

‘I have promises to keep,
And miles to go before I sleep,
And miles to go before I sleep.’

- ROBERT FROST



Charutar
Arogya Mandal



Annual Report | 2015-2016



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The enclosed cd contains a soft copy of this Annual Report, clinical trials, faculty participation in various academic events and schedules to financial statements.

CAM's Commitment

Professionalism & Accountability

Charutar Arogya Mandal is structured to reflect professionalism on one hand and accountability to the community on the other.

Registered as a Trust and a Society, CAM's properties are managed by a Board of Trustees, comprising Shri Nitinbhai R Desai and Shri Prayasvinbhai B Patel. CAM's policies are decided by a Governing

Body headed by the Chairman & Executive Head, Dr. Amrita Patel. The Governing Body is part of and functions under the purview of the wider Governing Council, which includes representatives of donors, sister-institutions and members of CAM.

The President of CAM, Shri Hasmukhbhai Shah, chairs the Governing Council meetings.

The Governing Council, in turn, reports to the General Body. (The total number of members were 1839 as on March 2016.) In this way, the community participates in the running of the institution.

Board of Trustees

*Shri Nitinbhai R Desai
Shri Prayasvinbhai B Patel*

Governing Body

Chairman

Dr. Amrita Patel

Hon. Secretary

Shri Jagrut Bhatt

Dean

Dr. Utpala N Kharod

Members Elected by the Council

*Shri Natubhai M Patel
Dr. Chhotubhai L Patel
Shri Ashokbhai J Patel
Shri Thakorbhai C Patel
Shri Harshadbhai S Patel
Shri Vikrambhai C Patel*

Member Co-opted by the Governing Body

*Shri Keshav Desiraju
Shri Atulbhai H Patel*

Members Co-opted by the Chairman

Smt. Dakshaben N Shah

Smt. Arunaben Lakhani

Governing Council

President

Shri Hasmukhbhai Shah

Vice-President

Shri Sudhir Mankad

Chairman

Dr. Amrita Patel

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Smt. Sumiben V Patel
Shri Rameshbhai Shah
Shri Mehulbhai J Patel
Shri Amitbhai B Patel
Dr. Vijaybhai J Patel*

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Shri Ravindra J Gokal
Shri Kishorbhai J Gokal
Shri Hasmukhbhai S Parikh
Dr. Anand N Nathwani
Shri Shishir K Diwanji
Shri Jagrut Bhatt
Shri Mayurbhai N Patel
Shri KB Sanghvi*

*Shri Natubhai H Desai
Shri Bharat N Dave
Shri Ashokbhai J Patel
Dr. Darshit Shah
Shri Prashant C Amin
Shri Dinesh M Patel
Dr. Sudarshan Iyengar
Shri Ravinbhai R Shah
Shri Amlan Shah
Shri Ashokbhai V Patel
Shri Navinchandra C Patel
Shri Rajesh G Upadhyaya
Shri C M Makadia
Shri Dixit R Patel
Shri Hemantbhai T Patel
Shri Pramit K Patel
Smt. Meeta K Jain
Smt. Bhaviniben D Patel
Smt. Pannaben S Patel
Shri Atulbhai H Patel*

Nominee of Karamsad Municipal Borough

Shri Nileshbhai I Patel

Chairman, Charotar Gramodddhar Sahakari Mandal Ltd.

Shri Vikrambhai C Patel

**Chairman,
Charutar Vidya Mandal**

Dr. Chhotubhai L Patel

**Hon. Secretary, Charutar
Vidya Mandal**

Shri SM Patel

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

*Dr. AK Saluja
Dr. JD Patel*

Dean

Dr. Utpala N Kharod

**Vice-Chancellor, Sardar
Patel University**

Dr. Harish Padh

**Chairman / President,
Anand District Panchayat**

Smt. Kapilaben G. Chavda

**Eminent Ladies Nominated
by the Chairman**

*Dr. Ila Patel
Smt. Shruti A Shroff*

**Members Co-opted by the
Council**

*Shri Natubhai M Patel
Shri Dinubhai P Patel
Shri Thakorbbhai C Patel*

Representative of Bakrol

Shri Pragneshbbhai A Patel

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Patient Care**

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Mandal**

Dr. Amrita Patel

**Secretary, Charutar Arogya
Mandal**

Shri Jagrut Bhatt

**Chief Executive Officer,
Charutar Arogya Mandal**

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Medical College**

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Dept. of General Medicine,
Pramukhswami Medical
College**

Dr. Bhalendu Vaishnav

**Chairman, Rational Care
Group & Professor, Dept. of
Obstetrics & Gynaecology,
Pramukhswami Medical
College**

Dr. Smruti Vaishnav

**Chairman, Efficient Care
Group & Professor,
Dept. of Chest Medicine,
Pramukhswami Medical
College**

Dr. Rajiv Paliwal

**Chairman, Affordable Care
Group & Professor, Dept. of
General Surgery,
Pramukhswami Medical
College**

Dr. Jitesh Desai

**Chairman, Quality
Improvement Group &
Professor, Dept. of
Pathology, Pramukhswami
Medical College**

Dr. Monica Gupta

**Former Associate Professor in
Psychiatry, Institute of Space
And Aviation Medicine,
Bengaluru & Puducherry
Institute of Medical Sciences**

Dr. Alok Pandey

**Head, Centre for
Histopathology SRL
Diagnostics & SL Raheja
Hospital, Mumbai**

Dr. Anita Borges

**President & Chief Operating
Officer, Narayana Health**

Dr. Lloyd Nazareth

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Mandal**

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**Secretary, Charutar Arogya
Mandal**

Shri Jagrut Bhatt

**Chief Executive Officer,
Charutar Arogya Mandal**

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College**

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**Chairman, Curriculum Design
& Implementation Group &
Professor, Dept. of General
Medicine, Pramukhswami
Medical College**

Dr. Jyoti Mannari

**Chairman, Clinical Training
Group & Professor, Dept. of
Anaesthesia, Pramukhswami
Medical College**

Dr. Hemlata Kamat

**Chairman, Assessment Group
& Professor, Dept. of General
Surgery, Pramukhswami
Medical College**

Dr. Shirish Srivastava

Chairman, Professional Development Group & Professor, Dept of General Medicine, Pramukhswami Medical College

Dr. Himanshu Pandya

Chairman, Students Support Group & Principal, Smt LP Patel Institute of Medical Laboratory Technology

Dr. Sunil Trivedi

Chairman, Academic Administration Group & Professor, Dept. of Physiology, Pramukhswami Medical College

Dr. Ashok Raman Nair

Associate Professor & Head, Dept of Medical Education & Technology, Maharashtra University of Health Sciences

Dr. Payal Bansal

Vice-Principal & Professor of Paediatrics at CMC, Ludhiana

Dr. Tejinder Singh

Content Manager, Centre for Health Informatics (CIH) of the National Health Portal (NHP) Under the Ministry of Health, New Delhi

Dr. BV Adkoli

Professor of Microbiology, Melaka Manipal Medical College, Manipal

Dr. Ciraj Ali Mohammed

Board of Management – Public Health Initiatives

Chairman, Charutar Arogya Mandal

Dr. Amrita Patel

Secretary, Charutar Arogya Mandal

Shri Jagrut Bhatt

Chief Executive Officer, Charutar Arogya Mandal

Shri Sandeep Desai

Dean, Pramukhswami Medical College

Dr. Utpala Kharod

Chairman, Public Health Initiatives Group & Professor, Dept of Paediatrics, Pramukhswami Medical College

Dr. Nikhil Kharod

Chairman, Assessment Group & Professor, Dept of General Surgery, Pramukhswami Medical College

Dr. Shirish Srivastava

Member, Public Health Initiatives Group & Professor, Dept of Community Medicine, Pramukhswami Medical College

Dr. Dinesh Kumar

Member, Public Health Initiatives Group & Associate Professor, Dept of Community Medicine, Pramukhswami Medical College

Dr. Shyamsundar J Raithatha

Director, Indian Institute of Public Health, Gandhinagar, Gujarat

Dr. Dileep Mavlankar

Director, State RMNCH+A Unit, Care, Bihar

Dr. Hemant Shah

Secretary & Founding Member, Jan Swasthya Sahyog, Bilaspur, Chhattisgarh

Dr. Yogesh Jain

Ex-Director, Deepak Charitable Trust, Vadodara, Gujarat

Smt. Aruna Lakhani

Board of Management – Research

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Dr. Amrita Patel

Secretary, Charutar Arogya Mandal

Shri Jagrut Bhatt

Chief Executive Officer, Charutar Arogya Mandal

Shri Sandeep Desai

Dean, Pramukhswami Medical College

Dr. Utpala Kharod

Chairman, Research Group & Professor, Dept. of Paediatrics, Pramukhswami Medical College

Dr. Somashekhar Nimbalkar

Professor, Dept. of Gastroenterology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow

Dr. Rakesh Aggarwal

Dean, Research Studies & Senior Scientist Madras Diabetes Research Foundation (MDRF), Chennai

Dr. M Balasubramanyam

Director, Centre for Health Research and Development Society for Applied Studies, New Delhi

Dr. Nita Bhandari

Associate Professor, Community Health & Epidemiology, St John's Research Institute, Bengaluru

Dr. Prem Mony

Professor & Head, Dept. of Community Medicine, Shri Manakula Vinayagar Medical College & Hospital, Puducherry

Dr. Amol R Dongre

Division of RHN, Indian Council of Medical Research, New Delhi

Dr. Shalini Singh

**Board of Management –
KM Patel Institute of
Physiotherapy**

Chairman, Charutar Arogya Mandal

Dr. Amrita Patel

Secretary, Charutar Arogya Mandal

Shri Jagrut Bhatt

Chief Executive Officer, Charutar Arogya Mandal

Shri Sandeep Desai

Dean, Pramukhswami Medical College

Dr. Utpala Kharod

Principal, KM Patel Institute of Physiotherapy

Dr. R Harihara Prakash

Principal, College of Physiotherapy, MS Ramaiah Medical College, Bengaluru

Professor Savita Ravindra

Professor, MGM College of Physiotherapy, Navi Mumbai

Dr. Bharti Bellare

**Board of Management –
Nursing**

Chairman, Charutar Arogya Mandal

Dr. Amrita Patel

Secretary, Charutar Arogya Mandal

Shri Jagrut Bhatt

Chief Executive Officer, Charutar Arogya Mandal

Shri Sandeep Desai

Dean, Pramukhswami Medical College

Dr. Utpala Kharod

Principal, GH Patel School of Nursing

Smt. Kaushalya Masurkar

Director Nursing, Bombay Hospital, Mumbai

Ms. Shaila S Bhalekar

Nursing Advisor, College of Nursing, Tata Memorial Hospital, Mumbai

Ms. Anita Deodhar

Medical Social Worker, Muljibhai Patel Urological Hospital, Nadiad

Dr. Sujata M Rajapurkar

Principal, Nupur Nursing Academy, Vadodara

Ms. Geeta K Murch



The Next Leap

Over the last few decades, the facilities and services at CAM have grown significantly. New best-in-class Cancer and Cardiac Care Centres. A Privilege Centre with new levels of luxury and comfort that offers its patients personalised care. Fully-renovated ICUs and a Trauma Centre. A College of Physiotherapy and an Institute of Medical Technology. New additions to the Charutar Arogya Mandal's (CAM) many educational institutions. A Secondary Care Centre to serve the community nearer its doorstep, with its own OT, ICU, Emergency, Lab and Radiology departments. And a number of outreach centres set up within a 65-km radius from Karamsad.

The number of patients has also grown to 400,000 out-patient visits and over

35,000 admissions. Revenues have exceeded ₹1,000 million in the last decade, and so have the concessions offered to needy patients, which now exceed ₹100 million annually. KRUPA, the innovative social security platform that provides free hospitalisation cover for a very small annual contribution, now has over 40,000 members.

The medical college has had its own share of achievements. It is now recognised nationwide for its innovative curriculum and for the quality of its graduates. Research, which remains a limited area in most such institutions, is a focus area here, with nearly 50 papers published in PUBMED-indexed journals annually.

However, far more remains to be done. We must find ways to extend our services to more patients and ensure that our cost optimisation measures continue.

As ever, our efforts to improve quality are a central concern. The recently launched Privilege Centre requires promotion and marketing, to ensure that the revenue earned makes a further contribution towards meeting the cost of treatment of poor patients.

Our agenda includes extending the advantages of the Mandal's educational institutions to a larger student body and to introduce more courses. Since its establishment in 1987, the college has admitted 100 students in its undergraduate course. This is now proposed to be increased to 150 students. The expansion, however, calls for a large capital outlay to include modifications in virtually all departments: two large multi-purpose

halls for examinations and skill enhancement and a stand-alone library will be added, as well as hostel facilities for 250 additional students.

Expansion at the hospital calls for 200 more beds, as well as three new wings for Critical Care patients, new general wards and a best-in-class diagnostic wing.

The task is indeed challenging, but in the words of our Founder - Chairman, "There is no barrier too high when your intentions are noble and your efforts sincere." Besides, we are strengthened with the confidence and generous support we have always received from our community. And so, we prepare to take our next leap ahead.





Affordable Care for All

Patient Care

Patient care is the Mandal's focal area around which all development and growth take place. The aim is to provide medical care that's efficient and affordable for all. It's a humane experience that every ailing patient deserves. An array of services have been added, expanded and modified to match the steady increase in patient strength and requirements. Additionally, meticulous and stringent preparations for world-class accreditations, and audits of measuring quality indicators, resulted in an increased outreach of services during the year.

- Nearly 4,00,000 patients were treated by the Hospital's general services on an outdoor basis.
- More than 35,000 patients were treated through the indoor services.

- There were more than 3,300 admissions in the Intensive Care units.
- Nearly 16,000 cases were received by the Trauma Centre.
- About 10,000 surgeries were performed – 800 supra major, 3,200 major and 6,000 minor.

SHREE KRISHNA HOSPITAL

Redefining Expertise in Rural Medicare

Shree Krishna Hospital, now in its 35th year of operation, boasts 14 Centres of Excellence for Joint Replacements, Neurology and Neurosurgery, Minimal Access Surgeries, Woman and Child Care, Cosmetology, Eye-ENT & Cochlear Implant, Lab & Imaging, Emergency & Critical Care, Cardiac Care, Cancer Care, Diabetology, Pulmonology, Urology & Nephrology, Physiotherapy, and Sports Medicine.

To raise awareness of these Centres at a regional level, an extensive awareness campaign was launched. Hoardings in neighbouring towns, and notices and displays within the hospital were exhibited. Press releases, write-ups

by doctors on various issues, social media campaigns, distribution of literature for patients and visitors were also used extensively.

In addition, conferences and seminars were conducted and special clinics launched:

- Dr. Himanshu Bavishi, the renowned Infertility expert, offered his services as a part of the infertility clinic.
- Departments of Gynaec and Paediatrics jointly started adolescent, infertility, parenting, menopause and development clinics.
- 50 enthusiastic children and parents participated in a workshop on adolescence-related problems, jointly organised by the Obstetrics and Paediatrics teams.

Other Departments extended special services:

- The Department of Ophthalmology introduced special services like Glaucoma, Retina, Occuloplasty, Squint and Cornea clinics on specific weekdays, thus offering focussed and personalised care.
- The Department of Medicine organised a four-day Diabetes Gyan Mela on various facets of diabetes care to commemorate World Diabetes Day. A team of physicians, ophthalmologists, nutritionists and dental experts joined hands to create an awareness programme, which included a food festival, recipe competition, workshops, talk on kidney care, physical check-ups, yoga and physio demonstrations, and diabetes foot management.



First Green OT Certification for SKH

In its never-ending pursuit for quality, the NABH*-accredited Shree Krishna Hospital added yet another feather to its cap. It became the first teaching hospital in the country to be conferred the 'Green Operation Theatre Certification' with a top score of 90.4% for compliance to the highest quality and safety parameters for patients and healthcare workers in the OTs. The newly introduced accreditation is from the Bureau Veritas Certification, a global certification agency, and the pharmaceutical company, Abbott India.

It was also conferred the 'Green Hospital Award' by the Association of Healthcare Providers, India (AHPI). Its performance in parameters such as energy and water conservation, optimal use of solar energy, minimum use of plastic products, tobacco-free campus, conservation of greenery and trees, and open structures – all contributed to it receiving the prestigious award.

(*National Accreditation Board for Hospitals & Healthcare Providers)

Augmenting Affordable Care

To make sure that quality medical care reaches all those in need of it, the Hospital extended its benefits to BPL families, offering 100% free treatment to women and children in the general wards and a waiver of 75% in the ICUs. Men from BPL families are now offered a 60% waiver in general wards under the scheme.

Free treatment for cancer surgery is also being offered to patients with Mukhyamantri Amrutam, and Mukhyamantri Amrutam Vatsalya cards. This is in addition to the benefits already being offered in chemotherapy and radiation therapy.

A novel initiative, along with the Sardar Patel Arogya Mandal (SPAM), was the introduction of a special scheme for members of milk cooperatives in Anand and Kheda districts. All members of SPAM and their families are now

eligible for free treatment up to ₹20,000 per annum for the general indoor services of the hospital.

The hospital, now empaneled with the Central Government's ADIP Scheme (Assistance to Disabled Persons for Purchase/Fitting of Aids and Appliances), offers free cochlear implant surgery to patients from families with a monthly income between ₹5,000 and ₹20,000. Shree Krishna is the only hospital in Anand and Kheda districts to be so empanelled and the only one to offer the Neonatal Hearing Screening Test. A new name in the cashless facility providers, Health India TPA Services, has joined the Hospital this year.

To make super-specialty care affordable, consultations are now available at highly subsidised rates. A speciality OPD where consultants' services are available on selective days, has benefited a number of underprivileged patients.





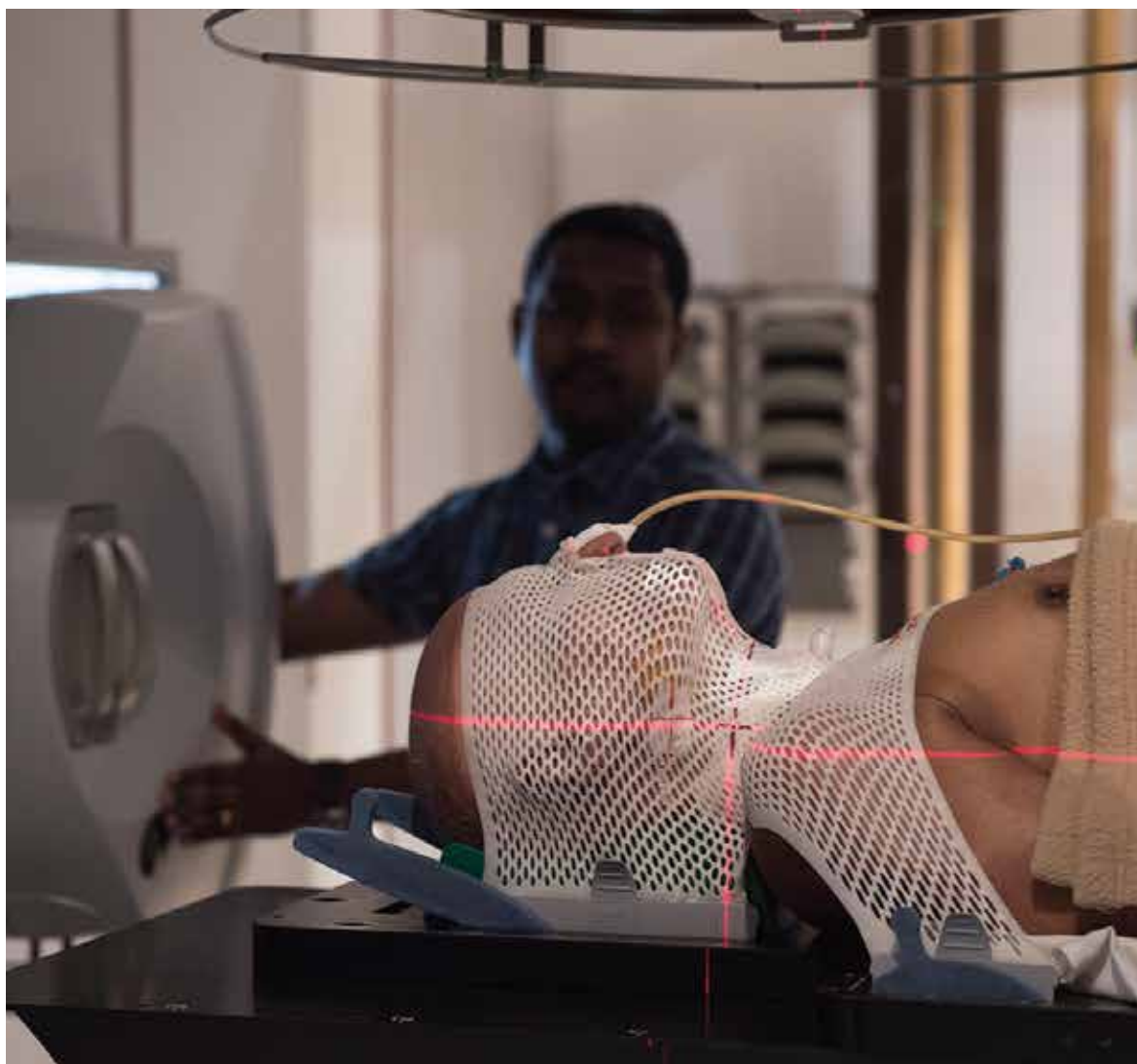
Beyond the Hospital Walls

Our activities are not limited to the four walls of our hospital in Karamsad – but go beyond to reach out to many:

- At our Sevaliya Secondary Care Centre, 65 kms from the hospital, three high-risk deliveries were successfully performed. In two cases, the mother's heartbeat had fallen in addition to foetal complications. And, in third one the delivery became complicated due to foetal distress and heavy new born weight of 5.5 kg. All these cases were managed without any compromise to the mother or the child's health.
- The Pramukhswami Medical College

(PSMC) students stepped beyond their curriculum and visited nearly 12,000 households in the slum areas of Petlad village which was struck by dengue. They went from home to home to assess the conditions promoting the spread of the viral disease and advising curative measures.

- The Hospital, in association with the Gujarat Adani Institute of Medical Sciences, organised a multi-speciality camp at Bhuj, with clinicians from Cardiology and Oncology offering free consultation. Those patients who needed further treatment were referred to the Shree Krishna Hospital.



MANIBHAI SHIVABHAI PATEL CANCER CENTRE

New Hopes, New Dreams

From awareness and prevention to detection and treatment, we ensure that none of the facets of cancer care is beyond the reach of patients. The appointment of a full-time Oncosurgeon this year has proved to be a boon, allowing us to meet the increasing demand for surgeries and making comprehensive treatment possible. The OPD treated more than 19,000 patients, around 2000 of which are new patients.

The Centre has successfully premiered the administration of radio surgery for

conditions like trigeminal neuralgia and brain tumours. New developments this year included treating lung tumours in a single radio surgery sitting, and prostate cancer in only five sittings – a first in the State. The Dinesh J Patel Bone Marrow Transplant Centre is ready and will be accepting patients shortly. The caregiver staff have undergone essential training.

The Cancer Centre celebrated its 11th anniversary on August 27, with a programme 'New Hopes, New Dreams'. A number of Big 'C' survivors who have won the battle against cancer attended the event. Their stories have helped boost the spirits of cancer patients currently undergoing treatment.

BHANUBHAI AND MADHUBEN PATEL CARDIAC CENTRE

Nurturing Hearts

The Cardiac Centre is amongst a few in the country to offer treatment for unique conditions.

A three-month-old girl from Borsad underwent 'switch' surgery for a rare and risky congenital cardiac condition that's found in less than one percent of the population the world over.

In another case, a young mother of 25 was given a new lease of life. She underwent keyhole surgery to replace a defective valve in her heart with a just a six cm incision. This cardiac surgery, available at only a few centres in Gujarat, demands a high level of technical expertise. It's highly effective in helping patient make an early recovery with negligible cosmetic compromise compared to traditional

open heart surgeries.

During the year, 163 adult and 181 paediatric cardiac surgeries were conducted at the Centre in addition to 543 angiographies, 143 PTCA (Percutaneous transluminal coronary angioplasty) and 61 cath procedures.

Over 1,500 people, many of them cardiac patients, enthusiastically took part in the 1.5 km 'Walk for the Heart' held in the month of October to commemorate the Centre's Foundation Day. The walkathon from H.M. Patel Marg in Vallabh Vidyanagar and till Anand Town Hall raised awareness for a healthy lifestyle and walking as the most effective way to maintain a healthy heart. It was flagged off by the donor of the Centre, and Chairman of the Elecon Group of Companies - Shri Prayasvin Patel - who along with CAM's Chairman, Dr. Amrita Patel, felicitated paediatric cardiac patients at the conclusion of the walk.





RAMANBHAI GOKAL PRIVILEGE CENTRE

Personalised Luxury Healthcare

The exclusive Privilege Centre celebrated its first anniversary this year. It has seen a steady rise in the number of patients for both outdoor consultation (about 9,000) and indoor treatment (1,700).

A Relationship Building Programme was launched during the year through an exclusive 'club'. This 'club' offers value-added services to its members across different categories: Silver, Gold, Platinum and Diamond. The Centre offers

special packages for various business houses who have been associated with it. The revenues earned at the Privilege Centre offsets the deficit incurred in treating economically-disadvantaged patients and allows the Hospital to reach out to even more patients.

The Centre's personalised preventive and comprehensive health check-up programme, 'Hello Health', has become increasingly popular with both individuals and institutions (about 7,600 enrollees last year). Four more institutions have tied up with the Centre to offer this exclusive service to their employees.

HOSPITAL GOVERNANCE

The Four Pillars of Quality

The governance of Shree Krishna Hospital and its various Centres is managed through functional groups known as the Four Pillars of Quality; namely, Humane Care, Rational Care, Efficient Care and Affordable Care Groups.

Policies developed by these groups are implemented by the Quality Improvement Group under the overall guidance of a Board of Management, which includes experts from other hospitals.

Affordable Care: The Affordable Care Group has incessantly worked towards reducing the cost of various treatment components – to help make the cost of healthcare affordable to patients and to also lower the deficit resulting from the many concessions the Hospital offers.

A system of recalling unconsumed drugs from patients availing concessions allows

the Hospital to make the same drugs available to others. Efforts are being made to reduce the cost of cancer drugs, and to standardise the cost of common surgical treatment packages across departments. Continuous attempts are being made to regulate high-cost investigations with the consent of the concerned consultants - saving both the patient and the institution's money - and replacing high-cost consumables with economically viable options that meet the same quality standards.

Efficient Care: The Efficient Care Group's main focus during the year has been on extensive use of SOLACE, an indigenously-developed software, which is in line with CAM's long-term vision to go digital in entering, storing and retrieving patient-related data. All treatment parameters are inbuilt in the application - making way for a more professional, error-free, vigilant, speedier and smoother operational system of offering medical care.



After detailed orientations to consultants, residents and interns on the use of the application, the Hospital is using SOLACE to create paperless procedures across all levels of care, including at the OPD level. The application is being used to record the patient's clinical details; right from registration and examination in the Outpatients Department (OPD) to the purchase of medicines to subsequent visits or stay. This significantly reduces turnaround time, a sure indicator of efficient care.

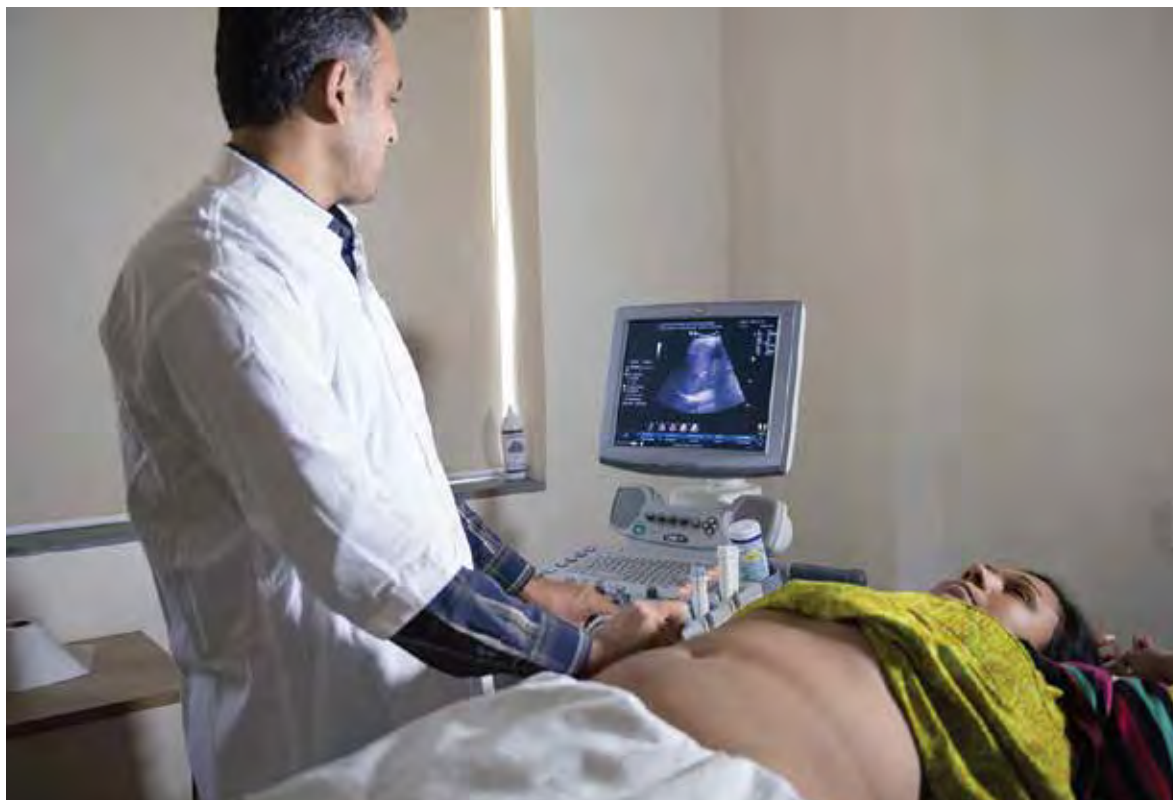
The Group has also made efforts to reduce the length of stay of patients. Sensitisation sessions have been conducted across all levels of caregivers, and daily system alerts on the cost of treatment and length of the patient's stay are generated at consultant and resident levels. Residents are also being oriented on controlling delays occurring in the discharge of patients.

The utility of PACS system has been taken further. X-ray films have now

been done away with for indoor services - earlier done for outpatient services. This has contributed in saving costs for the institute and also in reducing waste, since the diagnosis is made on a digital platform. The Hospital is actively adopting an atmosphere that's more environment-friendly.

Rational Care: The Rational Care Group works towards standardising patient care across all levels and ensures adherence to quality standards. Medical Board meetings on delivery of quality care are conducted regularly, and the learnings are communicated to all concerned departments.

Continuous monitoring of sensitisation across all levels of caregivers have clearly borne fruit. The protocols of all the Hospital's departments were reviewed from the point of view of patient interest, and protocols were added at an OPD level for the SOLACE application. A policy audit at the Medical Intensive Care Unit and





Surgical Intensive Care Unit led to a revision in the antibiotics policy.

To improve patient safety, the practices of consultants, residents and nurses working in the Gynaec OT were audited. The findings were circulated and improvements are being monitored. Interventions based on findings of a multi-disciplinary team - probing hospital-acquired infections in the ICU - has brought about a significant reduction in central line and other infections.

Humane Care: The Humane Care Group continued its efforts to sensitise all levels of patient-care staff on the crucial need to adopt a humane attitude. There are three main aspects to this sensitisation: Education & Training, Patient Care, and Research.

Education & Training: Value Vision activities, comprising cognitive style assessment, guided meditation-relaxation and stress management were carried out to sensitise staff about the humane dimensions of self-development and care. A workshop conducted on 'Consciousness-based Approach to Patient Care' for postgraduate students and interns offered in-depth knowledge and hands-on training on fundamental aspects of patient care, especially physiotherapy and self-development.

Jyotiben Thanki's (Advisor, Children's University) workshop on Humane Care for the Hospital's nursing staff and students addressed aspects of the noble profession of nursing and the individual qualities needed to be a caring and efficient nurse.



Undergraduate students took part in a lamp-lighting and oath-taking ceremony for the Medical College's clerkship programme, symbolising their initiation into active involvement of patient care.

Topics on Humane Care have been incorporated in the foundation courses for undergraduate students. 'Evolve Meetings' - an initiative to awaken the spiritual consciousness of students - are held in collaboration with the Medical Education Unit, and students are sensitised to the significance of prayer, meditation and empathy.

Teaching sessions on 'What is not taught in Medical Education, but must be taught' were conducted for postgraduate students of the Department of Medicine.

The Department of Ophthalmology and the KM Patel Institute of Physiotherapy incorporated a session of Prayer and Meditation at the commencement of their day's work. The faculty, postgraduate and undergraduate students, interns and patients participate together, helping create an atmosphere of peace and serenity in the workplace.

Patients & Other Care: 'Code Krishna', the innovative patient-care practice institutionalised last year as an expression of respect and care for terminally or deceased patients, has become an integral part of the end-of-life care practice in the Hospital. The spontaneous feedback from the family of patients who have passed away has been extremely gratifying.

As for the caregivers themselves, a three-week Wellness Clinic pilot programme was organised in October-November 2015.

It featured a mental and physical fitness programme, a closely monitored and customised diet and self-empowering sessions of yoga and meditation. The combined effect of these is expected to help individuals develop inner composure and an integral oneness with the self.

Research on Effective Learning:
Awareness of the cognitive diversity of medical students and teachers is a valuable resource for metacognition (thinking about thinking) and enables effective learning. A higher incidence of right brain cognitive style – controlling

holistic, intuitive and pictorial thinking as against the left's logical, analytical style – in clinical years is said to enhance learning.

A cognitive style assessment (using the Alert Scale) was carried out on teachers and students of the College. The results of the study should help in designing pedagogic interventions to achieve cognitive interaction between teachers and students.

A paper on 'Innovation in Education for Adolescents', presented at the National Consultation on Adolescent Health at the H M Patel Centre for Medical Care and Education, highlighted innovative practices of cognitive assessment and the initial steps for introducing guided meditation institutionally towards better health amongst students.





QUALITY IMPROVEMENT:

The Perennial Quest for Excellence

The constant pursuit of the Quality Improvement Group has been to improve the Hospital's services which may be internal to the organisation, yet the results also benefit the patient.

This year, the cohesive efforts of all departments were synchronised, resulting in enhanced performance. After receiving accreditations for the Laboratories, Blood Bank, Imaging Centre and the Hospital as a whole, the Group set itself the target of taking nursing care to the next level, undergoing the assessment for Nursing Excellence during the year.

The Group made efforts to ensure that the technical parameters required for the eligibility of a Green OT Certification were met and sustained. This resulted in the Hospital receiving the prestigious 'Green OT Certification'

for its compliance to the highest quality and safety parameters for patients and healthcare workers in the operation theatre.

In February 2016, Shree Krishna Hospital went on to win the 'Green Hospital Award' given by the Association of Healthcare Providers, India (AHPI). The endeavour to make the campus environmentally safer by reducing plastic and medical waste was led by the QI Group and zealously followed by the rest.

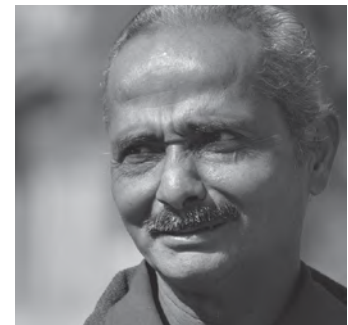
Our Real-Life Heroes

In following the dictates of everyday routine, we tend to overlook the daily contribution of caregivers. On July 1, Doctor's Day, doctors and residents were greeted with cards, chocolates and badges inscribed with 'Everyday Heroes', in acknowledgement of their commitment and dedication to saving human lives.



Stories, Straight from the Heart

I am Morli Sindhi, a 56 year old vegetable vendor. I was brought to Shree Krishna Hospital in an unconscious state after I met with a near fatal road accident. I am extremely fortunate to the humane doctors who performed a high-risk brain surgery and granted me a new lease of life. Lack of funds did not hamper my treatment and I am really thankful to the Shree Krishna Hospital for supporting me by raising funds for the treatment. Thanks to the donors and the Hospital, I am now able to live a new life.



REBIRTH FOR YASHI

Yashi was only seven months old, when she was diagnosed with congenital heart disease with a large Atrial Septal Defect (hole in the heart since birth). The world came crashing down for Yashi's father, Jalajbhai, who worked in a shop.

Treatment required Atrial Septal Defect Closure. With a meagre income, the family was not in a position even to afford the cost of highly subsidised treatment. The hospital appealed to donors to come forward and save the child. Thanks to the generous support of donors, Yashi underwent ASD Closure with a scar-free technique. Yashi is today cured and lives a healthy life.



Meducation

PRAMUKHSWAMI MEDICAL COLLEGE

Expanding Medical Education

The Pramukhswami Medical College (PSMC) is working towards increasing the number of seats for the MBBS course from 100 to 150. Following an inspection by the Government of Gujarat, the requirements of additional infrastructure and staff are being put in place. Sources of funding at various stages are also being addressed.

Highlights of the major events organised during the year:

- The Dept. of Physiology organised its 10th Annual Physiology Quiz and Physiology Academic Meet - ANUPAM - on April 10, 2015, followed by a symposium on the theme, 'Physical Exercise: Role in Health and Disease' the next day. To motivate research culture amongst students, a competition for the Best Research Paper (oral category and poster category) was also organised.
- More than 150 delegates including doctors, NGOs, social workers and trainers attended the three-day workshop on 'National Consultation on Adolescent Health' organised by the College jointly with the Indian Association of Adolescent Health.
- About 500 practising surgeons including PG students from 11 colleges attended the State-level GUJSURCONF 2015 hosted by Shree Krishna Hospital and the Anand Surgeons Forum. The conference included a live workshop on laparoscopic and endoscopy surgery.
- As part of the HM Patel Programme for Medical Excellence,

the 11th HM Patel Memorial Lecture was delivered on November 30, 2015 by Dr. Anil Patel, the founder trustee of ARCH (Action Research in Community Health and Development) on the topic 'Public Health Crisis: Under the Lens of a Rationalist'.

Meanwhile, the PSMC faculty and students continued to win prizes and praises.

- An MBBS student won the 1st Prize at the State-level Inter College Biochemistry Quiz Competition held at Gujarat Cancer Research Institution, Ahmedabad, on March 27, 2015.
- A resident of the Skin & VD Dept. won the 2015 Dr. BH Shah award for Best Paper, third time since its inception for last six years.
- Dr. Prof. Haridas-Head, Dept. of Biochemistry released his second book titled 'Biochemistry for Medical Students', published by the New Central Book Agency, Kolkata.
- Dr. Nitin Raithatha, Professor, Dept. of Obs & Gynae, earlier empanelled as an assessor for Clinical Trials conducted by NABH (National Accreditation Board for Hospitals & Healthcare Providers), is now empanelled for multiple assignments.
- Two abstracts of Dr. Somashekar Nimbalkar, and two abstracts of Dr. Dipen Patel, Professor and Associate Professors in the Dept. of Paediatrics were accepted for poster presentation in the International Pediatrics Academic Societies Conference at San Diego, California (USA), held April 25-28, 2015.





- Associate Professor, Dept. of Pharmacology Dr. Anuradha Joshi was felicitated by Dr. GN Singh, Drug Controller of India and Secretary-Cum-Scientific Director - Indian Pharmacopoeia Commission in the Central Ministry of Health & Family Welfare, for an audiovisual prepared for the National Pharmacovigilance Programme.
- Two scholars of PSMC, under the guidance of Dr. Prof. N Haridas-Head, Dept. of Biochemistry were awarded Ph.D degrees in Medical Biochemistry.
- Dr. Prof. Soaham Desai, Dept. of Neurology, won a Travel Grant Award for his research paper presented at the 5th Asia Oceanian Movement Disorders Conference, held in Manila (Philippines) in March 2016. It was one of 18 papers selected for the award from 500 submissions from across the world.

Extra-curricular activities during the year included:

- Dr. RD Jadeja, eminent yoga expert and Director of Lakulish University, Ahmedabad, conducted special yoga sessions over two days. A qualified yoga teacher also conducts classes for staff and students for a nominal fee.
- For 'Happiness Drive', the students of PSMC, along with the Physiotherapy Institute, collected clothes, footwear, stationery, toys, books, bags, etc. from students and staff members of CAM. These were handed over to volunteers of the NGO Bachpan, that works with slum children of Anand district. Some students have begun to educate slum children in their free time; while members of the faculty, UG & PG students participated in regular health check-ups and awareness programmes arranged by Bachpan.

Learning to be All-Rounders

Medical education at PSMC aims to impart knowledge on a much wider spectrum than that of a typical medical college, so as to equip students with competence and sensitivity. To ensure that students get a wholesome environment to flourish and optimise their potential, various functional groups led by experts, focus on imparting effective all-round medical education.

Clinical Training: This Group focuses on reducing traditional didactic lectures in the Clerkship programme for final year MBBS students and increasing clinical exposure. Batches of students are sent to clinical departments; including Medicine, Surgery, Obstetrics & Gynaecology, Paediatrics and Orthopaedics. The pre-scheduled clinical exposure programme ensures optimum practical learning for students while being able to cull out hours for PG preparations as well. In addition, the Group streamlined the Skill Labs which help students learn

basic procedural skills on mannequins.

Changes in the Internship Training format helped develop competency-based learning which was lacking in the traditional curriculum, and enabled UG students gain experience by learning under the guidance of Residents. The unit-based programme was changed to location-based, with varied postings in the OPD, Ward, Labour Room, ICU, OT and TEC units instead of being assigned to just one particular unit.

To enrich practical experience at the UG level, students were posted at various community centres, enabling them to work on a wider variety and larger number of patients. This year, two interns were sent on a two-week posting to Jan Swasthya Sahyog at Bilaspur in Chattisgarh, recently added to the list of rural centres. This novel concept which aims at instilling better quality of clinical expertise in MBBS doctors is also endorsed by the MCI (Medical Council of India).



Assessment: The Assessment Group focused on making assessment methods effective so that results reflect the actual potential of the student. Therefore, this year the practical assessments for MBBS I, II, III were standardised and the components for evaluation too were made uniform for viva, practicals and oral exams. The new method implies use of assessment parameters which help determine the calibre of the student, and help students make focused preparations. To have an impact of this on external exams as well, a common format for examiners' reports was submitted to the University to solicit recommendation of external examiners.

Professional Development: Faculty members participated in national and international workshops and conferences. Eighteen faculty members

are undergoing Fellowships in Medical Education (FIME) at the MCI Nodal Centre for Faculty Development at the Pramukhswami Medical College.

Requests for Continuing Professional Development (CPD) grew with increased interest shown by junior and middle level faculty. Of the 424 CPD requests for participation in national, international events and study leave, 95 received financial support from CAM. Presentations at national and international fora by PSMC faculty has nearly doubled. An increasing number of faculty members from our Institution were invited as guest speakers, resource faculty and experts.

A web-based documentation system of CPD activities, operational since 2013, was further refined during the year and is now being used by all the faculty.





Student Support: The guiding philosophy of the Student Support Group is to nurture the overall development of students and motivate them to achieve their potential. Its activities during 2014 - 15 covered:

Students Council Selection: The revised Student Council for the 2nd year MBBS students (2014 batch) was formed in August 2015.

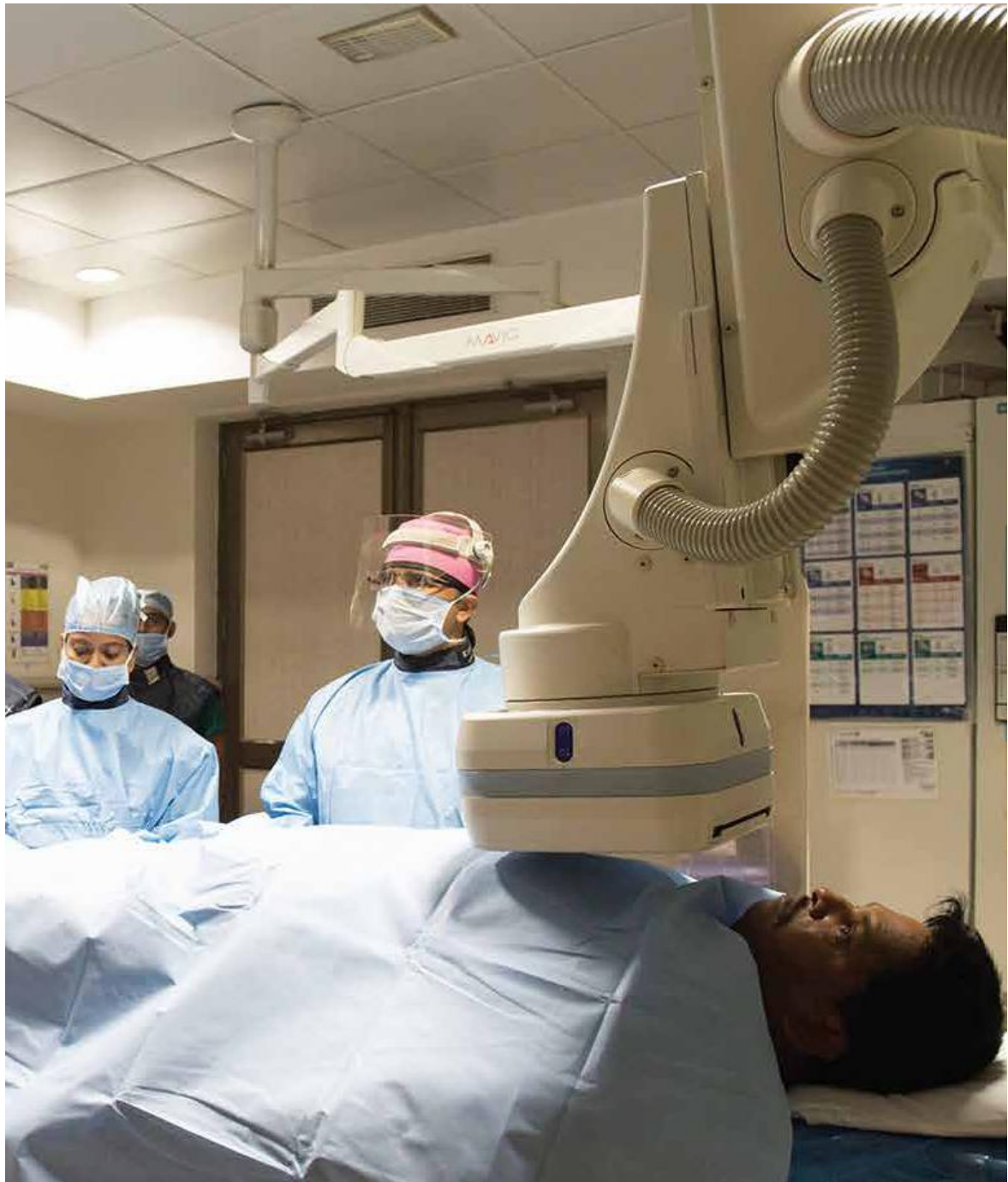
Sports: Both student and staff teams from CAM institutions and alumni participated in the HM Patel Night Cricket Tournament 2015, and a tennis-ball cricket tournament from October 5 - 15, 2015. PSMC students organised the State-level 7th HM Patel Night Football Tournament from April 27 - May 1, 2015. Ten teams participated including two from other colleges.

'Med-Olympics 2015', the 4-day intra-campus mega sports event (both indoor and outdoor games) was held from October 7 2015 at PSMC with 375 students and 75 faculty members keenly participating in.

Blood Bank Directory: The 2nd MBBS 2014 batch created their own Directory for the Blood Bank. 26 students registered themselves as blood donation volunteers.

Debate Contest: In the HM Patel Debate Competition (August 11, 2015), medical student Pushti Mazmudar participated in the debate on the 'Right to Information Act'.

Mentorship Programme: The Mentorship Programme for the 2014 batch students continued for the second year. About 30 mentors were selected by the students.



HM PATEL INSTITUTE OF POSTGRADUATE STUDIES

- A one-year Fellowship course in Critical Care has been started with the approval of the Indian Society for Critical Care Medicine.
- The Medical Council of India has granted permission for one additional seat in each of the courses of M.S. (Ophthalmology) and M.D. (Skin & VD) from the academic year 2016-2017.
- There were 596 applicants for the Pre-PG All India Common Entrance Exam, conducted by SP University on January 20, 2016, for admission to 70 PG seats, both degree and diploma.

KM PATEL INSTITUTE OF PHYSIOTHERAPY

Reaching Out to the Physically Challenged

More than two per cent of the total population of India is physically challenged. In Anand district itself, there are more than 40,000 such registered persons. Various institutions and departments of the Mandal, along with a dedicated Physiotherapy Institute, have been working to support the physically challenged in various clinical departments such as ENT, Ophthalmology, Orthopaedics, and Psychiatry.

To receive aid from external agencies so as to provide better treatment and special care to the physically challenged, Charutar Arogya Mandal was registered under the Persons with Disabilities Act-1995, for a period of one year.

Patient Care: During the year, innovative orthotic appliances were designed – these customised appliances provide more comfort and pain relief than the commercial options available.

The Special OPD at the Cancer Centre offered services to 449 cancer patients.

During the year, 28,739 patients were treated in the OutPatient Department and 25,237 on indoor basis.

Community Extension: The Institute has extended its services to patients who are not in a position to come to the Hospital. In doing so, it not only treats the physical pain of patients but also injects a sensitive attitude in budding health professionals.

Rural outreach programmes were organised at Sinhol, Gamdi, and Bakrol villages where 210 patients with various impairments and disabilities were treated.





The Institute provided sports physiotherapy services to the National Volleyball Team during the State-level Summer Coaching Camp, at Nadiad (April 28 - May 17, 2015), and to the National Football Players of Khelmahakumbh at the Summer Coaching Camp (April 24 - May 18, 2015). The Sports Authority of Gujarat organised both the camps.

The Institute tied up with the Rangers Football Academy of Anand for the fitness screening of children up to Standard X, and to attend to sports injuries. The students were taught the importance of proper exercises, maintaining physical health and building a strong body.

Vidhya Club Inaugurated: The Institute celebrated its annual event 'Physio Pulse', the amount generated at the function was utilised to start the 'Vidhya Club - Each One, Teach One'. The club aims to educate underprivileged children, in this case students from Gokalpara village situated close to the CAM campus.

'Donate Instead of Destroy': Old newspapers and magazines collected from the Mandal's employees were sold to generate funds to support persons with disabilities coming to the hospital. Some of the proceeds went towards donating an AFO (Ankle Foot Orthosis) to a paediatric patient undergoing physiotherapy for the last two years. The exercise is now repeated regularly to serve other needy patients.

Cricket for the Visually Impaired: A special cricket match was organised by the Institute for visually impaired students of Mitra School of Rehabilitation, Mogri, in February 2016. The event both motivated the players and sensitised the spectators.

World Physiotherapy Day: was celebrated on September 8, 2015

Disability Awareness Week: was celebrated from November 30 - December 5, 2015.

Tatraksham - The Institute's Clinic for the Differently Abled: The clinic which started in 2014 has continued to raise

funds for helping physically challenged underprivileged patients. It has helped over 30 patients till now by providing partial or complete concession in physiotherapy, occupational therapy and supportive devices to the ICU patients.

Academics

- The Institute organised a quiz competition for MBBS students on various aspects of physiotherapy with interesting rounds like buzzer, audio-visual, charades, and challenge.
- In collaboration with the PSMC, a two-day workshop along with practical exercises on 'Consciousness-based Approach to Patient Care' was organised from March 31 - April 1, 2016.
- To stimulate and ensure all-round growth and development among students, special talks were

delivered by experts on subjects such as: HIV, AIDS and Infection Control; Basic Life Support; Managing Stress; Introduction to Research Methodology; Orientation on Research Ethics; Time Management; Computers and ICT; Case Discussions; Professionalism and Ethics in Physiotherapy; Evidence-based Practice. A Journal Club was introduced as part of the PG curriculum to induce and enhance research culture among the residents. This is a monthly activity where residents research the published literature on given topics. The collected material is analysed and presentations are made. The Club aims at strengthening the student's basic analytical skills before they take up individual study topics.

- An educational visit to the Indian Spinal Injury Centre, New Delhi, was organised to learn more about complete rehabilitation of patients



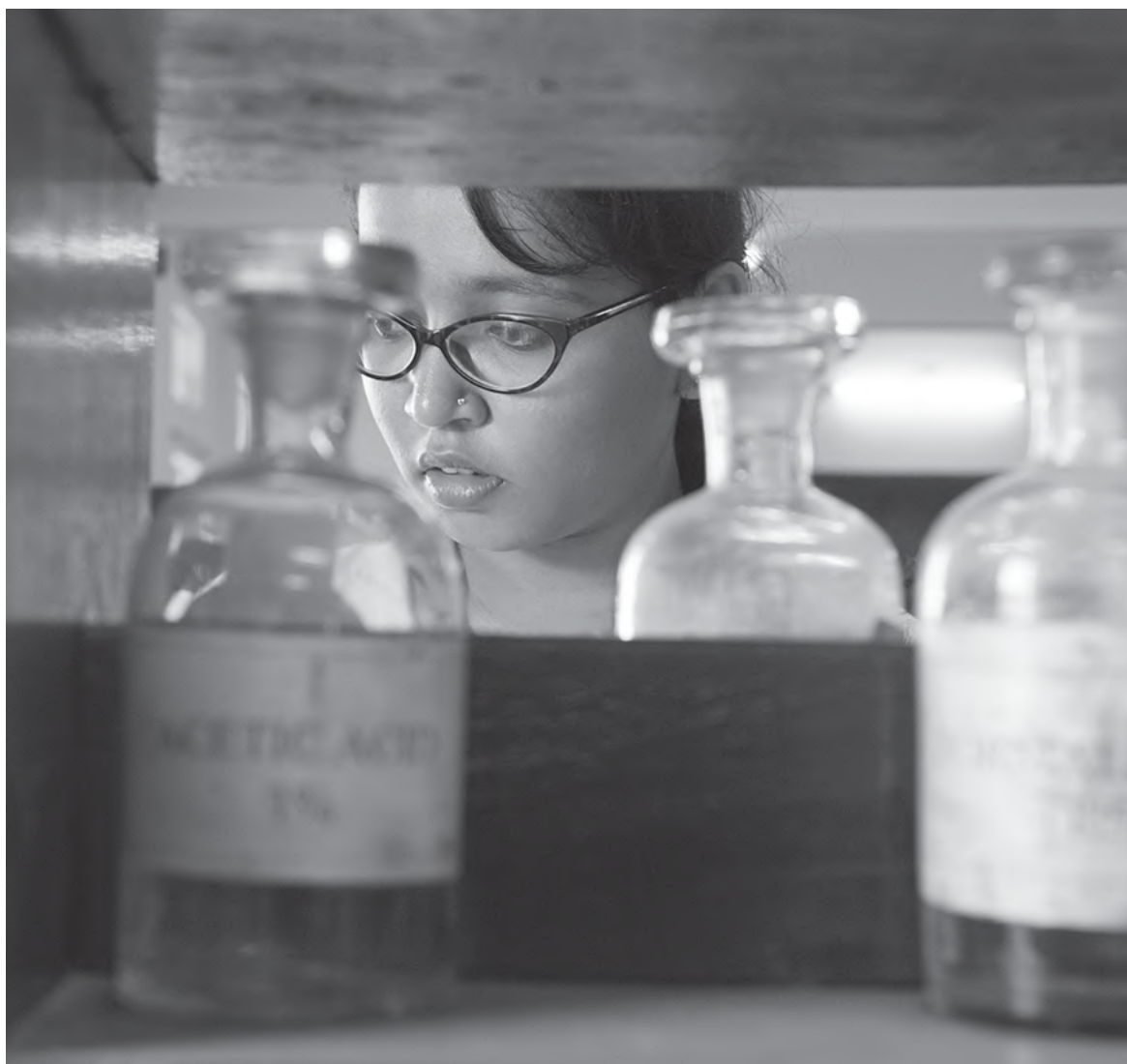
with spinal cord injuries.

- An orientation programme on the Physiotherapy Dept., and the Mentorship programme for the 10th batch (2015-17) of MPT (Masters in Physiotherapy) students was held on July 20, 2015.
- During the year, all 30 students who appeared for the final BPT (Bachelor of Physiotherapy) were declared successful.
- On completion of a research project on 'Attention-deficit Hyperactive Disorder and Learning Problem in Normal Schools', the Occupational

Therapist and Special Educator organised an awareness programme for teachers and parents.

- During the year, interns attended the 53rd IAP (Indian Association of Physiotherapists) conference at Shimla.
- At a farewell function, the 12th batch of interns were awarded Provisional Degree Certificates and Course and Internship Completion Certificates. Awards were presented for the best project and seminar presentation, and gold medals to the best out-going students.





SMT. LP PATEL INSTITUTE OF MEDICAL LABORATORY TECHNOLOGY

Raising the Bar

The LP Patel Institute offers numerous Undergraduate courses: Clinical Laboratory Technology, Radiotherapy Technology, Respiratory Care Technology, Operation Theatre & Anaesthesia Technology, Imaging Technology. Postgraduate courses like Diploma in Medical Laboratory Technology, Cardiac Care Technology, and Perfusion Technology in Master courses, and Ph.D. courses in the field of Allied Health Science and Technology.

Increasing awareness of these different courses among students and parents has resulted in 89 new admissions with a total of 182 students enrolled in 2016-17. This year a PG-Diploma course in Cardiac Care Technology was started where candidates are trained in conducting ECHO, ECG and TMT tests.

All the B.Sc. Medical Technology students of Radiotherapy course were absorbed by various cancer care centres. Our Radiotherapy course is the first and only one in the state to get an approval from the Atomic Energy Regulatory Board – a rare achievement.



THE SCHOOL AND COLLEGE OF NURSING

Nursing Council Gives Go-ahead

The GH Patel School of Nursing continues to offer a Diploma course while the College of Nursing (now known as Charutar Arogya Mandal College of Nursing) offers a Degree course in Nursing. The Gujarat Nursing Council inspected the School and College, and also the Hospital and affiliated Community Health Centre (in Anklav), Primary Health Centre (Morad) and Urban Health Centre (Petlad), and granted permission to continue the B.Sc. Nursing and Diploma programmes.

Student Liaison

Activities taken up during the year to promote all-round development of students were:

- An orientation programme for the newly-admitted General Nursing & Midwifery (GNM) and B.Sc. students was organised on Oct. 5, 2015. Its main objective is to make parents and students aware of the academic aspects of the course and the rules and regulations of the Institute, besides ensuring parental support in monitoring the progress of students.
- The candle lighting ceremony was held on March 2, and students of GNM and B.Sc. Nursing took the pledge.

- Intern students were given a Vocational Guidance orientation on March 4, 2016, on interview techniques, career opportunities, writing resumes, and professionalism.
- Nurses Day was celebrated on May 12, 2015. Poster and essay competitions were held on the theme, 'Care Effective, Cost Effective!'
- Sports Day, celebrated on December 17 - 18, saw huge participation by students as well as faculty. Saraswati Pujan was organised on February 12, and meditation sessions were organised from February 19-29, for students and faculty.
- Workshops on HIV/AIDS under the Global Fund for AIDS, Tuberculosis and Malaria Project were organised for the faculty from September 7 - 12 and from November 30 - December 5.
- A lecture on 'Prenatal Advice on Antenatal Mother Care' was conducted on October 3 for interns.
- Training on the 'University Management System' was organised on July 17 for the faculty.
- Industrial visits were set up on March 7 and 9 to the Elecon Group of companies where Third Year GNM students were given exposure on health concerns arising from industrial hazards.
- 62 students from both Degree and Diploma courses visited AMUL Dairy on March 9, 2016.
- To provide exposure to government administration, 23 First Year GNM students visited Karamsad Nagarpalika on March 5, 2016.

Training

- Training on 'Kangaroo Mother Care and Breast Milk Feeding' was organised on August 2 for Third Year students.





Growing Interest

Research

Research has contributed significantly to the progress made by medicine in the last century. It is essential for the academician to be proficient in the skills of research so that they can formulate applicable solutions for health problems. Regrettably, undergraduate and postgraduate students from most medical colleges in India rarely engage in research.

The Department of Community Medicine has a research initiative known as Problem Solving for Better Health (PSBH) which underlines the link between research and public health. However, the amount of funding available for these projects continues to be inadequate.

However, in the past few years, several of our young undergraduate medical students have shown an inclination to pursue research. The faculty actively encourage their interest and guide them. In addition to research techniques, the students have learnt soft skills such as team building, leadership skills, negotiation, and presentation skills during their research experience.

This year, during the celebrations of Foundation Day, a special award was announced for the department which has demonstrated excellent research work.

A number of students have presented their research at national and international fora and won laurels for their presentations. In April 2015 at the Paediatric Academic Societies in San Diego, California and in September 2015 at the European

Academy of Paediatrics in Oslo, Norway, Undergraduate and Postgraduate students presented their research abstracts. There have also been various presentations in peer-reviewed journals. Six of the 38 papers published in the previous year were authored by UGs, while the number of PG student authors is even higher.

In May 2015 at the Paediatric Academic Societies and in September 2015 at the European Academy of Paediatrics, research abstracts were presented, which were worked on by undergraduate and postgraduate students of our Institution.

The 'Resuscitation of Patients Guidelines' devised by WHO were changed across the world in October 2015. One of the research papers cited was from Charutar Arogya Mandal - it was enthralling to learn that the research done at Karamsad has helped influence the management of patients across the world.

In response to the innovative proposals submitted, CAM researchers were invited by the World Health Organization to participate in the Implementation Research Workshop.

For improved precision in statistical analysis, two members of the Institution's research team were given training in STATA. The Mandal's Central Research Services (CRS) has been strengthened with statistical software and hardware which is currently used across all premier universities. The staff receives mentoring from UMASS (University of Massachusetts) faculty for its use.

To strengthen research skills, the following capacity-building programmes were conducted:

- A statistics workshop was conducted by Prof. Alison from UMASS, USA, for all CRS members, on August 4-5, 2015.

- A workshop on Qualitative Research Methods was conducted by Dr. Amol Dongre on August 21 - 22, 2015.
- A workshop on Scientific Writing was conducted for all faculty members and students on September 3 - 4, 2015.
- A workshop on Research Methodology and Basics of Biostatistics was held at the Rajasthan University of Health Sciences, Jaipur on October 31 - November 1, 2015.
- A statistics workshop was conducted by Prof. Alison and Apurva Soni from UMASS for all CRS members, on January 4 - 5, 2016.

Umass-CAM Research Partnership

The UMASS-CAM MoU, now two years old, has witnessed significant developments. Undergraduate and Postgraduate students and faculty from UMASS who visited our Institute included Prof. Jeroan Allison, Prof. Patricia Mquillkin, Prof. Payal Modi, John Trobough, Dr. Abraham Jaffe and Apurva Soni. In a session for faculty and students, the experts discussed developments and opportunities in areas such as Faculty Development, Virtual Training, Clerkship, and avenues in collaborative research.

The two ongoing projects with UMASS are:

'Predictors of Maternal and Child Health in India', which involves the Obstetrics and Gynaecology, Paediatrics and Psychiatry Departments, and the 'Trauma Project' which involves the Surgery, Central Research Services and Extension Departments.

COMPLETED RESEARCH PROJECTS

K M Patel Institute of Physiotherapy

- Dr. Deepak Ganjiwale et al. Association of quality of life of carers with quality of life and functional independence of stroke survivors.
- Dr. Deepak Ganjiwale et al. Occupational therapy rehabilitation for upper limb functioning using interactive computer gaming.
- Dr. Deepak Ganjiwale et al. A novel surgical correction and innovative splint for swan neck deformity in hypermobility syndrome.
- Dr. Deepak Ganjiwale et al. Quality of life and coping strategies of caregivers of children with physical and mental disabilities.

Department of Biochemistry

- Dr. Hitesh Shah et al. Study of glycated haemoglobin (HbA_{1c}) in non-diabetic subjects with subclinical hypothyroidism.
- Dr. N Haridas et al. Levels of apolipoprotein A₁, apolipoprotein B₁₀₀, lipoprotein (a) in controlled & uncontrolled diabetic patients and in non-diabetic healthy people.
- Dr. N Haridas et al. Comparison of serum lipid profile, C-reactive protein and fasting blood sugar of the patients of acrochordon with healthy controls.
- Dr. Hitesh Shah et al. To study the correlation of glycated haemoglobin and vitamin D levels in type 2 diabetes mellitus.

Department of ENT

- Dr. Girish Mishra et al. Significance of Sentinel node biopsy in head & neck cancers.
- Dr. Yojana Sharma et al. Correlation of clinical findings on nasal endoscopy with CT scan PNS.
- Dr. Yojana Sharma et al. Clinico etiological profile of adult primary epistaxis.

Department of Pathology

- Dr. Faruq Mulla et al. Assessment of donor return following temporary deferral in a blood bank attached to tertiary care hospital.
- Dr. Monica Gupta et al. A study of vertical quality audits at a transfusion centre.
- Dr. Sanjay Chaudhari et al. The study of platelet volume indices in patients of coronary artery disease.
- Dr. Menka Shah et al. Histopathological study of small round cell tumours(a prospective and retrospective study of 5 years).

- Dr. Keyuri Patel et al. Analysis of turn around time delay in pathology laboratory for OPD, trauma and emergency care unit and intensive care unit of tertiary care hospital.

Department of Microbiology

- Dr. Yagnesh Pandya et al. A study on clinical profile and antimicrobial drug resistance in infection with *Stenotrophomonas maltophilia* at tertiary care hospital of rural Gujarat, India.
- Dr. Yagnesh Pandya et al. Identification, microbiological characterisation, patterns of antibiotic resistance and factors associated with urinary tract infections in hospitalised patients.

Department of Medicine

- Dr. Sanket Sheth et al. Study of association between hypothyroidism and metabolic syndrome.
- Dr. Sanket Sheth et al. Post exposure prophylaxis for HIV & Hepatitis B: our experience of eleven years a rural based tertiary care teaching hospital in India.

ONGOING RESEARCH PROJECTS

Department of Biochemistry

- Dr. N Haridas et al. Retrospective study of diagnostic accuracy of laboratory parameters in septic conditions.
- Dr. N Haridas et al. Effect of microcytic hypochromic anaemia on glycation of haemoglobin in non-diabetics.
- Dr. Hitesh Shah et al. Study of serum lipid profile and serum uric acid in type II diabetes mellitus patients.
- Dr. N Haridas et al. Study of vitamin D₃ level in non-diabetic patients with subclinical hypothyroid.

Department of ENT

- Dr. Yojana Sharma et al. Comparative Study of outcome of type I tympanoplasty in chronic otitis media active mucosal disease (wet ear) v/s chronic otitis media inactive mucosal disease (dry ear)
- Dr. Girish Mishra et al. Study of students of mastoid antrum and aircell per operatively in chronic otitis media
- Dr. Girish Mishra et al. Developing micro nuclei assessment from buccal mucosal smears as a potential tool for mass screening of oral carcinoma.

- Dr. Yojana Sharma et al. Quality of life in head and neck cancer patients.

Department of Pathology

- Dr. Kirti Rathod et al. Knowledge, attitude and beliefs of young collage student blood donors about HIV/AIDS.
- Dr. Keyuri Patel et al. Histopathological study of brain tumors (prospective and retrospective study of 10 years).
- Dr. Sanjay Chaudhari et al. To do clinico-pathological study of prostatic lesion in relation to histological pattern, PSA level and volume of prostate.
- Dr. Faruq Mulla et al. Incidence and clinico-pathological correlation of cervical carcinoma at Shree Krishna Hospital, Karamsad.
- Dr. Monica Gupta et al. Evaluation of high risk pathological features with regards to HPV status - A retrospective analysis of squamous cell carcinoma of head and neck patients treated with curative intent at a rural based cancer centre in Gujarat.
- Dr. Menka Shah et al. Hematological profile of chronic kidney disease patients in pre-dialysis stages and after initiation of haemodialysis.
- Dr. Kirti Rathod et al. Histopathological study of nasal, paranasal nasopharynx lesions.
- Dr. Faruq Mulla et al. Evaluation of quality indicators in pre-analytical, analytical and post analytical phases in haematology laboratory at Shree Krishna Hospital as an improvement tool.
- Dr. Keyuri Patel et al. Effect of donor variable and lab factor on single donor platelet yield.
- Dr. Sanjay Chaudhari et al. Coagulation profile in eclampsia and pre-eclampsia patients.
- Dr. Kailash Inaniya et al. Study of haematological profile in patients with isolated low serum vitamin B12.
- Dr. Menka Shah et al. Zymographic detection and clinical correlations of mmp-2 and mmp-9 in sera of breast tumors in females.
- Dr. Menka Shah et al. Liquid-based cytology - new possibilities in the diagnosis of cervical lesions in India.
- Dr. Hetal Joshi et al. Analysis of wastage of blood component in blood bank of tertiary care hospital.

Department of Microbiology

- Dr. Rupal Patel et al. Intestinal parasitic infections in HIV-1 sero-positive individuals and its correlation with CD4 cell count in a tertiary

care teaching hospital, Gujarat.

- Dr. Rupal Patel et al. Hepatitis B immunization status of healthcare personnel.
- Dr. Rupal Patel et al. Use of Item analysis to improve quality of Multiple Choice Questions in II MBBS.
- Dr. Suman Singh et al. Performance evaluation of two separate immunochromatography test kits with microwell ELISA test for detection of dengue IgM antibodies.

Department of Medicine

- Dr. Sanket Sheth et al. Comparative study of internal jugular vein collapsibility-distensibility index and carotid velocity time integral with inferior vena cava collapsibility-distensibility index to assess intravascular fluid status in critically ill patients.
- Dr. Sanket Sheth et al. Asymptomatic diastolic dysfunction in less than 60 years of age: is it associated with conventional cardiovascular risk factors?

LIST OF PUBMED INDEXED PUBLICATIONS BY FACULTY OF CAM

1. Benefits of not Prescribing Prophylactic Antibiotics After Third Molar Surgery.

Prajapati A, Prajapati A, Sathaye S. *J Maxillofac Oral Surg.* 2016 Jun;15(2):217 - 20. Doi: 10.1007/s12663-015-0814-1. Epub 2015 Jul 5.

2. A Rare Association of Pili Multigemini and Rolled Hairs in a Young Female. Nair PA, Kota RS, Gandhi S, Singhal RR. *Int J Trichology.* 2016 Jan - Mar;8(1):29-31. Doi: 0.4103/0974-7753.179401.

3. Intraosseous Ganglion Cyst of Scaphoid: A Rare Bone Tumor. Salunke AA, Kanani H, Singh S, Sheth H. *J Cancer Res Ther.* 2016 Jan - Mar;12(1):426-8. Doi: 0.4103/0973-1482.172591. No abstract available.

4. Comparison of Partial Thickness and Full Thickness Tragal Cartilage Graft During Modified Cartilage Shield Tympanoplasty for Type I Procedures. Vadiya S, Bhatt S. *Indian J Otolaryngol Head Neck Surg.* 2016 Mar;68(1):30-3. Doi: 10.1007/s12070-015-0830-y. Epub 2015 Jan 28.

5. Acrokeratosis Verruciformis of Hopf Clinically Mimicking Epidermodysplasia Verruciformis. Diwan NG, Jivani NB, Nair PA. *Indian J Dermatol.* 2016 Mar - Apr;61(2):237. Doi: 10.4103/0019-5154.177783.

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Developing Insights in Community Health

Community Extension

Community Extension, one of our four thrust areas, practises the Mandal's core belief: to take quality medical care to areas where it hasn't sufficiently reached or reached at all. The Mandal's strategy is to work towards making healthcare accessible to everyone through Extension Centres set up in remote locations and through various social outreach programmes, that spread awareness on health concerns.

Public Health Think Tank: The Public Health Initiatives Group is a think tank that plans, organises, appraises and streamlines the Mandal's health endeavours at a grassroot level. The Group conceives ideas to address health

issues affecting people at large, understands the requirement of significant interventions at community level, helps in developing research and studies, assesses CAM's role in addressing health concerns, and strengthens the effort towards a three-tiered model of healthcare.

Plans are executed by the Community Extension team. Significant developments during the year were:

CANCER PREVENTION AND CARE

This five-year programme started in 2014, supported by the Sir Ratan Tata Trust, has a significant role in the Mandal's efforts to reach out to the community. It aims to encompass all phases of cancer; starting from influencing vulnerable groups, prevention, and extending to palliative care for terminally-affected patients.

The activities of the programme are defined to meet three broad goals:

- Raising awareness about cancer at a community level and influencing stakeholders to adhere to healthy practices;
- Detection of cancer cases in its early stages and facilitating appropriate treatment; and
- Providing palliative care and relief to terminally-ill cancer patients in the community.

Raising Awareness

- During the year, an orientation programme on cancer awareness was conducted in 34 more villages at local institutions taking the total number of villages covered to 90.
- A two-day training was held on initiating programmes and collecting household survey data.
- Two one-day training programmes were organised on how to collect

verbal autopsy data, followed by one-day field training.

- 356 volunteers were sensitised over 33 training days to initiate tobacco cessation activities.
- Sensitisation of school teachers and principals to de-addiction, with an emphasis on practical issues, was taken up so as to influence children against the consumption of tobacco which frequently starts at a school-going age. One of the schools which demonstrated how addiction could be addressed by involving students and parents was identified as a role model school, and the Principal was asked to share his experiences with workshop participants.
- More than 2,400 school children were given health education by the VHWs (Village Health Worker) and Field Staff on tobacco cessation.





- Sakhi Mandals are influential groups at community level. A total of 655 Sakhi/Bhajan Mandal women were trained in Menstrual Health and Self Breast Examination, as also in discouraging tobacco addiction.
- Twelve tobacco-free zones have been created in panchayats, milk co-operatives, temples, banks, schools and other public institutions to curb the consumption of tobacco.
- 600 health education messages have been displayed on public transport vehicles and 30 posters in three recently-adopted villages.
- 18 training sessions were conducted to promote genital hygiene in schools. 925 adolescent girls participated.

Detection of Cancer Cases:

- A household survey identified 3,752 at-risk patients who were then referred to cancer screening

camps at community level.

At each camp, 32 patients on an average were identified and referred to the Hospital for diagnostic confirmation.

- Swiss Glascoat Ltd. funded the cost of conducting confirmatory tests (Biopsy/Mammography/FNAC) at the Extension Centres. Camps were conducted at the Petlad and Bhadran Extension Centres and the Sevaliya Secondary Care Hospital.

Providing Palliative Care:

Extension Teams have identified nearly 40 cases of cancer in their terminal stage from our programme villages. Following this, a team of a medical officer, a paramedical assistant and a supervisor visited these patients at their homes, assessed their condition, gave medicines, and helped dress wounds. The efforts aim at reducing the physical pain the patient suffers by extending care at their doorstep.

Research Underway

The research initiatives taken up at a Community Level were:

- i. Research projects under the Cancer Prevention and Care Programme:
 - i. Evaluation of Tobacco Control and Menstrual Hygiene Promotion Activities at School Level: A baseline assessment in six programme schools and control schools was carried out to understand the effects of our intervention for promoting menstrual hygiene practices. Based on this study, a paper was presented at a national conference to disseminate the findings which indicated that while the use of sanitary napkins was satisfactory in the programme schools, the status of practices related to menstrual and personal hygiene was not satisfactory.
 - ii. Screening outcomes for Breast and Cervical Cancer Screening

in Camps: The study aims to measure the number of village women in vulnerable age group undergoing screening in the breast and cervical cancer camps, and positivity among the patients. The findings will help identify factors which influence women's participation.

- iii. Evaluation of training sessions on Breast Self-examination using mannequins: This aims at comparing the effect of Breast Self Examination (BSE) training using a mannequin with the conventional approach using audio-visual aids on the knowledge, attitude and practices of rural women.
- iv. Evaluation of VHW training on Blood Pressure and Blood Sugar Measurement: To measure the effect of VHW training on their capability to independently measure blood pressure and blood sugar using a checklist.



2. Others:

'Use of Verbal Autopsy for Assessing the Causes of Death in the Villages of Anand and Kheda Districts of Gujarat' in collaboration with the Centre for Global Health Research, Toronto:

Mortality measurements are key to monitoring trends in the health condition of populations, detecting new epidemics, evaluating the success of control programmes, and improving accountability in expenditure on disease control.

In most developing countries, medical certification of cause of death is grossly inadequate. Hence, verbal autopsy is a method used to ascertain the cause of death based on an interview with the next of kin or other caregivers. This study is designed with the following objectives:

- i. To assess the causes of death in rural Gujarat using data collected by a lay reporter and coded by physicians.
- ii. To compare the causes of deaths collected from data by the lay

reporter and those collected by the physicians.

- iii. To compare the performance of Computer Coding of Verbal Autopsy (CCVA) with Physician Certified Verbal Autopsy (PCVA) at population level.
- iv. A research project has been taken up in collaboration with Genome Research Centre, MS University (Vadodara), to study the pattern of MicroNuclei (MN) in buccal mucosa samples of participants at various stages of oral cancer development. This is to establish the MN cut-off in categorising high-risk groups for oral carcinoma, and to assess usefulness of buccal mucosa cytology reports in recommending high-risk individuals to attend further diagnostic clinics. Study participants will be enrolled in cancer screening camps that are part of the Cancer Prevention and Care Programme and at the ENT OPD of the Hospital.





3. Burden of Injuries:

This study supported by University of Massachusetts (UMASS) is to assess the burden of injury in villages served by the Extension Programme Department focusing on the following aspects:

- i. Injury mechanisms
- ii. Epidemiology of injured patients in these villages
- iii. Trauma-related mortality
- iv. Post-injury care received (if any)
- v. Injury-related disability and socio-economic consequences

EXTENSION CENTRES

The Secondary Care Centre at Sevaliya is one of CAM's most significant initiatives, considering its distance from the hospital, its location - which is predominantly a tribal belt - and the dearth of quality medical service options available there.

While operationally it is a challenge to manage the Centre optimally, the level of services provided and the kind of cases handled serve the core purpose of extending essential care to the needy.

The presence of a full-time gynaecologist at Sevaliya enabled the handling of many critical cases with



efficiency and success. To maintain the continuity of these services in the absence of a gynaecologist, the medical officer and a community medical professional were provided training at a secondary care facility in Umreth.

The services of an orthopaedics consultant have been added at the Centre on selected days of the week. The Operation Theatre has been upgraded with facilities for taking up minor ortho-related surgeries, which has resulted in a rise in the number of patients coming in for physiotherapy.

There has been a significant rise too in the number of emergency cases brought to the Trauma Centre at Sevaliya. The services of the medical officers available round-the-clock has also contributed towards a growing faith in the community. The services of radiologists have been started twice a week. In all, during the year, 7,508 outdoor patients were treated at the Centre and 305 in-patients.

Nearly 54,000 patients were treated at other Extension Centres at Bhadrans, Petlad, Agas, Ardi and Anand Agriculture University Health Centres.

SPARSH – SHREE KRISHNA HOSPITAL PROGRAMME FOR ADVANCEMENT OF RURAL AND SOCIAL HEALTH

The Sevaliya Secondary Hospital (SSH) is linked with a cluster of 30 villages, and other extension centres of Shree Krishna Hospital are linked with the remaining 60 villages adopted by the Mandal. The linkages will be facilitated by three levels of care: the VHWs (Village Health Workers) and Mobile Health Teams at a grassroots level will be the first contact; the Sevaliya Secondary Health Centre at the intermediate level; and the Shree Krishna Hospital (SKH) at the tertiary level – depending upon the severity of illness and management capacity.

Each level of care will be connected to the other for referral of patients and support as regards supervision, monitoring and capacity building. Similarly, there will be a system of back-referral wherein patients from the Sevaliya region receiving treatment at the SKH are referred

back to SSH for follow-up care, and those from SSH are referred back to the villages for follow-up care. Thus a continuum of care is expected to be established with a more co-ordinated effort in ensuring that healthcare is made accessible to persons located farther away from a healthcare facility.

At present, a service delivery platform has been created in these villages as part of the Cancer Prevention and Care Programme. This platform will be used as a launch pad to implement a more comprehensive programme to address other common complaints such as Malnutrition, Hypertension, Diabetes Mellitus, Cardiovascular diseases, Stroke, Post-operative Care, etc – that is, conditions which are not or inadequately addressed by the Government and other Non-Governmental agencies.

This latest initiative is jointly funded by GMM Pfudler, Karamsad and the Shamdasani Foundation based in Hong Kong. It aims at strengthening the three-tier model of healthcare delivery in 90 villages of Anand and Kheda districts.





Endeavours Behind the Scenes

Support Groups

FUNDRAISING

The Fundraising Group is responsible for seeing that no patient goes untreated due to the lack of money.

Charity Concert: A charity show featuring 'Ankit Tiwari – Live' was organised January 9, 2016. The event, attended by nearly 5,500 supporters, raised ₹110 lakhs which will be used for the treatment of needy patients.

Coordination with Tata Trusts: The Group coordinated with Sir Ratan Tata

Trust, Navajbai Ratan Tata Trust, Jamshedji Tata Trust, Sir Dorabji Tata Trust and Sarvajanik Seva Trust from Mumbai, receiving an amount of ₹136 lakh for treatment.

GiveIndia: The Mandal received donations amounting to nearly ₹43 lakh for needy patients through GiveIndia, the online donation platform.

Newspaper Appeals: This year, a number of generous donors came forward in response to 54 patient appeals placed in various publications.

Bhojan Daan: A donation of ₹10.42 lakhs was received for this purpose.

Samaritans: A bi-annual magazine Samaritans was launched to communicate with donors and receive feedback from them.

The Mandal is present on the following credible online platforms to raise funds for needy patients:

- GiveIndia
- i-Charity
- HelpYourNGO
- Guide Star India
- Accredited by Credibility Alliance
- Empanelled with TISS, National CSR HUB

CUSTOMER RELATIONS

The Customer Relations Group is dedicated to increasing the reach of services - its efforts and energies being directed towards the goal of maximum utilisation of the Hospital's potential to provide quality healthcare.

Heart To Heart

The Hospital has been inviting clinicians from outside to join in the Heart to Heart programme and use the high-end medical facilities available

with us. During the year, 10 doctors were added to the existing list who referred more than 64 patients to the Hospital for joint care and treatment. This network of like-minded healthcare providers uses their combined capability for patients.

There were a number of other activities taken up by the group which include :

- Conducting two multi-speciality camps during the year at Bhuj in collaboration with a local trust. Our experts in oncology, cardiology and neurosciences extended their services at the camp. More than 100 patients from Kutch requiring advanced care were referred to Karamsad for treatment.
- Paediatric cardiac OPDs were conducted at Dahod and Bharuch where screenings were done for congenital cardiac condition; patients were then referred to the Cardiac Centre of the Hospital.
- Seven in-house CMEs (Continual Medical Education) were conducted





during the year for doctors of the Homoeopathy and Ayurvedic Association under the aegis of this programme.

- Doctors of PHCs (Primary Health Centre) and CHCs (Community Health Centre) were regularly updated on the services and development of our facilities.
- Private practitioners are also joining hands with us for advanced medical care for their patients. During the year, 222 patients were referred to our Hospital for treatment.

Relationship Building

The Group is keen on increasing the retention of customers who have benefited from our services and offer us positive feedback and loyalty. To assure this, a combination of new initiatives and strengthening of existing activities

were pursued:

Cashless Services: Our Hospital is attached to 14 TPAs (Third Party Alliances), 10 insurance companies, and has corporate tie-ups with eight industries. There was a growth of nearly 10% in cashless services during the year with 707 patients benefiting.

Hello Health: Our preventive health check-up programme 'Hello Health' has proved popular among the community as well as institutions. During the year more than 7,600 persons underwent various health-check ups at our Privilege Centre.

Privilege Services: In a new initiative to increase the spread of privilege services, the Ramanbhai Gokal Privilege Centre started a Privilege Club Membership Programme, with various benefits related to medical care available on

annual membership. More than 300 members were enrolled in this loyalty programme.

Social Outreach

The Hospital has always believed in extending its services to where there is a need. Through various outreach events, the Hospital actively participated in community life:

- **Multi-speciality camps:** Eight multi-speciality camps were conducted in villages where medicine, ENT, gynaec, ortho, surgery, skin, eye specialists offered their services to nearly 1500 patients.
- **Refraction camp in schools:** During the year, 30 diagnostic camps were organised in schools and 6,015 students examined, of who 1,203 were identified with refraction error.
- **Community-based cataract camps:** During the year, 14 camps were conducted in villages and 71 patients offered free cataract surgeries at our Hospital.
- **At an orientation workshop,** chairmen and secretaries of village milk co-operatives were informed of various welfare schemes and services available at the Hospital.
- **The Sardar Patel Arogya Mandal** has helped needy patients who are members of milk co-operatives. During the year, 71 patients were supported through this partnership
- **Through interaction and presentations,** the Group raises awareness of Krupa and other Hospital welfare schemes in various communities and social networks.





Krupa

To aid health cover for emergency medical expenditure which would otherwise land economically-weaker sections in heavy financial debt, the Hospital's own social security scheme 'Krupa' continued its efforts to retain existing members and recruit new ones. There are 35,297 active members in Krupa: 1,032 in Krupa Parivaar and 146 in Cancer Krupa. During the year, 15,929 new members joined.

The Group also carried out health check-ups in various schools. This has been instrumental in increasing the membership base of Krupa. During the year, 10 camps were conducted in the schools and 7,660 children underwent basic health check-ups which led to 3,604 new members being added.

Medical Tourism:

During the year, 28 patients from foreign countries came to our Hospital for various healthcare needs.

Collaborations:

Collaborating with various government schemes and systems, our Hospital served numerous patients, largely from the economically-modest sections of the community. The services were routed through: Mukhyamantri

Amrutam & MAA Vatsalya Yojana:

During the year, 489 BPL patients received free cardiac and cancer treatment in empanelled centres under these schemes.

State Government Empanelment: Our Hospital has recently been recognised by the State Health and Family Welfare Department to provide medical services to State Govt. employees.





The Team

CHIEF EXECUTIVE OFFICER

Shri Sandeep Desai

CEO OFFICE

*Dr. Neelofar Sayed
Shri Ravindran P Menon*

DEAN

Dr. Utpala Kharod

ANAESTHESIA

*Dr. Hemlata V Kamat
Dr. Alpa M Patel
Dr. Madhavi Chaudhari
Dr. Vaibhavi Hajariwala
Dr. Krutika Bhavin Rupera
Dr. Nirali Panchal
Dr. Nisha R Chaudhary
Dr. Birva Nimit Khara
Dr. Sunil Chhajwani
Dr. Tejas Maheshkumar Parikh
Dr. Archana Sinha
Dr. Hitendra H Kanzariya*

*Dr. Bhumika Pathak
Dr. Ushma V Parikh*

ANATOMY

*Dr. Rohini Routal
Dr. Praveen Singh
Dr. Sumati
Dr. Mehul Tandel
Dr. Vipra Shah
Dr. Binita J Purohit
Dr. Daxa Kanjiya*

BIOCHEMISTRY

*Dr. N Haridas
Dr. Hiteshkumar N Shah
Mr. Amit P Trivedi
Dr. Simbita Marwah
Dr. Mitul Chhatriwala*

COMMUNITY MEDICINE

*Dr. Uday Shankar Singh
Dr. Dinesh Bhanderi
Dr. Deepakkumar Sharma
Dr. Tushar Patel
Dr. Manisha Gohel
Dr. Dinesh Kumar*

*Dr. Rajnikant Solanki
Dr. Shyamsundar Raithatha
Smt. Jaishree Ganjiwale
Shri Prakashkumar Nayak
Smt. Usha Mahla*

DENTISTRY

*Dr. Swati Sathaye
Dr. Alap Prajapati
Dr. Anchal Prajapati
Dr. Hardik Prajapati
Dr. Pratik Thakkar
Dr. Nikita Gupta
Dr. Sindhu Dodamani
Dr. Mrina Patel
Dr. Farhan Zubani
Dr. Anubhuti Tripathy
Dr. Dhaval Shah
Dr. Ronak Jitendra Panchal
Dr. Priyal Amin*

ENT

*Dr. Girish Mishra
Dr. Yojana Sharma
Dr. Nimesh Patel
Dr. Sohil Vadiya
Dr. Deepak Chauhan*

Specialists

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

FORENSIC MEDICINE

Dr. Swapnil Agrawal
Dr. Sanjaykumar Gupta
Dr. Utsav N Parekh
Dr. Vivek Jivani

GENERAL MEDICINE

Dr. Jyoti Mannari
Dr. Himanshu Pandya
Dr. Bhalendu Vaishnav
Dr. Shishir Gandhi
Dr. Alpa Lewva
Dr. Sanket Sheth
Dr. Devangi Desai
Dr. Ajay Mishra
Dr. Maulin Shah
Dr. Mihir Manoj Parekh
Dr. Falguni Dharendra Thanki
Dr. Zubin Gandhi
Dr. Seema Bhatwadekar

Specialists

Dr. Kaushik Trivedi
(Cardiologist)
Dr. Anil Ganju (Nephrologist)
Dr. Shishir Gang (Nephrologist)

MICROBIOLOGY

Dr. Sunil Trivedi
Dr. Suman Singh
Dr. Yagnesh Pandya
Dr. Rupal Patel
Smt. Mudita Paliwal
Dr. Chirag M Modi
Shri Chirag Patel
Dr. Kalpesh H Shah

NEUROLOGY

Dr. Soabam Desai
Dr. Anand Vaishnav

OBSTETRICS & GYNAECOLOGY

Dr. Smruti Vaishnav
Dr. Nitin Raithatha
Dr. Nipa Modi
Dr. Chetna Vyas

Dr. Rakhee Patel
Dr. Rumi Shibashish
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Dr. Yuvrajsingh Jadeja
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OPHTHALMOLOGY

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Dr. Samirchandra
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Dr. Devendra Saxena
Dr. Chaitali Patel

ORTHOPAEDICS

Dr. Ramesh Panchal
Dr. Amit Patel
Dr. Mihir Dholakia
Dr. Saranjeet Singh
Dr. Karthik Vishwanathan G
Dr. Abhijeet Salunke
Dr. Jimmy Chokshi
Dr. Kuldip Parmar
Dr. Animesh Singh
Dr. Prateek Joshi
Dr. Hardik Sheth

Specialists

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(Orthotic Engineer)

PAEDIATRICS

Dr. Shashi Vani
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- *Inner Wheel Club Anand Round Town*
- *Ms. Maia Katrak*
- *Design Consortium*



CSR Initiatives for the Financial Year 2015-16

CSR PARTNERS

- Infosys Limited via Infosys Foundation
- GMM Pfaudler Limited
- Bajaj Auto Holdings Limited
- Desai Brothers Limited
- State Bank of India
- PBM Polytex Limited
- Yes Bank Limited
- Atul Limited
- Glascoat Equipments Limited.

The CSR projects fall under two broad categories:

1. Supporting grassroots based activities, in which the Mandal's institutions are involved, coming under the purview of promotion of preventive healthcare as specified under Schedule VII of the Companies Act, 2013, with the following ongoing projects:

- SPARSH – a programme that provides health services to communities in villages it aims at creating as an integrated and robust three-tier healthcare delivery system consisting of primary, secondary and tertiary levels, and
- A specially designed programme, SPARSH-NIDAAN for early detection of cancer among the rural community.

1. Enabling provision of medical treatment at the Shree Krishna Hospital for vulnerable groups such as women, children and members from economically disadvantaged sections of the community, as measures to create gender equality as well as reduce inequalities faced by socially and economically backward groups. The following programmes are currently ongoing:

- Enabling free access to needy persons for outdoor consultations
- Enabling free stay to patients in general wards of the hospital to make treatment more affordable
- Free and or/substantially free treatment of women and children from Below-the-Poverty-Line (BPL) and other economically disadvantaged families and highly subsidised treatment for men from such families
- Providing subsidised treatment to underprivileged cancer and cardiac patients

By the end of the year the following outcomes were observed as a result of these projects:

1. Sparsh is now active in 90 villages of Anand and Kheda districts with a village health worker in each of these villages. These health workers visited 46338 households during the year and provided information and advice on non-communicable diseases such as hypertension, diabetes, stroke, chronic respiratory diseases, cancer, etc. They also organized 504 meetings involving Sakhi or Bhajan Mandals. They examined 8965 persons who approached them for advice and provided primary treatment. Those who required higher level of care were referred at the secondary or tertiary care facilities..

2. Under the SPARSH-NIDAAN project, 3 camps were held during the year where nearly 1,200 patients were assessed out of which 13 patients were identified with primary symptoms of cancer and were referred to treatment facilities. These camps also led to diagnosis of other conditions such as hypertension, diabetes and ENT problems which were either treated by the doctors at the camps or were referred to Shree Krishna Hospital for treatment.

3. Over 3.30 lakh patients benefited during the year from medical consultation without any charge at Shree Krishna Hospital's general out-patient services.

4. Over 5000 patients from BPL families and about 20,000 patients from economically disadvantaged families benefited from treatment worth over Rs.540 lakhs at the hospital's wards and ICUs.

5. About 100 patients suffering from cancer and cardiac diseases were successfully treated at a highly subsidised cost.

Prominent Visitors



NRI guests from USA and UK



Smt. Kokilaben Patel,
Editor, Gujarat Samachar, UK



District Collector
Dr. Dhaval Patel



Shri Sunil Hansoti,
Atul Ltd., Gujarat



Shri Bhikubhai Patel, UK



Shri Pushyantbhai Patel & Family, UK

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www.giveindia.org

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Charutar Arogya Mandal

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www.charutarhealth.org