 30/2; 75-78

Gupta Sanjay, Rathore Dinesh, Mehta Ritambhara, Dave Kamlesh, Oswal Rajat; "Nicotine Consumption and Schizophrenia: a Correlation Study"; *International Journal of Medical Toxicology and Legal Medicine*; July – September, 2008; 11/1; 6-11

Gupta Sanjay, Vaishnav Hitesh, Gadhavi Jaydip; "Establishment of An Identity: a Challenge in Mass Disaster"; *Journal of Indian Academy of Forensic Medicine*; October-December 2008; 30/4; 224-226

Gupta Sanjay, Jani CB; "Oxygen Cylinders: 'Life' or 'Death' ?"; *African Health Sciences*; January - March, 2009; 9/1; 57-60

**Manibhai Shivabhai Patel Cancer Center**

Haritha C; "Volumetric Modeling of Irradiated Heart and Lung Volumes in Post-Mastectomy Tangential

Beam Radiation Therapy"; *International Journal of Radiation Oncology, Biology, Physics*, Vol. 72/ No.1/S-478

Shankar V; "Implant Motion During High Dose Rate Interstitial Brachytherapy in Cervical Cancer – Does It Really Matter"; *International Journal on Radiation Oncology, Biology, Physics*; Supplement 2008 Vol. 72, No.1; S-363

Trivedi HL, Vanikar AV, Thakker U, Firoze A, Dave SD, Patel CN, Patel JV, Bhargava AB, Shankar V; "Human Adipose Tissue Derived Mesenchymal Stem Cells Combined with Hematopoietic Stem Cell Transplantation Synthesize Insulin."; *Transplant Proceedings*, 01 MAY 2008; 40(4):1135-9.

G Senthil, S Muthulingam, V Shankar; "Comparison of CT Based Interstitial Brachytherapy in Carcinoma Cervix Using MUPIT Template"; *Journal of Medical Physics*, November 2008, Supplement.

#### **Medicine**

Ghosh Sarmishtha, Pandya Himanshu; "Implementation of Integrated Learning programme in Neurosciences During First Year of Traditional Medical Course: Perceptions of Students and Faculty"; *BMC Medical Education*; 2008; 8:44

Ghosh Sarmishtha, Pandya Himanshu; "Sensitizing Faculty to Problem Oriented Approach as An Instructional Method: Experience of a Brief Faculty Development Workshop"; *National Medical Journal of India*; 2008; 21/5

Vaishnav Bhalendu; "Uncomplicated Malaria: Clinical Epidemiology and Clinical Features"; *Current Medical Journal of Indi*; August 2008; Vol. XIV/5; 49-57

Vaishnav Bhalendu; "National Drug Policy on Malaria"; *Current Medical Journal of India*; October, 2008, Vol XIV/ 7, pp55-57

Vaishnav Bhalendu; "Lifestyle Measures for Non Communicable Disease"; *Current Medical Journal of India*., November, 2008 Vol XIV/ 8; 7

#### **Microbiology**

Singh S, Pandya Y, Rathod J, Trivedi S; "Bilateral Breast Abscess: a Rare Complication of Enteric Fever"; *Indian Journal of Medical Microbiology*; 2009; 27(1): 69-70

Singh S, Trivedi S, Pal M; "Prevalence of Fungal Infections in HIV Patients"; *Gujarat Medical Journal*, 2009; 4(2):33-36.

#### **Obstetrics and Gynecology**

Vaishnav Smruti; "Role of Lifestyle Modification in Patients of Polycystic Ovarian Syndrome"; *Current Medical Journal*; January 2009; Vol. XIV/10; 11-17

#### **Pathology**

Patel Keyuri, Gupta G, Shah Menka; "Cytodiagnosis of Malignant Mesothelioma on Usg Guided Fine Needle Aspiration Cytology Case Report"; *Gujarat Medical Journal*; February 2009; Issue: 2/ Vol. 4; 74

#### **Pharmacology**

Mirza Nazima, Desai Sagun, Ganguly Barna; "Prescribing Pattern in a Pediatric Out-Patient Department in Gujarat"; *Bangladesb Journal of Pharmacology*; 2009; 4

Gajjar Bharat; "Modern Medicines in Drinking Water"; *An Introduction to Environmental Pharmacology*; March 2009.

#### **Preventive and Social Medicine**

Singh Uday Shankar; "A Cross Sectional Study on the Physical Discomfort Among Occupational Computer Users"; *Indian medical Gazette*; January, 2009 Vol. CXLIII/No.1; 18-21

Bhanderi Dinesh; "A Study of Occurrence of Domestic Accidents in Semi-Urban Community"; *Indian Journal of Community Medicine*; April-June 2008; Vol. 33/2.

Bhanderi Dinesh; "Facial Rashes in Computer Operators"; *Indian Medical Gazette*; June 2008; Vol. 142/6

#### **Psychiatry**

Sharma Himanshu; "Study of Social Anxiety Disorder Among Medical Students"; *Eastern Journal of Psychiatry*; February – August 2008; Volume II/ 172

#### **Skin and VD**

Vora Rita; "Urticaria- Plan of Investigations"; *Quatraderm- a quarterly Scientific Publication of Indian Association Dermatologists, Venereologists and Laprologists*; July 2009; Issue 71

Vora Rita; "Aetiopathogenesis of Androgenic Alopecia"; *Quatraderm- a Quarterly Scientific Publication of Indian Association Dermatologists, Venereologists and Laprologists*; Dec 2008; Issue 72

Nair Pragya; "Androgenic Alopecia in Females"; *Quatraderm- a quarterly Scientific Publication of Indian Association Dermatologists, Venereologists and Laprologists*; Dec 2008; Issue 72.

## *Awards and Recognitions*

### **Anatomy**

Dr. Raksha Bhatt and Dr. Praveen R Singh nominated as members Executive Committee of Gujarat Chapter of Anatomical Society of India.

Dr. Praveen R Singh selected as a Fellow for Two year Fellowship Programme (2008-2009) in "Foundation For Advancement Of International Medical Education And Research (FAIMER)" at Christian Medical College, Ludhiana.

Dr. Praveen R Singh has completed Ph.D (Anatomy) from Gujarat University, Ahmedabad on the topic entitled "Dermatoglyphic Pattern In Congenital Heart Diseases" in March 2009.

### **Central Research Services**

Ms. Jaishree Ganjiwale is selected by Christian Medical College, Ludhiana Regional Institute for the FAIMER (Foundation for Advancement of International Medical Education and Research) for fellowship programme – 2009.

Ajay Phatak completed Masters in Public Health from Hebrew University, Jerusalem, Israel in September, 2008.

### **Clinical Administration**

Dr. Sajan Nair attended National Accreditation Board for Hospitals and Healthcare Providers (NABH) Training Course from 6<sup>th</sup> to 10<sup>th</sup> June and got NABH Assessorship.

Dr. Sajan Nair completed M. Phil. (Hospital and Health Systems Management) in February 2009.

### **Forensic Medicine**

Dr. Sanjay Gupta appointed as "Reviewer of International Journal African Health Sciences".

Dr. Sanjay Gupta appointed as "Member of Advisory Board" of Journal of Indian Academy of Forensic Medicine.

### **Manibhai Shivabhai Patel Cancer Center**

Dr. V Shankar has been nominated as a member of the Editorial Board of Contemporary Journal of Brachytherapy, Poland.

Poster at the 2008 American Society of Therapeutic

Radiology and Oncology (ASTRO) conference at Boston, USA is selected for "ARRO Poster Walk session with a Professor". This is one of the 10 papers selected from 800 posters in the conference. The selected posters in these sessions are used for teaching the American Radiation Oncology residents about newer principles of practice.

### **Medicine**

Dr. HV Pandya was elected as the Honorary Secretary of the Association of Physicians of Gujarat for the Year 2009.

Dr. HV Pandya was selected for the Shrimad Jaisingbapa Sadguru Rotating Lecturership for the year 2008 presented by Association of Physicians of Gujarat at its Annual Conference on 27<sup>th</sup> December 2008 for his contribution in the field of medical education.

Dr. HV Pandya selected for FAIMER/WFME (Foundation for Advancement International Medical Education and Reseach/World Federation for Medical Education) Distance Learning Module in 'Standards in Medical Education'. Professional developments in the field of Medical Education highlighted on website of Foundation for Advancement International Medical Education.

Dr. Bhalendu Vaishnav was appointed as the Chairperson of Sri Aurobindo Chair of Integral Studies, Sardar Patel University, Vallabh Vidyanagar in December 2008.

Dr. Bhalendu Vaishnav invited as the Chief guest of the 5<sup>th</sup> Annual day celebrations of the Waymade College of Education, Vallabh Vidyanagar on 20<sup>th</sup> March, 2009.

Dr. Bhalendu Vaishnav was invited as the Guest editor of a special issue on 'Lifestyle Measures for Non-communicable Diseases' by the Current Medical Journal of India in November 2008.

Dr. Bhalendu Vaishnav nominated as the member of Vidyalaya Management Committee of Kendriya Vidyalaya, Vallabh Vidyanagar.

Dr. Sanket Sheth was selected as Physician Responsible for AIDS case surveillance and Management (PRAM) by Gujarat state AIDS Control Society.

### **Obstetrics and Gynaecology**

The department received an appreciation certificate for work carried out under the Chiranjivi Yojna at the district level by Commissioner of Health and Government of Gujarat.

Best Speaker prize won at the State Annual Conference debate level by Dr. Manoj Patel, resident doctor.

Dr. Nitin Raithatha was awarded a scholarship for online course by AIDS International Training and Research programme (AITRP)–University of South Florida (USF) on research methodology for adolescent HIV.

### **Paediatrics**

Dr. Nikhil Kharod was invited to train 32 trainers of Anganwadi workers from three districts of Bihar (Muzzafarpur, Samastipur and Darbhanga) from 17<sup>th</sup> to 19<sup>th</sup> January, 2009 at Patna on “Essential Newborn Care at Community Level”. With support from ‘Care-India’ a Hindi translation of a manual on essential newborn care for health workers, co-authored by Dr. Shashi Vani, Dr. Nikhil Kharod and Dr. Rajesh Mehta (all of Pramukhswami Medical College, Karamsad), was released.

Dr. Somashekhar Nimbalkar was appointed West Zone Coordinator (Indian Academy of Paediatrics Pediatric Advanced life support (PALS) for 2009-2010.

Dr. Somashekhar Nimbalkar was appointed Joint West Zone Coordinator (Indian Academy of Paediatrics-(FGM).

Dr. Somashekhar Nimbalkar as Faculty for Indian Academy of Paediatrics Goldenhour Emergency Management Course.

Dr. Somashekhar Nimbalkar as Course Coordinator for Indian Academy of Paediatrics Fellowship in Neo-natology.

### **Pharmacology**

Dr. Barna Ganguly developed a curriculum on “Ethics” for under graduate medical course following ICMR NIH Bioethics training programme and submitted to ICMR as one of the models which was also implemented in 1<sup>st</sup> MBBS.

Dr. Bharat Gajjar moderated as an expert, two discussions entitled “Modern Medicines in Drinking Water” and ‘Integrated teaching in Medical Curriculum’ on NetRUM (Network for Rational use of Medicines), yahoo e-group of like minded rationalists who have a common cause and concern towards promoting rational use of medicines.

### **Preventive and Social Medicine**

Dr. Tushar Patel received a certificate and award at state level for his commendable work in the improvement of Routine Immunization by Monitoring under the State Routine Immunization Monitor for Anand by Health Commissioner, Health and Family Welfare on 7<sup>th</sup> April, 2009.

### **Skin and VD**

Dr. Rita Vora is selected as Executive Member of State Committee of Indian Association of Dermatologists, Venerologists and Leprologists (IADVL) for the year 2009-2010.

Dr. Rita Vora was appointed as a Scientific Committee Member for Dermazone 2009 (West zone Conference of Indian Association of Dermatologists, Venerologists and Leprologists (IADVL)- 5 States).

## The Faculty

### Dean

Dr. Utpala N Kharod

### Anaesthesiology

Dr. Hemlata V Kamat  
 Dr. Pranoti M Patel  
 Dr. Heena S Patel  
 Dr. Neeta Bose  
 Dr. Alpa M Patel  
 Dr. Madhavi Chaudhari  
 Dr. Arvind C Patel  
 Dr. Asmita Chaudhary  
 Dr. Ushma V Parikh  
 Dr. Rinku S Arora  
 Dr. Nupur K Oza  
 Dr. Gurpreet K Pansesar  
 Dr. Vaibhavi Javeri  
 Dr. Bharti R Rajani

### Anatomy

Dr. Raksha Bhatt  
 Dr. Rohini V Routal  
 Dr. Praveen R Singh  
 Dr. Sumati Khanna  
 Dr. Bhaskar Patel  
 Dr. Parul S Damor  
 Dr. Ritesh B Patel  
 Dr. Mohmed Soeb A.J.  
 Dr. Amit C Rathod

### Biochemistry

Dr. N Haridas  
 Dr. S Ghosh  
 Dr. KJ Mathai  
 Dr. Hiteshkumar N Shah  
 Dr. Kiran P Chauhan  
 Mr. Amit P Trivedi

### Dentistry

Dr. Nikita Goyal  
 Dr. Sindhu R Dodamani  
 Dr. Supriya S Tiwari  
 Dr. Snehal R Vandra

### Forensic Medicine

Dr. Chetan B Jani  
 Dr. Sanjaykumar K Gupta  
 Dr. Hitesh Vaishnav  
 Dr. Chirag K Pithiya

### ENT

Dr. Girish Mishra  
 Dr. Yojana Sharma  
 Dr. Hiren D Soni  
 Dr. Nimesh Patel  
 Dr. Siddharth Shah

### Specialists

Shri Sunil Bhatt  
*(Audiologist/Speech Therapist)*  
 Shri Hemant Patel  
*(Audiologist/Speech Therapist)*

### Community Medicine

Dr. Uday Shankar Singh  
 Dr. Dinesh Bhandari  
 Dr. Nayanjeet Chaudhury  
 Dr. Deepakkumar B Sharma  
 Dr. Tushar A Patel  
 Ms. Jaishree Ganjiwale  
 Dr. Dinesh Kumar  
 Dr. Nila Nanavati  
 Dr. Manisha K Gohel  
 Mr. Prakashkumar D Naik  
 Mrs. Usha D Patel

### Medicine

Dr. Jyoti G Mannari  
 Dr. Himanshu Pandya  
 Dr. Bhalendu S Vaishnav  
 Dr. Shishir Gandhi  
 Dr. Alpa Leuva  
 Dr. Ajay K Mishra  
 Dr. Sanket P Sheth  
 Dr. Ripal L Shah  
 Dr. Devangi S Desai  
 Dr. Kishor J Viradiya  
 Dr. Labani M Ghosh

### Specialists

Dr. Kaushik K Trivedi  
*(Cardiologist)*  
 Dr. Anil Ganju *(Nephrologist)*  
 Dr. Sishir Gang *(Nephrologist)*

### Microbiology

Dr. Sunil S Trivedi  
 Dr. Sajjan S Nair  
 Dr. Suman P Singh  
 Dr. Yagnesh G Pandya  
 Dr. Rupal M Patel  
 Mrs. Mudita Paliwal  
 Dr. Chirag P Patel

### Obstetrics & Gynaecology

Dr. LN Chauhan  
 Dr. Smruti Vaishnav  
 Dr. Rama G Shrivastava  
 Dr. Maitri Patel  
 Dr. Nitin S Raithatha  
 Dr. Nipa A Modi  
 Dr. Chetna S Vyas  
 Dr. Rakhee A Patel  
 Dr. Swati M Patel

### Ophthalmology

Dr. Harsha C Jani  
 Dr. Samirchandra Bhavsar  
 Dr. Devendra Saxena  
 Dr. Chaitali Patel

### Specialist

Dr. Madhavi Sheth  
*(Retinal Surgeon)*

### Orthopaedics

Dr. Ashok Vaishnavi  
 Dr. Ramesh Panchal  
 Dr. Setul Patel  
 Dr. Amit Patel  
 Dr. Mihir B Dholakia  
 Dr. RL Chhangani  
 Dr. Ramakant B Tibra  
 Dr. Vivek A Patel  
 Dr. Saranjeet Singh

### Specialists

Dr. Yogendrasingh Pundir  
*(Spine Surgeon)*  
 Dr. Veerendra Shandilya  
*(Ortbotic Engineer)*

### Paediatrics

Dr. Shashi Vani  
 Dr. Nikhil Kharod  
 Dr. Somashekhar N Nimbalkar  
 Dr. Krutika R Tandon  
 Dr. Lopa K Dalal

### Physiology

Dr. SK Singh  
 Dr. Ashok Raman Nair  
 Dr. Vivek Verma  
 Dr. Wasim A Shaikh  
 Dr. Minal C Patel  
 Dr. Archana S Nimbalkar  
 Dr. Hasmukh D Shah

**Pathology**

Dr. Menka H Shah  
 Dr. Keyuri B Patel  
 Dr. Monica Gupta  
 Dr. Sanjay N Chaudhari  
 Dr. Neena P Doshi  
 Dr. Trupti J Joshi  
 Dr. Faruq I Mulla  
 Dr. Kirti M Rathod  
 Dr. Munira F Jhabuawala  
 Dr. Kalpesh H Shah  
 Dr. Tarunkumar P Kotadiya  
 Dr. Nargis M Vahora

**Pharmacology**

Dr. Barna Ganguly  
 Dr. Bharatkumar M Gajjar  
 Dr. Nazima A Mirza  
 Dr. Anuradha Joshi  
 Dr. Alpa P Gor  
 Dr. Nilesh H Patel  
 Shri UD Panchakshari

**Psychiatry**

Dr. Himanshu Sharma  
 Dr. Nimisha Desai

**Radiology**

Dr. Chandra Raychaudhari  
 Dr. Jaydeep Doshi  
 Dr. Jayesh K Bhatt  
 Dr. Diva Shah  
 Dr. Deepak Mehta  
 Dr. Parul J Thakkar  
 Dr. Mihir P Dave  
 Dr. Viraj N Shah  
 Dr. Viral V Patel

**Skin and Venereal Diseases**

Dr. Rita V Vora  
 Dr. Pragya A Nair  
 Dr. Nishit A Bodiwala

**Surgery**

Dr. Shirish H Srivastava  
 Dr. Sharadchandra Shah  
 Dr. Jitesh Desai  
 Dr. Chirayu M Chokshi  
 Dr. Paresh Patel  
 Dr. Jignesh B Rathod  
 Dr. Vipul D Yagnik

Dr. Sunil M Vyas  
 Dr. Apurva A Patel  
 Dr. Jayesh Patel

**Specialists**

Dr. Suresh Nayak  
*(Neuro Surgeon)*  
 Dr. Paresh Modi  
*(Neuro Surgeon)*  
 Dr. Sumit Kapadia  
*(Vascular Surgeon)*  
 Dr. Vijaysingh Thakore  
*(Vascular Surgeon)*  
 Dr. Sandeep Sharma  
*(Plastic Surgeon)*  
 Dr. Sameer Raval  
*(Plastic Surgeon)*  
 Dr. Jayul Kamdar  
*(Paediatric Surgeon)*  
 Dr. Amit N Chaddha  
*(Uro Surgeon)*

**TB & Chest**

Dr. Sateeshkumar N Patel  
 Dr. Rajiv P Paliwal  
 Dr. Purvesh V Patel

**Specialist**

Dr. Manoj D Yadav  
*(Pulmonarologist)*

**Trauma & Emergency Care Centre**

Dr. Mukesh M Patel  
 Dr. Jignesh G Parmar  
 Dr. Sejal V Raval  
 Dr. Arunkumar R Varun  
 Dr. Jaiprakash Mehta  
 Dr. Ingit M Parmar  
 Dr. Urvashi R Panchal  
 Dr. Bhavin S Sharma  
 Dr. Rajivkumar Damor  
 Dr. Varunkumar C Patel  
 Dr. Kalpana H Patel  
 Dr. Nargis M Vahora  
 Dr. Maksud K Shaikh

**BM Patel Cardiac Centre**

Dr. Dhirendrakumar J Dave  
 Dr. Sunil Thanvi  
 Dr. Gaurav G Goel  
 Dr. Kunal Soni

Dr. Sandhya Nair  
 Ms. Leena J Mudaliyar

**GH Patel School of Nursing**

Mrs. KS Masurkar  
 Mrs. Sushma C Kapadia  
 Mrs. Trusha V Patel  
 Mrs. Nila B Darji  
 Ms. Raksha G Parmar  
 Shri HB Suthar  
 Ms. Vandana D Shrimali  
 Ms. Priti J Solanki  
 Ms. Anna Daniel Rao  
 Ms. Bhavna C Chavda  
 Ms. Kailash Patel  
 Ms. Suryabala K Christian  
 Ms. D A Mirza

**KM Patel Institute of Physiotherapy**

Dr. Lata D Parmar  
 Dr. Daxa B Patel  
 Dr. G Palani Kumar  
 Dr. M Moorthy  
 Dr. B Anishadevi  
 Dr. Deepak Ganjiwala  
 Dr. Sangeeta D Macwan  
 Dr. Ruchita Chavda  
 Dr. Swati Patel  
 Dr. Sanket K Parekh  
 Dr. Kamlesh Vaghela  
 Dr. Preksha M Shah  
 Dr. Shlesha G Shah  
 Dr. Gayatri R Chaudhari  
 Dr. Dilar A Rana  
 Dr. Nilesh V Trada  
 Dr. Ashma M Desai

**MS Patel Cancer Centre**

Dr. VRKG Shankar  
 Dr. Chiramana Haritha  
 Dr. Pradeep R Shah  
*(Onco Physician)*  
 Dr. Rajiv Bhatt *(Onco Surgeon)*  
 Dr. Jignesh Parmar

# *The Management Team*

## **Chief Executive Officer**

Shri Sandeep Desai

## **CEO's Office**

Dr. Neelofar M Sayed

## **Accounts**

Shri MH Shah

Shri KJ Suthar

Shri Minesh J Shah

Ms. Shainey Varghese

## **Personnel and Administration**

Shri KP Jaiswal

Shri NM Panchal

Ms. Archana V Gupta

Shri S Ramanathan

Shri RB Prajapati

Ms. Juhi Upadhyay

Shri KN Gohil

## **Hospital Administration**

Shri TA Manavalan

Shri Bipinchandra S Patel

Shri Vilsan J Vaghela

## **Extension Projects**

Shri Pragnesh Gor

Shri Vimal K Singh (Krupa)

Dr. Alpesh R Patel

## **Medical Record**

Shri Tiju Thomas

Ms. T Vishnu Vallabi

## **Fund Raising**

Ms. Aparnaben K Jani

## **Public Relation**

Ms. Sangeeta P Nair

## **Research**

Shri Ajay Phatak

Ms. Dhara Antani

## **Marketing**

Shri Shantanu Ganguly

Dr. Ruchi Kanhere

Shri Abhishek Sharma

## **College Administration**

Shri G Rajan

Shri P Daniel A Kumar

## **Library**

Mrs Meena P Patel

## **Maintenance**

Shri Shrirang Puntambekar

Shri Pranav G Dave

Shri Hasmukhray G Bhuva

Shri Dilip V Patel

Shri Rasiklal M Patel

Shri Shabin M Shaikh

## **Project**

Shri Viren Desai

Shri Snehal R Talati

Shri Bhavesh D Panchal

## **Material Management**

Shri RR Ubgade

Shri Pankaj C Raj

Shri VB Jani

Shri Dineshkumar M Patel

Shri JS Bhatt

Shri Ullas R Oza

Ms. Kavita Singh

Ms. Leena Thadani

## **Systems**

Shri Rakeshkumar S Parmar

Shri Mukesh K Katiyar

Shri Nikhil M Makwana

Shri Maheshkumar W Parmar

Ms. Sejal H Shah

Shri Nilang J Naidu

Shri Nayan M Dave

## **Management Support Group**

Shri Manoj Roy

Ms. Shivkanya Birla

Dr. Abhishek Soni

Ms. Aditi Khandelwal

Ms. Divya Gautam

Ms. Vartika Vaish

Shri Shashank Tiwari



## *Donors for the Year 2008-2009*

### **Rs. 10,00,000 and more**

Elecon Engineering Company Ltd., Vallabh Vidyanagar  
 Power Build Ltd., Vallabh Vidyanagar  
 EIMCO Elecon (India) Ltd., Vallabh Vidyanagar  
 Manibhai & Brothers Chritable Trust, Ahmedabad  
 Vandana & Atulkumar Jashbhai Amin, Bakrol  
 Ravi & Naina Patel Foundation, California, USA  
 Speciality Wood Pack Pvt. Ltd., Vallabh Vidyanagar

### **Rs. 5,00,000 and more**

Amlan Shah, Dubai, UAE  
 C.C. Patel, Sandesar

### **Rs. 2,00,000 and more**

Sir Ratan Tata Trust, Mumbai  
 Sardar Patel Trust, Karamsad  
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 Charotar Gramoddhar Sahakari Mandal, Vallabh Vidyanagar

### **Rs. 1,00,000 and more**

Sai Shruti Charitable Trust, Middlesex, U K  
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 Dr. Nirmalaben Desai, Vallabh Vidyanagar  
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 Kamalaben Chhotabhai Patel, Vallabh Vidyanagar  
 Dr. Babubhai R Patel, Vadodara  
 Chaitanyaben Pramodbhai Patel, Bhadran  
 Kalavatiben Jashbhai Patel, Dharmaj  
 Nisha Da Cunha, Mumbai  
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Dahyabhai Bhailalbhai Patel, Narsanda  
 Jitendrabhai & Suhasben Shah, Vadodara  
 Jyotsnaben K Jhaveri, Vadodara  
 Prof. Shantibhai M Amin, Vallabh Vidyanagar  
 Shantaben Shankarbhai Patel, Karamsad  
 Susma Chatterjee, Vadodara

### **Rs. 50,000 and more**

Dr. Amrita Patel, Vallabh Vidyanagar  
 Janardan G Amin, U S A  
 Pushpaben Chaitanya Patel, U S A  
 Kalpesh Nandubhai Patel, Vallabh Vidyanagar  
 Nagar Chasmaghar, Ahmedabad  
 C B Patel, Anand  
 Rasikbhai Patel, Bhadran  
 Kanubhai Babarbhai Patel, Vallabh Vidyanagar  
 Sudhakar Bhandari & Noel A Christian, Karamsad

### **Rs. 25,000 and more**

Prabhulal Ranchhodbhai Patel, Ahmedabad  
 Arunbhai Maneklal Zaveri & Sons, Ahmedabad  
 Sarojben Mannari, Anand  
 Pravinbhai A Patel, Anand  
 Mamta Parikh, Vadodara  
 GMM Pfaudler Ltd., Karamsad  
 Arvindbhai Ambalal Patel, Karamsad  
 Mr. & Mrs. Deo, Middlesex, U K  
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 Minakshi U Patel, Vallabh Vidyanagar  
 Twenty First Century Castings, Vitthal Udyognagar  
 Mahendrabhai B Patel, Vallabh Vidyanagar  
 Bhavanaben Jayeshkumar Shah, Ahmedabad

## *Deh Dan*

The Mandal is also grateful to the relatives and families of the following, from whom the College received Deh Dan.

### **Anand**

Chaitanyabhai Shankarlal Patel  
Hansaben Jaggnath Dave  
Jayrambhai Ambalal Patel  
Keshavlal Aditram Patel  
Kapilben Rameshbhai Patel  
Navinchandra Ranchodbhai Patel

### **Boria**

Khodabhai Parshottambhai Patel

### **Chikhodra**

Vimlaben Chhotabhai Patel

### **Dabhan**

Shivabhai Chhotabhai Patel

### **Dakor**

Kantaben Motilal Parikh  
Yogeshkumar Vrajlal

### **Dharmaj**

Vipulbhai Satishbhai Patel

### **Khankuva**

Ramanbhai Bhikhabhai Patel

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### **Ode**

Ravjibhai Mahijibhai Patel

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Haribhai Ashabhai Desai

Natubhai Dajibhai Patel

Mukundlal Shantilal Shah

### **Uttarsanda**

Babubhai Ravishankar Joshi

### **Vadodara**

Natubhai Vitthalbhai Patel

### **Vallabh Vidyanagar**

Dahiben Naranbhai Patel



# Auditors' Report & Accounts



**C.C. CHOKSHI & CO.**

Chartered Accountants  
3rd Floor, "Heritage"  
Near Gujarat Vidhyapith,  
Off Ashram Road,  
**Ahmedabad 380 014**

**AUDITORS' REPORT**

**NAME OF THE PUBLIC TRUST:-** CHARUTAR AROGYA MANDAL,  
VALLABH VIDYANAGAR,  
DIST.: ANAND

**REGISTRATION NUMBER:-** F / 119 / ANAND

We have audited the accounts of the above named Mandal for the year ended 31<sup>st</sup> March, 2009 and beg to report that:-

1. The accounts are maintained regularly and in accordance with the provisions of the Act and the Rules.
2. Receipts and disbursements are properly and correctly shown in the accounts.
3. The Cash Balance and Vouchers in the custody of the Gen. Manager (Accounts ) on the date of the audit are in agreement with the accounts.
4. Books, Deeds, Accounts Vouchers and other documents and records required by us were produced before us.
5. An inventory, certified by the trustee of the movables of the Mandal has been maintained.
6. The General Manager (Accounts) appeared before us and furnished the necessary information required by us.
7. No property or funds of the Mandal was applied for any object or purpose other than the object or purpose of the Mandal.
8. The amounts out-standing for more than one year are Rs. 39,22,473/- and the amount written off is Rs. 14,227/-.
9. Tenders were generally invited for repairs or construction as the expenditure involved did exceed Rs. 5000/-.
10. No money of the Public Trust has been invested contrary to the provisions of Section 35.
11. No alienations of Immovable property have been made contrary to provisions of Section 36.

We have further to report:

Attention is invited to following notes in Schedule "G" regarding:

- Note - 2 : Gratuity liability up to 31.3.2000 treated as deferred revenue expenditure.  
Note - 3 : Non-provision of balance liability for leave encashment amounting to Rs. 336.73 lakhs.  
Note - 5 : Income of fees for MBBS course. Necessary adjustment for fees will be made based on the final outcome of the order and any further development in this regard. (Amount is unascertainable)  
Note - 7 : Non-provision of liability for pay arrears amounting to Rs. 236.30 lakhs.  
Note - 8 : Non-provision of liability of Value Added Tax on medicines for the reasons mentioned therein. (Amount is unascertainable)

Had the observations made by us in Notes 3 and 7 above been considered the deficit as on 31<sup>st</sup> March 2009 would have been Rs. 5474.31 lacs as against the reported deficit of Rs. 4901.28 lacs.

For C C Chokshi & Co.  
Chartered Accountants

H. P. Shah  
Partner

(Membership No. 33331)

Place: Ahmedabad  
Date : 3<sup>rd</sup> September, 2009

**BALANCE SHEET AS AT 31<sup>ST</sup> MARCH, 2009**

(Regn.No. F / 119 / Anand)

(Rs.In thousands)

<b>SOURCE OF FUNDS:</b>		<b>31.03.2009</b>	<b>31.03.2008</b>
Corpus Funds	Schedule "A"	224,623.49	210,156.38
Medical Relief, Infrastructure Dev. and Other Funds	Schedule "B"	144,339.08	114,420.93
Donations from the Community	Schedule "C"	442,429.85	371,744.89
<b>SECURED LOANS:</b>			
Term Loan:			
From Oriental Bank of Commerce for purchase of Equipments (Against hypothecation of MRI Equipments)		24,258.54	30,289.64
Overdraft Facility:			
From ICICI Bank Ltd. [Fixed deposit receipts for Rs. 101.00 lakhs (P.Y.Rs. 101 Lakhs) pledged as Security]		8,122.66	2,384.65
From Oriental Bank of Commerce [Fixed deposit receipts for Rs. 404.12 lakhs (P.Y. Nil) pledged as Security]		31,593.10	–
<b>TOTAL SOURCE</b>		<b>875,366.72</b>	<b>728,996.49</b>

As per our separate report  
of even date attached herewith

On behalf of the Charutar Arogya Mandal

For C.C. Chokshi & Co.  
Chartered AccountantsSandeep Desai  
Chief Executive OfficerJagrut Bhatt  
Hon. SecretaryDr. Amrita Patel  
ChairmanJ.M.Rawal  
TrusteeB. Z. Patel  
TrusteeH. P. Shah  
Partner  
Ahmedabad  
Date: 3<sup>rd</sup> September, 2009Vallabh Vidyanagar  
Date: 31<sup>st</sup> August, 2009M. H. Shah  
General Manager (Accounts)

**BALANCE SHEET AS AT 31<sup>ST</sup> MARCH, 2009**

(Regn.No. F / 119 / Anand)

(Rs.In thousands)

**APPLICATION OF FUNDS:**

**31.03.2009      31.03.2008**

INFRASTRUCTURE AND INVESTMENT:

Fixed Assets	Schedule "D"	311,221.34		210,173.12
Investments	Schedule "E"	<u>214,706.79</u>		<u>272,886.03</u>
			525,928.13	483,059.15

WORKING CAPITAL:

CURRENT ASSETS:

Inventories		15,280.89		10,523.94
Sundry Debtors( Unsecured)				
Considered good	2,407.71			1,909.61
Considered doubtful	<u>3,323.58</u>			<u>3,323.58</u>
		5,731.29		5,233.19
LESS: Provision for doubtful debts	<u>3,323.58</u>			<u>3,323.58</u>
		2,407.71		1,909.61

Interest Accured		12,211.86		20,616.18
Deposits, Advances and Receivables (Including Rs. 19.45 lakhs (P.Y. Rs. 10.47 lakhs) to Charutar Arogya Mandal Medical Research Society)		81,598.92		30,249.32
Cash & Bank Balances		1,394.79		3,027.65
Cheques on Hand		<u>10.11</u>		<u>5.11</u>
		112,904.28		66,331.81

LESS: LIABILITIES:

Current liabilities		44,832.56		54,329.32
Advance Tuition fees		43,651.46		10,353.68
Fee Deposits		-		28,044.30
Sundry Credit Balances		21,917.08		15,499.04
Liability for Gratuity & Leave Encashment		93,042.85		60,293.70
Provision for Pay Arrears		<u>50,406.01</u>		<u>27,954.52</u>
		253,849.96		196,474.56

NET WORKING CAPITAL (140,945.68) (130,142.75)

DEFERRED REVENUE EXPENDITURE

(to the extent not written off) 255.53 1,672.56

INCOME & EXPENDITURE ACCOUNT:

Balance as per last Balance Sheet		374,407.53		334,605.80
ADD: Deficit for the year		<u>115,721.21</u>		<u>39,801.73</u>
		490,128.74		374,407.53

Significant Accounting Policies - Schedule "F"

Notes on Accounts - Schedule "G"

**TOTAL APPLICATION**

**875,366.72      728,996.49**

As per our separate report  
of even date attached herewith

On behalf of the Charutar Arogya Mandal

For C.C. Chokshi & Co.  
Chartered Accountants

Sandeep Desai  
Chief Executive Officer

Jagrut Bhatt  
Hon. Secretary

Dr. Amrita Patel  
Chairman

J.M.Rawal  
Trustee

B. Z. Patel  
Trustee

H. P. Shah  
Partner

M. H. Shah  
General Manager (Accounts)

Ahmedabad  
Date: 3<sup>rd</sup> September, 2009

Vallabh Vidyanagar  
Date: 31<sup>st</sup> August, 2009

**INCOME AND EXPENDITURE ACCOUNT  
FOR THE YEAR ENDED ON 31<sup>ST</sup> MARCH, 2009**

(Regn.No. F / 119 / Anand)

(Rs.In thousands)

<b>INCOME</b>	<b>2008-09</b>	<b>2007-08</b>
<b>INCOME FROM MEDICAL CARE:</b>		
Treatment Charges	117,527.54	86,812.36
LESS: Concession to Poor Patients and Patients under Voluntary Health Care Scheme (Net)	<u>22,782.61</u>	<u>14,668.16</u>
Treatment Charges (Net)	94,744.93	72,144.20
Medicines	60,240.02	41,410.75
Blood Bank	3,459.95	2,246.88
Fees for Clinical Teaching	58,169.94	46,212.11
Government Grant	<u>1,368.75</u>	<u>858.19</u>
	217,983.59	162,872.13
<b>INCOME FROM MEDICAL EDUCATION :</b>		
Tuition Fees (Net)	110,473.15	101,017.64
Other fees	2,494.00	3,067.00
Educational Assistance	7,905.11	1,264.07
Government Grant	<u>-</u>	<u>60.00</u>
	120,872.26	105,408.71
Donations from Community	2,116.91	457.70
<b>OTHER INCOME:</b>		
Income from Investment	412.14	8,539.94
Rent from Quarters and Hostels	10,070.77	9,322.26
Miscellaneous Income	12,293.10	10,012.53
Sundry Debit / Credit balances written back	6.41	174.83
Profit on sale of Assets	519.18	188.45
Provision for Expenses no Longer required	<u>11.11</u>	<u>-</u>
	23,312.71	28,238.01
<b>TOTAL INCOME</b>	<b><u>364,285.47</u></b>	<b><u>296,976.55</u></b>

As per our separate report  
of even date attached herewith

On behalf of the Charutar Arogya Mandal

For C.C. Chokshi & Co.  
Chartered Accountants

Sandeep Desai  
Chief Executive Officer

Jagrut Bhatt  
Hon. Secretary

Dr. Amrita Patel  
Chairman

J.M.Rawal  
Trustee

B. Z. Patel  
Trustee

H. P. Shah  
Partner  
Ahmedabad  
Date: 3<sup>rd</sup> September, 2009

Vallabh Vidyanagar  
Date: 31<sup>st</sup> August, 2009

M. H. Shah  
General Manager (Accounts)

**INCOME AND EXPENDITURE ACCOUNT  
FOR THE YEAR ENDED ON 31<sup>ST</sup> MARCH, 2009**

(Regn.No. F / 119 / Anand)

(Rs.In thousands)

<b>EXPENDITURE</b>	<b>2008-09</b>	<b>2007-08</b>
<b>EXPENDITURE ON MEDICAL CARE:</b>		
Manpower	93,561.60	71,750.17
Medicines	39,457.41	30,887.75
Other Expenditure Related to Treatment	57,073.60	33,561.47
Blood Bank Expenses	1,628.23	1,349.11
Electricity	12,005.18	8,289.74
Administrative and Other Overheads	37,189.93	26,123.64
Obsolete Stock Written off	454.50	-
Expenditure on Cancer Awareness & Detection	<u>1,928.63</u>	<u>1,759.86</u>
	243,299.08	173,721.74
<b>EXPENDITURE ON MEDICAL EDUCATION:</b>		
Manpower	167,934.07	138,821.37
Electricity	6,526.52	5,616.98
Education Training Expenses	12,556.12	9,781.78
Administrative and other overheads	<u>10,974.49</u>	<u>6,131.41</u>
	197,991.20	160,351.54
<b>INTEREST EXPENSES</b>		
On Term Loan	3,339.29	1,025.09
On Overdraft facility	<u>1,037.77</u>	<u>73.28</u>
	4,377.06	1,098.37
<b>EXPENDITURE ON ADMINISTRATION:</b>		
Manpower	5,326.69	3,263.05
Electricity	341.14	171.56
Administrative and Other Overheads	10,225.48	3,743.07
Campus Development	574.54	200.92
Hostel Maintenance	<u>982.93</u>	<u>559.84</u>
	17,450.78	7,938.44
Loss on Sale of Assets	-	40.37
Depreciation	49,018.42	32,925.02
	512,136.54	376,075.48
<b>TOTAL EXPENDITURE</b>	<b>512,136.54</b>	<b>376,075.48</b>
<b>DEFICIT</b>	<b>(147,851.07)</b>	<b>(79,098.93)</b>
Tuition Fees / Fees for Clinical Teaching of earlier years (Refer to Note No.6 of schedule "G")	21,841.84	29,154.43
Fund transferred from Corpus Fund & HM Patel Centenary Corpus Fund	10,288.02	10,142.77
<b>BALANCE OF DEFICIT FOR THE YEAR CARRIED TO BALANCE SHEET</b>	<b>(115,721.21)</b>	<b>(39,801.73)</b>

As per our separate report  
of even date attached herewith

On behalf of the Charutar Arogya Mandal

For C.C. Chokshi & Co.  
Chartered Accountants

Sandeep Desai  
Chief Executive Officer

Jagrut Bhatt  
Hon. Secretary

Dr. Amrita Patel  
Chairman

J.M.Rawal  
Trustee

B. Z. Patel  
Trustee

H. P. Shah  
Partner  
Ahmedabad  
Date: 3<sup>rd</sup> September, 2009

Vallabh Vidyanagar  
Date: 31<sup>st</sup> August, 2009

M. H. Shah  
General Manager (Accounts)



**SCHEDULES TO THE BALANCE SHEET**

## SCHEDULE "A": CORPUS FUNDS

(Rs.in thousands)

	<b>As at 31.03.2009</b>	<b>As at 31.03.2008</b>
<b>(i) CORPUS FUND</b>		
Balance as per last Balance Sheet	109,356.94	106,412.85
ADD: Fund received during the year	527.96	162.00
Interest earned during the year	<u>11,647.80</u>	<u>11,128.41</u>
	12,175.76	11,290.41
	121,532.70	117,703.26
LESS: Fund transferred to Income & Expenditure Account	<u>8,735.85</u>	<u>8,346.32</u>
<b>TOTAL</b>	<b>112,796.85</b>	<b>109,356.94</b>
<b>(ii) H M PATEL CENTENARY CORPUS FUND</b>		
Balance as per last Balance Sheet	22,274.12	18,279.24
ADD: Fund received during the year	1,030.83	412.08
Interest earned during the year	2,069.56	2,395.27
Fund transferred from other fund (Ref. Schedule "B")	<u>-</u>	<u>2,983.98</u>
	3,100.39	5,791.33
	25,374.51	24,070.57
LESS: Fund transferred to Income & Expenditure Account	<u>1,552.17</u>	<u>1,796.45</u>
<b>TOTAL</b>	<b>23,822.34</b>	<b>22,274.12</b>
<b>(iii) JTT - CAM CORPUS FUND</b>		
Balance as per last Balance Sheet	78,525.32	70,039.59
ADD: Interest earned during the year	9,478.98	8,485.73
<b>TOTAL</b>	<b>88,004.30</b>	<b>78,525.32</b>
<b>TOTAL (i + ii + iii)</b>	<b>224,623.49</b>	<b>210,156.38</b>

**SCHEDULE "B": MEDICAL RELIEF, INFRASTRUCTURE DEVELOPMENT AND OTHER FUNDS**

Balance as per last Balance Sheet	114,420.93	91,510.81
ADD: Fund received during the year	2,614.52	7,914.43
Interest earned during the year	38.21	145.78
Transferred from Tuition Fee	<u>28,669.29</u>	<u>21,017.92</u>
	31,322.02	29,078.13
	145,742.95	120,588.94
LESS: Utilised during the year	1,151.87	3,184.03
Amount transferred to Corpus Fund (Ref. Schedule "A")	-	2,983.98
Adjusted towards asset sold	<u>252.00</u>	<u>-</u>
	1,403.87	6,168.01
<b>TOTAL</b>	<b>144,339.08</b>	<b>114,420.93</b>

**SCHEDULE "C": DONATIONS FROM THE COMMUNITY**

Balance as per last Balance Sheet	371,744.89	368,967.50
ADD: Received during the year	70,785.46	3,254.07
	442,530.35	372,221.57
LESS: Utilised during the year	100.50	476.68
<b>TOTAL</b>	<b>442,429.85</b>	<b>371,744.89</b>

**SCHEDULE "D"  
FIXED ASSETS**

PARTICULARS	(Rs. in thousands)									
	At Cost as on 01.04.2008	Additions during the Year	Sale / Adjustments	Total as on 31.03.2009	Depreciation Provided			Net Value As on 31.03.2009	Net Value As on 31.03.2008	
					Provided Upto 31.03.2008	on Sale / Adjustments	For the Year			Upto 31.03.2009
LAND (Freehold)	469.08	-	-	469.08	-	-	-	469.08	469.08	
BUILDINGS	142,811.20	49,604.35	-	192,415.55	79,860.84	8,465.39	88,326.23	104,089.32	62,950.36	
EQUIPMENTS	219,576.47	107,993.60	86.44	327,483.63	119,086.92	53.78	153,859.96	173,623.67	100,489.55	
FURNITURE & DEAD STOCK	25,809.55	6,560.14	0.58	32,369.11	12,788.03	0.45	14,453.88	17,915.23	13,021.52	
ELECTRICALS INSTALLATIONS & FITTINGS	3,062.28	8,337.30	-	11,399.58	1,880.79	-	2,676.64	8,722.94	1,181.49	
VEHICLES	2,790.36	-	-	2,790.36	1,911.12	-	2,043.01	747.35	879.24	
COMPUTERS	14,879.10	2,423.58	97.35	17,205.33	12,766.37	97.35	15,242.74	1,962.59	2,112.73	
SOLAR WATER SYSTEM	1,052.33	694.12	302.00	1,444.45	1,048.38	302.00	1,304.83	139.62	3.95	
LIBRARY BOOKS	111.98	-	111.98	-	111.98	111.98	-	-	-	
	410,562.35	175,613.09	598.35	585,577.09	229,454.43	565.56	277,907.29	307,669.80	181,107.92	
CAPITAL WORK-IN-PROGRESS (BUILDING)	23,847.67	26,785.09	48,916.76	1,716.00	-	-	-	1,716.00	23,847.67	
CAPITAL ITEMS IN STOCK ( PENDING INSTALLATION)	5,217.53	1,835.54	5,217.53	1,835.54	-	-	-	1,835.54	5,217.53	
TOTAL	439,627.55	204,233.72	54,732.64	589,128.63	229,454.43	565.56	277,907.29	311,221.34	210,173.12	
<b>PREVIOUS YEAR'S TOTAL</b>	350,818.48	103,856.25	15,047.18	439,627.55	196,760.26	230.85	229,454.43	210,173.12		

## SCHEDULE "E" INVESTMENTS

	As at 31.03.09	As at 31.03.08
(Rs. in thousands)		
<b>A: IN FIXED DEPOSITS:</b>		
With Corporate Bodies	51,010.29	3,500.00
With Scheduled Banks	132,271.50	227,961.03
With Charotar Nagrik Sahakari Bank Ltd. ( In Liquidation ) ( Considered Doubtful )	749.05	749.05
LESS: Provision made	749.05	749.05
	—	—
With Charotar Gramodddhar Sahakari Mandal Ltd.	100.00	100.00
	<u>183,381.79</u>	<u>231,561.03</u>
<b>B: IN BONDS WITH:</b>		
Industrial Credit & Investment Corpn. of India (2000 Bonds of Rs.5000/- each)	—	10,000.00
RBI 8% Saving Bond Taxable (2003)	31,325.00	31,325.00
	<u>31,325.00</u>	<u>41,325.00</u>
<b>TOTAL OF INVESTMENTS</b>	<b><u>214,706.79</u></b>	<b><u>272,886.03</u></b>

**SCHEDULE “F”  
SIGNIFICANT ACCOUNTING POLICIES**

**1. Basis of Preparation of Financial Statements**

- (a) The financial statements have been prepared under the historic cost convention in accordance with the generally accepted accounting principles.
- (b) The Mandal generally follows mercantile system of accounting.
- (c) Government grant is accounted when received.
- (d) Tuition fees is net of Infrastructure Development Fund and fees for Clinical Teaching.
- (e) Corpus Fund:
  - (i) Corpus Fund : Fund received for general purpose and as decided by the management is credited to Corpus Fund Account. Interest earned on investment of Corpus Fund is credited to the said fund account and 75 % of the interest credited is transferred to Income & expenditure Account ( Medical Care ).
  - (ii) H M Patel Centenary Corpus Fund: Fund received for meeting the cost of indigent Cancer patients and interest earned there on is credited to H M Patel Centenary Corpus Fund Account and 75 % of the interest credited is transferred to Income & Expenditure Account (Medical Care ).
  - (iii) JTT - CAM Corpus Fund : Fund received from Jamsetji Tata Trust for scholarship to MBBS students and interest earned thereon is credited to Jamsetji Tata Trust -CAM Corpus Fund Account.
- (f) Donation received for Cancer Awareness project and from communities for miscellaneous purposes are credited to Income & Expenditure Account.

**2. Fixed Assets**

Fixed assets are stated at cost.

**3. Depreciation**

Depreciation on fixed assets is provided on the written down value at the rates as prescribed by the Income Tax Rules 1962. Depreciation on assets acquired during the first half of the year is provided for the full year and no depreciation is provided in the year of disposal.

**4. Investments**

Investments are carried at cost.

**5. Inventories**

Inventories include medicines, medical and surgical items, housekeeping materials and other consumables. Medicines are valued on actual cost basis and other items are valued at cost on first-in-first out basis.

**6. Retirement Benefits**

- (i) Contribution to Provident Fund and Super Annuation Fund are charged to Income & Expenditure Account.
- (ii) Gratuity Liability for the year has been provided as estimated by the management.
- (iii) Liability for Leave Encashment benefit for the year has been provided as estimated by the Management.

**7. Deferred Revenue Expenditure**

Past liability for the Gratuity is written off over a period of ten years in equal installments.

**8. Contingent Liabilities**

These are disclosed by way of notes to Accounts.

**9. Library Books**

Expenditure on Library Books are charged to Income & Expenditure Account since 1987-88.

## SCHEDULE "G"

### NOTES ON ACCOUNTS

1. The accounts of all units have been consolidated to represent the overall financial performance and the financial position of the Mandal.
2. The gratuity liability for the period up to 31-03-2000 of Rs. 1,77,83,401/- has been treated as deferred revenue expenditure and is being charged to the Income & Expenditure Account over a period of ten years in equal instalments. The balance in deferred revenue expenditure account as on 31-03-2009 is Rs. 2,55,531 /-
3. The liability on account of leave encashment as on 31.03.2009 is estimated at Rs. 5,01,05,386/- .The provision of Rs. 1,64,31,944/- including Rs. 1,35,11,348 /- for the year is made in the financial year 2008-09.
4. Course wise Tuition fees transferred to Infrastructure fund and fees for clinical teaching as under:

Course	% of Tuition fees transferred to Infrastructure fund	% of Tuition fees transferred as clinical teaching (to Medical care)
MBBS	7.50	25.00
Physiotherapy	7.50	25.00
Nursing	7.50	25.00
PG	20.00	40.00
MPT	20.00	40.00
DMLT	25.00	-
MSC-MLT	25.00	-

5. As per the Order dated 20th June, 2007 of Honourable Justice R. J. Shah (Retd.) Fee Committee, the fees for MBBS Course is recommended at Rs. 2,20,000/-, Rs. 2,45,000/- and Rs. 2,75,000/- for the students on roll in the year 2006-07, 2007-08 and 2008-09 respectively and the Mandal has accounted for the fees as recommended by the fee Committee. The Parents Association for Medical/Dental students has challenged recommendations of Fee Committee before the Honourable Gujarat High Court.

As per Order of Gujarat High Court dated 19-24 March, 2008, the matter was remanded to the Fee Committee for its review. However, on Mandal's appeal against the Order, as an interim Order, the Divisional Bench of the Gujarat High Court vide its Order dated 23rd May, 2008, directed the students to pay the full fee as decided by the Committee. The aggregate fees of Rs. 5,02,73,750/- being the difference between the fee fixed by the Committee and Rs. 1,80,000/- as specified in the High Court's order i.e. Rs. 65,000/- and Rs. 95,000/- per student for the years 2007-08 and 2008-09 respectively has been deposited with the Registrar, Gujarat High Court. The said amount has been included in "Deposit, Advances and Receivable" shown in the Balance Sheet. Necessary adjustments for Fees will be made based on the final outcome of the order.

6. Vide order dated 8th July, 2009, Honourable Justice R. J. Shah (Retd.) Fee Committee, pursuant to the order of Honourable High Court of Gujarat dated 13th May, 2009 and the relevant orders dated 8th May, 2008 and 20th October, 2008, of the Honourable Justice RJ Shah (Retd.) Fee Committee, recommends the College to devise a fee structure for various PG and MPT courses for the years 2006-07, 2007-08 and 2008-09, provided average fee from all courses does not exceed Rs. 5.22 lakhs per student per year. Based on these orders, during the year differential fees for the years 2006-07 and 2007- 08 aggregating to Rs. 2,18,41,836/- has been accounted for as net fees.
7. During the year, the staff salaries and allowances are revised effective from 1.1.2006. As a result, the total liability of pay arrears worked out to Rs. 7,40,37,073/-. Out of which, provision of Rs. 5,04,06,659/- has been made in the books of accounts up to 31<sup>st</sup> March, 2009 and remaining Rs. 2,36,30,414/- has not been provided in the books of accounts.
8. The Mandal was exempted from the registration as a 'Dealer' under the Gujarat Sales Tax Act, 1969, however, from the year 2006-07, the Gujarat Value Added Tax Act, 2003, (GVAT Act) in place of the Gujarat Sales Tax Act, 1969 has come in to force. In response to the Mandal's application seeking determination of liability for registration under the GVAT Act, vide the order dated 16<sup>th</sup> June, 2009, of the Gujarat Value Added Tax Tribunal, Ahmedabad, confirmed the determination order dated 27<sup>th</sup> October, 2008, a passed by the Joint Commissioner, Commercial Tax, Gujarat State, Ahmedabad, holding the Mandal as a 'dealer' within the meaning of section 2(10) of the GVAT Act. This matter is being contested by the Mandal in the Gujarat High Court. The liability, if any, of VAT on medicines for the years 2006-07 to 2008-09 will be determined based on the outcome of the matter.

**9. Contingent Liabilities not provided for in respect of :**

	2008-2009 Rs	2007-2008 Rs
i) Claim against Mandal by the District Collector, Anand, towards premium demand for Land and pending with State Government.	4,77,450	4, 77,450
ii) Claim against Mandal by the Karamsad Municipality towards the House Tax for the years from 2002-03 to 2006 -07 and pending with Appellate Authority.	—	3,23,323
iii) Claim against Mandal by Madhya Gujarat Vij Co. towards the electricity charges due to new tariff and pending with Gujarat High Court.	24,22,954 (including Rs. 6,05,739 paid under protest)	24,22,954 (including Rs. 6,05,739 paid under protest)
iv) Guarantees given by a Bank to the Medical Council of India, New Delhi, for undertaking various PG courses.	2,55,00,000 (against pledgement of FDRs amounting to Rs. 60.03 lakhs)	5,21,00,000 (against pledgement of FDRs amounting to Rs.101.00 lakhs)
v) Claims against the Mandal lodged by some employees and workers of Contractors not acknowledged as debt and pending with different Authorities.		Amount unascertainable
vi) Claims against the Mandal towards compensation under Motor accident by legal heirs of persons who died in a motor accident and pending with the Motor Accident Claim Tribunal.		Amount unascertainable
vii) Claim against the Mandal towards affiliation fees for PG courses by the S.P.University and pending with Gujarat High Court.	86,97,500 (including Rs.10 lakhs paid under protest)	—

**10.** Balances in the accounts of sundry debtors, advances and creditors are subject to confirmation by the parties.

**11.** Mandal is granted registration under section 12 A(a) of the Income Tax Act, 1961 and its income is exempt under section 11 of the Income Tax Act, 1961. It has also applied for grant of exemption under section 10(23c)(vi) and (via) of the Income Tax Act, 1961 and it does not anticipate any tax liability.

**12.** Figures for the previous year have been regrouped or rearranged, wherever required to make them comparable with those of the current year.

On behalf of the Charutar Arogya Mandal

For C.C. Chokshi & Co.  
Chartered Accountants

Sandeep Desai  
Chief Executive Officer

Jagrut Bhatt  
Hon. Secretary

Dr. Amrita Patel  
Chairman

J.M.Rawal  
Trustee

B. Z. Patel  
Trustee

H. P. Shah  
Partner  
Ahmedabad  
Date: 3<sup>rd</sup> September, 2009

Vallabh Vidyanagar  
Date: 31<sup>st</sup> August, 2009

M. H. Shah  
General Manager (Accounts)

## *Gratitude*

- The people of Charotar who generously contributed in so many ways.
- The people of Karamsad and particularly the Karamsad Municipal Borough for their continuing support.
- The Tribhuvandas Foundation for their continued assistance.
- The Charutar Vidya Mandal and the Charotar Gramodhar Sahakari Mandal Ltd., for their help and support.
- The Kaira District Cooperative Milk Producers' Union for their support and help.
- The Vitthal Udyognagar Industries Association for their support.
- The Santram Mandir, Karamsad for providing free meals to relatives of patients coming from long distances.
- Sir Ratan Tata Trust, Mumbai and Sir Dorabji Tata Trust, Mumbai for their generous assistance to the Cancer Project and treatment of poor patients.
- Sir Jamshedji Tata Trust for their generous assistance to provide scholarships to meritorious, but economically challenged students for the MBBS courses.
- Elecon Group of Companies for their generous support in creating state-of-the-art Cardiac Centre.
- The Petlad Municipality for entrusting us with the responsibility of managing their centre at Petlad.
- Ardi Gram Panchayat for making available a community hall in their village for a Clinic.
- The Mayank Jayant Foundation for making available their premises to run a Health Centre at Anand.
- The National Dairy Development Board for their assistance in many of our projects.
- The Government of Gujarat and the Sardar Patel University who have offered unstinted support.
- The honorary consultants and volunteers who have worked selflessly to provide the much needed support.
- The dedicated team of doctors and supporting staff who have worked to provide round-the-clock services.
- Numerous donors who have been so generous in supporting our projects and activities.
- The countless individuals and institutions who have supported the Charutar Arogya Mandal activities in so many ways and without whose help and encouragement the Charutar Arogya Mandal would not have been able to make the progress achieved during the year.



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