



The Gujarat Cancer & Research Institute

(M. P. Shah Cancer Hospital)

STATE CANCER INSTITUTE

(Recognized by Ministry of Health & Family Welfare, Govt. of India)



Shri Pankaj R. Patel
Chairman, Governing Board, GCRI

Members of Governing Board

**Nominated by
Govt. of Gujarat**

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Nominated by Govt. of India

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Chairman

Shri Kshitish Madanmohan
Secretary, Gujarat Cancer Society
Member

Dr. Rakesh Vyas
Incharge Director, GCRI
Member Secretary



'JOINT VENTURE OF GOVERNMENT OF GUJARAT AND
THE GUJARAT CANCER SOCIETY'

GUJARAT CANCER & RESEARCH INSTITUTE

(M. P. SHAH CANCER HOSPITAL)

Affiliated to B J Medical College

STATE CANCER INSTITUTE

(Recognised by Ministry of
Health & Family Welfare, Government of India)

MEMBER OF UICC



International Union Against Cancer
(UICC)

ANNUAL REPORT 2016 - 2017

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Our Mission

The mission of the GCRI is to provide state-of-the-art diagnostic and therapeutic services to the patients of all types of origin and financial background suffering from cancer. Its scope also encompasses registering the tumor

burden in the population, prevention through awareness drives, solving local medical problems through research and training of medical students as well as imparting knowledge to the medical fraternity.

To Fulfil The Mission, GCRI

- Conducts OPD and indoor activities for diagnosis, staging, treatment and monitoring disease progress.
- Renders free or subsidized treatment to needy patients without any distinction of caste, creed or religion.
- Provides training to new generation of doctors as well as practicing fraternity.
- Offers unique experimental and research-oriented diagnosis and treatment services to test new forms of diagnosis and therapy in order to improve quality of life and expected survival of those afflicted with cancer.
- Organizes public education programmes, the diagnostic and blood donation camps, conferences and other scientific meets.
- Displays a permanent Cancer Awareness and Anti-tobacco exhibition and arranges other preventive efforts.
- Runs instruction based Hospice Centre, Home-Hospice Services and Rehabilitation Service.

Our Vision

GCRI, with a multi-disciplinary close relationship between cancer care, research and education, intends to provide the greatest hope to the patients and the general population whose needs, we endeavour to cater to. It strives to see that fruits of modern science reach up to the last man. GCRI believes that the world class cancer research, state of art therapeutic efforts and intensive and

extensive educational efforts regarding prevention, detection, treatment and palliation in the field of cancer will improve the quality of life of all those who suffer from it. GCRI collaboration believes that with other cancer organisations, research laboratories and pharma-research establishments will bring a better tomorrow.

Our Core Values

GCRI is dedicated to

- Scientific attitude and humane approach to diagnosis and treatment of cancer.
- Inquisitiveness, innovation and creativity in the field of research and its translation into day-to-day clinical applications.
- Value oriented as well as information and skill-intensive educational programmes.
- Respect to all schools of thoughts and endeavours for free exchange of ideas with due acknowledgements of contributions by each member of GCRI.
- Simple, effective and targeted awareness programmes for prevention as well as early detection of cancer and anti-tobacco drive directed at the medical profession and population at large.
- Providing hope, sympathy and respect to all those who are terminally ill.

कवचिदर्थं कवचिद्धर्मं कवचित् मैत्रीपरायणम् ।
कर्माभ्यासं कवचिच्चैति चिकित्सा नास्ति निष्फला ॥

“Sometimes money, sometimes wisdom, sometimes social support or sometimes work experience is obtained. One’s efforts to alleviate suffering never go un-rewarded.”

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Chairman's Message



According to the World Health Organisation, cancer is one of the leading causes of morbidity and mortality worldwide accounting for 8.8 million deaths in 2015. More than 14 million new cases are reported every year and over the next two decades, the number of new cases is expected to rise by about 70 percent. Globally, nearly 1 in 6 deaths is due to cancer and the most common causes are cancers of Lung, Liver, Colorectal, Stomach and Breast. The disease burden is mounting as approximately 70% of deaths from cancer occur in low and middle-income countries.

Every year, lakhs of Indians are affected by this deadly disease and on an average, nearly 1,500 Indians succumb to this dreaded menace every day. With new cancer cases or its incidence in India estimated to grow by 25% by 2020 (according to the cancer registry released by the Indian Council of Medical Research), cancer has become one of the leading causes of death occurring in the country. According to WHO's Cancer Report, in India, lung, oral, lip, throat and neck cancers are the most common among men while women suffer more from cervix, breast and ovarian cancers. In the elderly, the most commonly occurring cancers are kidney, intestine and prostate cancer.

And yet between 30–50% of cancers can currently be prevented. This can be accomplished by avoiding risk factors and implementing existing evidence-based prevention strategies. The cancer burden can also be reduced through early detection of cancer and management of patients who develop cancer. Many cancers have a high chance of cure if diagnosed early and treated adequately. Around one-third of the deaths from cancer are due to the five leading behavioural and dietary risks: high body mass index, low fruit and vegetable intake, lack of physical activity, tobacco use and alcohol use.

Lack of awareness, denial and delayed diagnosis and treatment continues to impede cancer treatment. We often find patients changing doctors when asked to go in for a screening or biopsy. The fear of invasive treatment, financial burden and the pall of gloom that descends on the family and the belief that the patient will always die makes cancer treatment an arduous journey. When it comes to cancer, it's important to remember that early treatment is the best treatment.

Continued thrust on awareness, prevention, early diagnosis and research has strengthened our fight against cancer at Gujarat Cancer & Research Institute 'GCRI'. In its mission to provide world-class facilities for cancer diagnosis, treatment and research for the benefit of all sections of the society, particularly the underprivileged and needy, GCRI is leaving no stone unturned. It is the most affordable centre for bone marrow transplantation in malignant and non-malignant conditions. Last year, we treated 30,163 new cases, 3,94,712 outdoor patients and 2,30,253 indoor admissions. The institute performed 1,54,759 histological, cytologic and bone marrow examinations and 1,20,616 imaging & radiological investigations. Nearly 21,690 patients underwent major and minor surgeries, 55,390 patients underwent chemotherapy and 16,397 patients were given radiation.

Each year our fight against cancer intensifies

Our attempt at GCRI has been to fight cancer on multiple fronts. As the largest cancer hospital in the country, GCRI is an essential part of the cancer registry programme which plays an important role in ensuring good quality cancer data which is necessary for planning of health service and carrying out cancer control programmes. From awareness to prevention programmes, preventive health check-ups, setting up super specialities in cancer care and

even other allied areas like home hospice care, physiotherapy, stoma clinic, speech therapy, prosthesis and rehabilitation, GCRI has been at the forefront, leading the march against this dreaded disease.

Our cancer care centre specialises in surgical oncology, medical oncology, radiation oncology, preventive oncology, paediatric oncology, neuro-oncology, gynaec-oncology, radiodiagnosis and nuclear medicine, pathology and microbiology and laboratory medicine, and these are helmed by a team of highly qualified doctors and surgeons. The institute also has a bone marrow transplantation unit, endoscopy unit equipped with cutting-edge infrastructure for advanced care and treatment.

Research brings the hope for tomorrow

Our researchers are exploring new approaches to fight the disease as well as new ways to maximize the use of existing medicines, either alone or in combination with other therapies, to treat various forms of this disease. GCRI has been promoting basic research at its five well-equipped research laboratories on various aspects of cancer biology to help early diagnosis, monitoring, prognostication and cancer management. Currently, 22 research projects and 13 clinical trials are underway at GCRI.

GCRI also actively promotes academic studies and offers several post graduate and super specialty courses like DM, MCh, MD, DMRE, DA, DCP, DGO in oncology as well as M.Sc. in Cancer Biology and Ph.D. in Life Science. Besides this, it also offers diploma in medical laboratory technology and radiotherapy technologist certification programmes.

The crusade against cancer is a relentless one

In order to create awareness on prevention and early diagnosis of cancer, GCRI has set up a Community Oncology Centre in the city. The centre offers cancer related health check-up programmes, permanent cancer exhibit, high-tech mobile cancer detection van – the Sanjeevani Rath, a de-addiction clinic, and a hospice centre with 6 cottages for terminally ill cancer patients.

We need to continue to believe that cancer care research, state-of-the-art therapeutic efforts as well as intensive and extensive educational efforts towards prevention, detection, treatment and palliation, will help us win the war against this dreaded disease. For instance, tobacco is responsible for nearly 50 percent cancers in India and 90 percent of mouth cancer patients die within 12 months of diagnosis. Much of the suffering and death from cancer can be prevented through more systematic efforts to reduce tobacco use, improve diet and physical activity, and timely check-ups and screening.

A breast cancer survivor wrote in her blog, “You have to be knowledgeable and aware of the latest research. Knowledge is power. You and the doctors are working together for the greater good of your health and your survivorship. I’m blessed to live in an era where there are treatments that can help me live.”

A six-year-old ovarian cancer survivor had very little understanding of the medical procedures to help prepare her for the battle when she was first diagnosed with the dreaded disease. Fast action from her parents helped the medical team diagnose her ovarian cancer while it was still in Stage I. Now on the road to recovery, she may be too young to know exactly how serious her condition was. But she does know it was, “a pretty big deal.” She is dedicated to spreading the message of early awareness and regularly talks to her class and others about her experience. Her story is a great reminder for all of us to understand the signs, know your family history, and talk to your doctor early.

GCRI believes that there is hope and will continue its crusade against cancer.

Date : July 29, 2017

Pankaj R. Patel,
Chairman,
Governing Board, GCRI

From The Desk of Incharge Director



Gujarat Cancer & Research Institute (GCRI) established in the year 1972, is a functional autonomous body jointly managed by Government of Gujarat and Gujarat Cancer Society, affiliated to B J Medical College. The Gujarat Cancer & Research Institute (GCRI) is now the State Cancer Institute recognized by Govt. of India for the state of Gujarat with additional benefits and added responsibility by extending support to tertiary cancer centers (TCC) coming under GCRI. GCRI has developed Siddhpur Cancer Center, at Siddhpur, North Gujarat and created Out Patient Department and facility to treat cancer patients with radiotherapy and chemotherapy. GCRI may extend support in establishing and making the new TCCs functional at Rajkot, Vadodara, and Bhavnagar.

GCRI have 650 beds dedicated for adult patients and 50 beds for pediatric cancer patients. This year 30163 new cancer patients registered and 3, 94,712 patients attended OPD. The institute is now equipped with the latest diagnostic, interventional and therapeutic equipments to achieve good quality patient care with the great support from Government of India. GCRI caters cancer care to the poorest of poor with quality service to the cancer patients of Gujarat, Rajasthan, Madhya Pradesh, Maharashtra and other states. MA Yojana, Low Income Group Scheme and other Government Schemes help to serve low socio-economic group with better cancer care. School Health Program instituted by government helps treating childhood cancers.

GCRI is committed to excellence in clinical services, patient care, education, and research. Our goal is to provide the highest standards of medical diagnosis, treatment and care for all cancer patients through a multidisciplinary and holistic approach to cancer treatment. In coming year GCRI will move in new building and continue to strive towards our objectives to offer our patients hope, by providing the best care and doing the best research.

Date : July 29, 2017

Dr. R K Vyas,
In-charge Director

GCRI Profile At A Glance

GCRI - Speciality Hospital for Cancer Regional Cancer Centre

- 650 indoor beds - Largest Cancer Hospital of the country
- 30,163 New Cases
- 3,94,712 Outdoor patients
- 2,30,253 Indoor admissions
- 7,69,297 Laboratory tests
- 1,54,759 Histologic, Cytologic and Bone Marrow examinations
- 1,20,616 Imaging and Radiological investigations
- 21,690 Major and Minor Surgeries
- 55,390 Chemotherapy Treatment
- 16,397 Radiation Treatment

GCRI - Speciality Medical Education Centre

- DM - Medical Oncology
- MCh - Surgical Oncology, Gynaecological Oncology
- MD – Pathology, Microbiology, Radiodiagnosis, Gynaecological Oncology, Anaesthesiology, Radiotherapy
- DMRE – Radiodiagnosis; DA – Anaesthesiology; DCP – Pathology; DGO – Gynaecological Oncology
- Postgraduate Students – 98 Students
- PhD - Life Sciences & Medical Microbiology – 14 Students
- MSc in Cancer Biology - 30 Students
- Diploma in Medical Laboratory Technologists – 50 Students

GCRI Profile At A Glance

GCRI - Research Organisation

- 5 well equipped Research Labs
- 28 on-going Research Projects; 10 Clinical Trials
- Scientists are PhD Guides
- Additional support from - National Cancer Institute (NCI), USA/Germany/IARC/DST/DBT/CSIR/ICMR/DAE/GSBTM/DMER/GUJCOST/GCS/IACA
- Clinical Research hub for National and International drug trials

GCRI - Community Commitments

- National Registry Programme - ICMR
- Prevention of Cancer - Anti-tobacco Drive & Tobacco Cessation Centre
- Early Detection - Health Checkup & Cancer Detection Camps
- Cancer Awareness: Exhibition, Cancer Information Center
- Hospice Care; Home Service Care
- Poor Patient Support
- Telepathology and Telemedicine Projects
- Patient Care Evaluation Committee
- Sanskar Chowk (Entertainment and Education of Patients and their Relatives)
- Night Shelter for Patient's Relatives

A. ANAESTHESIOLOGY

Dr Bipinbhai Patel
Professor & Head

Dr Bhavna Shah
Dr Jayshree Thakkar
Professors

Dr Dipika Patel
Dr Neeta Gosai
Dr Damini Makwana
Dr Leena Patel
Associate Professors

Dr Kinna Shah
Dr Bijal Shah
Dr Priti Patel
Dr Madhuri Bhade
Dr Bhavna Patel
Dr Rekha Solanki
Assistant Professors

Dr Jenish Patel
Dr Amita Jansari
Dr Misha Agarwal
Dr Tanmaya Tank
Junior Lecturers

Clinical Services: The department provides services of anaesthesia for oncosurgical patients. Anaesthesia services are provided during peri-operative period, which includes pre-anaesthetic check up and anaesthesia fitness, intra-operative management and post-operative care of the patients. Our department provides anaesthesia or monitored anaesthesia care as per the requirement of the patient and surgeons. Different super specialties like Plastic surgery, Musculo-skeleton surgeries, Urology surgeries, Neuro Oncology, Gynaecological surgeries etc are involved in treatment of cancer. Treatment and care of critically ill patients in ICUs (Surgical, Medical and Neuro Oncology) is part of anaesthesia services. These services are provided for all major and minor surgical procedures, gynaecological surgeries, neurological surgeries and day stay surgeries. Anaesthesia department also gives services for either providing anaesthesia or providing only monitoring care for radiotherapy patients, patients undergoing radiological procedures, invasive procedures in IVTC or CT scan, PET Scan and MRI. Our department takes lead in peripheral venous access as well as central venous access as per requirement of the patient. All emergency calls for resuscitation, Monitored anaesthesia and venous access are attended by the departmental staff. The department provides emergency services in all the wards for central / peripheral venous access of the patient.





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Details of Work Done	Number of Patients
Major Operations, DSU OT (Elective + Emergency surgeries)	6714
Neuro OT Elective + Emergency surgeries	1073
Day Stay Unit (GA + LA)	8200
CT Scan + MRI + USG Guided Biopsy + PET Scan	351
Intra Cavitary Radium + Implant under Anaesthesia	1019
Radiotherapy in pediatric patients under Anaesthesia	115
Interventional Therapy under Anaesthesia (IVTC)	268
Central venous access + Peripheral venous access+Lumber puncture + Epidural	834

Major Achievement

Dr Dipika Patel, Associate Professor, have completed Post Graduate course of Diploma in Palliative Medicine from Cardiff University, U.K. on July 6, 2016 and Anaesthetic Observership at University of Virginia, USA and at St. Anthony's Medical Center, St. Louis, USA.

Dr Vidhi Kanteria, Resident, received first prize at National Airway Conference held at Baroda on Nov 17, 2016.

Dr Abhishek Bharadwaj, Resident, received first prize at AMCON, Adrenaline Medical Conference held at Ahmedabad on March 11, 2017.



B. COMMUNITY ONCOLOGY & MEDICAL RECORDS

Dr Janmesh Shah
Assistant Professor and Head

Dr Anand Shah
Assistant Professor

Dr Rohini Patel
Medical Officer

Mr Himanshu Patel
Medical Record Officer

Mr Jayesh Solanki
Statistical Assistant

Ms Vishruti Pandya
Ms Neha Jadav
Junior Statistical Assistants

Clinical Services: New O.P.D.: During the year 2016, a total of 30,163 patients were registered. The documents under various schemes/categories such as Mukhyamantri Amrutam Yojana (MA Yojana), MA Vatsalya Yojana, Employees State Insurance Scheme (E.S.I.S.), State government employees/pensioners, Lower income group category (L.I.G.), Indian Cancer Society (ICS) fund, Scheduled Castes (SC) & Scheduled Tribes (ST) categories etc. are verified. Some special radiological and laboratory investigation cards are also issued. Year wise general statistics of hospital is prepared here.

Old O.P.D.: It maintains the records of newly registered cases as well as old (follow-up) cases. There were 3,94,712 outdoor patients came for follow up during the year 2016. Pathology reports, Traveling passes (ST/Railway) and Gate passes are issued here. The work of indoor patient registration and medical reimbursement are also done. Patient's follow up information are also kept. For patient's convenience, SMS software is implemented. Patient can inform through SMS prior to his/her follow up day so that his/her casefile are kept ready before patient's arrival. Case files are provided to other departments for their research/ dissertation study purpose. Computerized medical certificate are issued and forms of Medi-claim policy and Life Insurance policy of expired patients are filled here.





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Details of Work Done	Number of Patients
Total new cases registered (Cancer & Non-cancer)	30163
Adult Cases	28947
Pediatric Cases	1216
Total No. of Outdoor Patients	394712
New Admissions	22870
Inpatient days	230253
Average inpatient stay (in days)	10.07
Strength of Beds	650
Hospital Deaths	1535
Haematological investigations	813483
Biochemical investigations	673014
Bacteriology Investigations	17134
Serology Investigations	101196
Cytological Investigations	16998
Histological Examinations	102362
Bone Marrow Examinations	4259
Biopsy procedures (Other than Endoscopies & B.M.Bx.)	11289
Total Blood Transfusion given to the patients	16971
Total Plasma/PRP given to the patients	24670
Imaging & Radiological Investigation	
MMR Ba.Swallow & other X-rays	59546
Ultrasound examinations	22421
CT Scan Investigations.	22453
MRI	2672
Mammograms	5838

Details of Work Done	Number of Patients
OPG	2926
Colour Doppler	1001
Radiation Treatment	
Brachy Therapy	769
Cesium Teletherapy	-
Cobalt Teletherapy	-
Linear Accelerator	5411
BHABHATRON	1636
Mould prepared for Planning	1656
Simulator treatment Planning	6925
Surgical Operations	
Major	5080
Minor	8806
I.V.T.C	6861
Neurosurgical Operations	
Nuclear Medicine (Isotope)	
PET CT SCAN	728
Isotope Scan	2949
Iodine Therapy	80
Tumor Markers	41720
Immunohistochemistry	50174
Biochemical Investigations (Research wing)	957
Cell Biology Division (Research wing)	2873
Physiotherapy treatment	25362
Total Number of Chemotherapeutic procedures	53225
Bone Marrow Transplants	41



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Details of Work Done	Number of Patients
ECG	22132
Stoma Clinic Patients	2383
Prosthetic Patients	1411
MCPG Lab Investigations	1152
Pain and Palliative Care OPD	13768

Academic Activities

The department is a very important section of the Institute. It works largely in three different areas. (a) Cancer Registry Programme (b) Cancer Epidemiology and (c) Cancer Control Programme.

(a) Cancer Registry Programme

Cancer registry plays a major role in ensuring good quality cancer data which can be helpful in cancer care, planning of health service and cancer control programmes. The department has been maintaining both hospital based cancer registry and population based cancer registry under the network of National Cancer Registry Programme (NCRP) - National Centre for Disease Informatics and Research (NCDIR) - Indian Council of Medical Research (ICMR), Bengaluru.

Rural Cancer Registry Ahmedabad District Project: It has been functioning since the year 2004 with the objective of assessing the magnitude and types of cancers in Ahmedabad rural areas and to calculate estimate of cancer incidence in Ahmedabad district.

Activities: Work of cancer data collection from various sources for the year 2016 and 2017 is in progress.

Population Based Cancer Registry Ahmedabad Urban Agglomeration Area: It has been functioning since the year 2007 with the objective of assessing the magnitude and types of cancers in Ahmedabad city and to calculate estimate of cancer incidence in Ahmedabad urban area.

Activities: Case files abstraction and outside data

collection for the year 2015 is completed. Work for the year 2016 & 2017 is in progress.

Hospital Based Cancer Registry: The hospital based cancer registry has been functioning since long as per the standards and norms prescribed by the National Cancer Registry Programme (NCRP) of the Indian Council of Medical Research (ICMR). From January 2014, the National Cancer Registry Programme (NCRP) - National Centre for Disease Informatics and Research (NCDIR) - Indian Council of Medical Research (ICMR) sanctioned the project Hospital Based Cancer Registry and Patterns of Care and Survival Studies on Cancer Breast, Cancer Cervix and Head and Neck Cancers at our Institute. The broad objectives of this study is to assess quality of hospital care and cancer services in covered area and to describe length and quality of survival in relation to anatomical site, clinical stage and aspects of types of treatment and to undertake epidemiological research through short term case control studies.

Activities: Case file abstraction and quality checks for the year 2015 have been completed and report for the year 2015 is published. Case file abstraction and online data entry work for the year 2016 is in progress.

(b) Cancer Epidemiology

The statisticians of the department help doctors and researchers for statistical analysis of their studies. It provides various data to the doctors and researchers for their dissertation / research work. Various statistical data and reports are also provided to the Administration and Government as and when required.

This year, a total of 70 GCRI staff requested for data retrieval and 8 GCRI staff were assisted for their statistical analysis work.

(c) Cancer Control Programme

The department runs cancer control programme as per the aim and objectives laid down by National Cancer Control Programme, Government of India. The department organizes various cancer awareness and detection camps for primary



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prevention of cancers by health education especially hazards of tobacco consumption and necessity of genital hygiene for prevention of cervical cancers and secondary prevention i.e. early detection and diagnosis of cancers.

HPV Vaccine Project: The Gujarat Cancer and Research Institute is having a collaborative research agreement with International Agency for Research on Cancer (IARC), Lyon, France and working on a project named “Implementation plan for extended follow-up of the participants of IARC-Indian HPV vaccination study to evaluate the effectiveness of one, two and three doses of Quadrivalent HPV vaccine in preventing cervical neoplasias”.

Activities: As project is extended for follow-up phase, Ethics committee of GCRI has given approval in Oct 2016 to continue the study before starting actual work, training session was organized by staff from IARC. Actual work as per protocol has been started since Oct 2016 which includes follow-up activities like cervical cell collection from married participants, new consent to be signed by all participants for extension study, to collect HC-2 samples from participants who have reached 25 yrs of age and to report updated information by doing house to house visit and by phone calls. All the cervical cell samples have been transferred to Rajiv Gandhi Center for Biotechnology and HC-2 samples are transferred to Pune as and when suggested by IARC.

Mr Jayesh Solanki, Statistical Assistant, got first rank in Chess competition of Gandhinagar Taluka and Gandhinagar District in Khel Mahakumbh – 2016 organized by Government of Gujarat.

Workshop Organized: Department organized a “Workshop on extended follow-up phase for HPV Vaccine Study” at Ahmedabad during May 26-27, 2016.

Public Services Offered: As per the guidelines of National Cancer Control Programme, the department is actively involved in cancer control activities and reaches to the community which addresses primary prevention and early detection of cancer within the community.

Cancer Awareness Camps: The department organizes cancer awareness camps with the objectives of promoting awareness about the risks of common cancers and their curability if detected early in the community. During these camps, knowledge on cancer like its causes and natural history, warning signs and symptoms of cancer are explained to the visitors. Self-examination methods are emphasized particularly of oral cavity with need for quitting tobacco. Method of breast self-examination is also propagated among women visitors. Awareness about cancer is created by distribution of publicity material like pamphlets, posters, flip charts, exhibition and audio-visual programmes.

A total of 11 education camps (Cancer Exhibition) were organized during April 2016 to March 2017.

Major Achievements

We have succeeded to get Government of Gujarat resolution stating that each and every cancer case either diagnosed or suspicious of cancer should be reported to GCRI (Government of Gujarat Resolution No. ICR-102016-521-S dated 20 May 2016)

Department received first prize as a best administration support provider in GCRI for the year 2016-17 and felicitated during GCRI Hospital Day Celebrations Week in Mar 2017.

Mr Nirav Solanki won first prize in elocution competition held during GCRI Hospital Day Celebrations Week in Mar 2017.

No. of Education Camps during April 2016 – March 2017	11
Number of Visitors	2195

Cancer Detection Camps: Department involves in arrangement of cancer detection camps at various places in Gujarat. The objectives of the detection camps are to detect cancers in their early stage especially oral cancers in men and breast and cervical cancers in women. Suspicious cases were referred to GCRI for further diagnostic and therapeutic care.

A total of 17 cancer detection camps were organized across the Gujarat state during April



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2016 to March 2017.

Following table shows summary report of cancer detection camps.

No. of Cancer Detection Camps during April 2016 - March 2017	17	
	No	%
Number of beneficiaries	765	100
Head and Neck Examinations	134	17.51
Breast Examinations	1	0.13
Cervix Examinations	631	82.48
Suspicious cases referred to GCRI	28	03.66
Head and Neck	5	0.65
Breast	1	0.13
Cervix	22	2.87

Mobile Cancer Screening Van (Sanjeevani Rath) Camps:

A high tech cancer screening mobile van (Sanjeevani Rath) was launched in the year 2009 to detect the cancer patients in their early stages of the ailment, especially in rural areas. The expert team identifies suspected cases of possible cancer and if needed, refers them to GCRI for further evaluation. This mobile cancer screening van is equipped with advanced mammography machine which is very useful to detect breast cancer - the most common cancer found in women in their very early stage.

A total of 55 mobile cancer screening van (Sanjeevani Rath) camps were organized in various places of Gujarat state during April 2016 to March 2017. Following table shows summary report of Sanjeevani Rath camp activities.

No. of Sanjeevani Rath Camps during April 2016 - March 2017	55	
	No	%
Number of beneficiaries	3431	100
Head and Neck Examinations	2144	62.48

Breast Examinations	2537	73.94
Cervix Examinations	1929	56.22
Other Sites Examinations	06	0.17
Suspicious cases referred to GCRI	220	6.41
Head and Neck	77	02.24
Breast	24	0.69
Cervix	68	01.98
Other Sites	06	0.17

Siddhpur Cancer Care Centre

To provide an excellent cancer care to the people of North Gujarat, the Government of Gujarat set up a Cancer Care Centre at Siddhpur, Patan District in 2012. The radiation unit also started since October 2013 at Siddhpur Care Centre. Every Tuesday along with 1st and 3rd Saturday GCRI sends expert teams which consist of Oncosurgeon, Gynaecologist, Radiotherapist Doctor and other Para medical staff at Siddhpur Cancer Centre.

The activities carried out at Siddhpur Cancer Care Centre during April 2016 to March 2017 are as following tables.

No. of Siddhpur Sanjeevani Rath Camps during April 2016 - March 2017	06	
	No	%
Number of beneficiaries	587	100
Head and Neck Examinations	169	28.79
Breast Examinations	391	66.60
Cervix Examinations	273	46.50
Other Sites Examinations	1	8.17
Suspicious cases referred to GCRI	21	12.91
Head and Neck	15	2.55
Breast	2	0.34
Cervix	4	0.68

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Siddhpur Cancer Care Centre OPD

No. of Siddhpur OPD during April 2016 - March 2017	25	
	No	%
Number of beneficiaries	58	100
Head and Neck Examinations	34	58.62
Breast Examinations	05	08.62
Cervix Examinations	12	20.68
Other Sites Examinations	17	29.31
Suspicious cases referred to GCRI	9	15.51
Head and Neck	08	13.79
Cervix	01	01.72

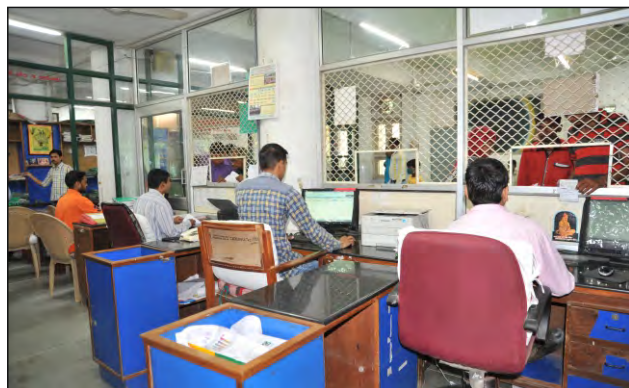
Day Celebration: Department is taking active participation in celebration of different days like World No Tobacco Day, World Cancer Day, National Cancer Awareness Day, Kite Flying Day, Holi, Navratri etc. The objectives of these celebrations are:

- i) To create awareness about cancer among common people
- ii) To motivate people about screening of common cancers (Oral, Breast and Cervix)
- iii) To sensitize people against tobacco hazards

Following are the reports of various day celebrations organized during April 2016 to March 2017.

31 May 2016 (World No Tobacco Day): 31 May is celebrated all over the world as “World No Tobacco Day”. On this important day, awareness activities i.e “how to quit Tobacco” was organized by Zyudus Oncoscience in GCRI premises. Also a talk on tobacco hazards and cancer awareness exhibition was arranged at Stelmac Ltd, Ahmedabad-Sanand Road, Ulariya, Ahmedabad and exhibition on hazards of tobacco with counseling for how to quit tobacco was also conducted at Universal Honda showroom, Naroda, for employees and visitors.

4 February 2017 (World Cancer Day): As a part of World Cancer Day 2017 celebration, an awareness exhibition cum counseling session was organized in GCRI premises in association with AZAD Life Charitable Trust at Mahiti Kendra, GCRI on 4 February, 2017. The chief guest of this programme was Mr Mayur Vakani, a well-known artist from well-known serial “Tarak Mehta ka Uolta Chasma” shared his emotional experience he had with the Gujarat Cancer and Research Institute, Ahmedabad. More than 300 patients and their relatives participated actively in this session where they were informed about various facts related to cancer.



C. GYNAECOLOGICAL ONCOLOGY

Dr Shilpa Patel
Professor, Head & Chief of Unit – I

Dr Ava Desai
Professor Practicing & Chief of Unit – II

Dr Meeta Mankad
Professor Practicing & Chief of Unit – III

Dr Pariseema Dave
Professor & Chief of Unit – IV

Dr Ruchi Arora
Dr Bijal Patel
Associate Professors

Dr Monisha Gupta
Dr Rajnish Tiwari
Dr Bishwajit Das
Dr Chetana Parekh
Dr Anusha Kamath
Assistant Professors

Clinical Services: The department offers services in following areas (1) Well Woman Clinic for early detection of gynaecological malignancies, especially Pap's smears for cervical cancer. (2) Colposcopy Clinic: The Colposcopy clinic is run with the help of a state-of-the-art Zeiss colposcope with teaching aid. Colposcopies are performed and Colposcopic directed biopsies are taken. Total 108 Colposcopies were performed. (3) Conservative management of pre-invasive cervical cancer by Large Loop Excision of the Transformation Zone (LLETZ). It is one of the first centers in India to have established the facilities of LLETZ, which is considered the best method for the diagnosis and treatment of premalignant cervical lesions. During the year, seven Large Loop Excision of the Transformation Zone were performed. (4) Referral Center for diagnosis and management of all premalignant and invasive gynaecological malignancies such as cervical cancer, endometrial cancer, trophoblastic disease, ovarian tumors, and vulvar carcinoma.





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Details of Work Done	Number of Patients	
	OPD patients	New cases
	Old cases	2210
Pap smear	Pap Smear	2578
	LBC	2278
	Camp	2437
	Total	7293
Cervical Biopsy		1563
Vulval Biopsy		104
Endometrial Aspiration		353
Colposcopy		108

Surgeries:

Procedure / Test	Number
Radical Hysterectomy + BPLND	33
Laparotomy for Ovarian Tumors	327
Staging Laparotomy for Endometrial Cancer	97
Radical Vulvectomy + Groin Dissection	26
Other Major Surgeries	100
Total Major Surgeries: 583	
Total Minor Surgical procedures: 328	

Academic Activities

There is 1 M.Ch. student, 18 post graduate students of M.S. (Ob. & Gyn.) and 8 students of D.G.O. **Training of trainers-** Dr Shilpa Patel, Dr Meeta Mankad, Dr Ava Desai, Dr Pariseema Dave, Dr Bijal Patel, Dr Ruchi Arora, Dr Chetana Parekh, Dr Anusha Kamath- Resource person for Cervical and Breast Cancer - Master TOT conducted on July 20-

21, 25-26, 27-28, 2016. A total of 219 lectures were taken in the department for teaching and academic purpose. The department offered training to 1 Observer, 2 Junior Residents, 1 Senior Resident and 14 Fellows.

Major Achievements

New course M.Ch. in Gynaecologic Oncology started from August 2016 with a permission of one seat enrollment.

Dr Pariseema Dave has served as Associate Editor of "Indian Journal of Gynecologic Oncology". She has also served as Chief Editor of "Gujarat Cancer Society Research Journal".

Camp Activities

Camps for early detection are conducted at various places in Gujarat including organizations such as BSF, Air Force, Armed Forces, ECHS Polyclinic Airport, Cost Guard, Gandhinagar etc and distant places like Surendranagar, Nadiad, Porbandar, Deesa, Himatnagar, Veraval, Jamkhmabhalia, Lakhtar etc. Total 104 camps organized at various places and 2437 Pap smear taken in this year. The department also participates in GCRI academic meetings.

Workshop Organized

Department of Gynecologic Oncology had organized Pre-Congress Workshop '**Need and scope of hysteroscopy and colposcopy in modern era**' on Jan 25, 2017 during 60th All India Congress of Obstetrics & Gynaecology Conference hosted by Ahmedabad Obstetrics and Gynecology Society. The co-ordinators were Dr Shilpa Patel, Dr Meeta Mankad, Dr Pariseema Dave and Extended Team was Dr Bijal Patel, Dr Ruchi Arora, Dr Chetana Parekh, Dr Rajnish Tiwari, and Dr Anusha Kamath.

Public Services

The gynecological department conducts a well woman clinic daily at the hospital especially for early detection of pre-invasive and invasive cervical malignancy. Pap's smears and Colposcopy are performed free of charge and biopsies are taken at nominal charge.

D. MEDICAL AND PAEDIATRIC ONCOLOGY

Dr Pankaj Shah
Dr Shilin Shukla
Professor Emeritus
Dr Asha Anand
Professor & Head of
Medical Oncology
Dr Apurva Patel
Professor & Chief of
Medical Oncology Unit II

Dr Harsha Panchal
Professor & Chief of
Medical Oncology Unit I
Dr Sonia Parikh
Associate Professor & Chief of
Medical Oncology Unit III
Dr Sandip Shah
Associate Professor In charge of
BMT (Part time practicing)

Dr Nitin Joshi
Junior Lecturer – Pediatrician
Dr Rohan Kusumgar
Psychiatrist
Dr Rajiv Bansal
Dr Bhavesh Thakkar
Gastroenterologist
Dr Kamlesh Shah
Dr Kinnari Patel
Medical Officer-BMT

The department of Medical Oncology was established in 1972 and nurtured by stalwarts like Dr Pankaj M. Shah, Dr Kirti M. Patel, Dr Shilin N. Shukla, Dr Bharat J. Parikh and Dr Shailesh Talati. The goal of the department is to provide best possible comprehensive medical treatment even to patients with low socio-economical background maintaining scientific attitude and humane approach. It has dedicated medical and pediatric oncology wings, BMT services and clinical trial services.

Clinical Services: The department of Medical and Paediatric Oncology provides comprehensive care for adult and paediatric patients with solid tumours and haematological malignancies. Every year approx. 14000 new and refer adult patients are registered under medical department and approx. 55000 patients receive curative or palliative chemotherapy either indoor (127 beds) or in day care center (46 beds). About 15000 minor procedures are performed annually.

The Indumati Kinariwala Paediatric Oncology center was established in 1992 and it was first of its kind in India to give care to paediatric patients in an ambient environment. Number of cancer patients registering in Paediatric center per year are approx. 1223. The center also has special OPD for care of central lines (PICC and Hickman catheter).

The Department of Medical Oncology renders services to Adult & Paediatric patients.

Indoor Beds: Adult 76, Paediatric 25, Leukemia 22, BMT 4, Medical ICU 3+2 (Total 132 Beds)





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Details of Work Done	Adult patients	Pediatric patients	Total
Clinical Cases	92489	13251	105740
New + Refer	13382	1223	14605
Old	79107	12028	91135
Procedures: Total	10682	4436	15118
Bone Marrow Aspiration	5231	1480	6711
Others (Intrathecal, Plural & Ascitic Fluid Aspiration)	5451	2956	8407
Chemotherapy: Total	47476	7914	55390
Day Care Chemo – Room No. 7	44579		
Day Care Chemo Special Ward	1598		
Day Care Chemo Male Medical Ward	187		
Day Care Chemo Female Medical Ward (including paediatric chemo)	1112		
BMT: Total			
Autologus (Multiple Myeloma 6, Hodgkin's Disease 5, Neuroblastoma 1)			42 12
Allogenic (Acute Myeloid Leukemia 2, Aplastic Anaemia 9, Relapsed ALL 5, MCL 1, CML 1, Thalassemia Major 11, PNH 1)			30

Academic Activities

We run Daily afternoon Academic session for DM students which include case presentation, journal club and other oncology topics under guidance of faculty. Regularly conduct CME on oncology for under graduate and post graduate students of BJ Medical College. Invite faculty for guest lectures and telecast of lecture series on webcast.

The Department runs DM Medical Oncology Super-specialty Course attached to B.J. Medical College and Gujarat University. The course started in 1991 with intake of 4 students per year which has increased to 10 students per year since 2010. There are 10 First Year DM Residents, 10 Second Year DM Residents and 10 Third Year Residents. They actively participate in Outdoor services, Chemotherapy planning, Day care procedures, Chemotherapy administration, Indoor Services, Emergency services, documentation – data entry, Case discussions, presentation of clinical topics and publications under guidance and supervision of the Teachers and Faculty. They prepare Dissertations under guidance of their Teachers. They also participate in Clinical Trials, BMT services and Education programs for the Rotators, Undergraduates and New comers. Invited Guest

lecture and webinar were also organized by the Department.

Research Activities

The department has undertaken research projects supported by GCS, ICMR, and Pharmaceutical companies.

Major Achievements

Dr. Shilin Shukla delivered total nine Lectures including two key note lectures and seven guest lectures during the year. The key note lectures delivered on 'Cancer-Challenges and Solutions' at Conference on Cancer at South Gujarat Chamber of Commerce and Industry, Surat, on Apr 17, 2016 and on 'Health Information for Librarians' at Sadvichar Parivar, Ahmedabad on July 2, 2016. The Guest Lectures were on 'In Search of Happiness' at Senior Citizen Club, AMA, Ahmedabad on April 23, 2016; Recent Advances in Medical Oncology at Nirma University, Ahmedabad on July 12, 2016; 'Teaching Fresh Radiation Oncologists-Ethics in Clinical Research' at Indian College of Radiation Oncologists, Ahmedabad on Sept 10, 2016; 'Economics of Breast Cancer Care' at Mahila



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Assembly-Breast Cancer, Ahmedabad on October 8, 2016; 'Myths and Facts about Cancer' at Rotary Club of Surat, and Sarvajanic Education Society and IMA-Surat Branch on January 22, 2017. He was the lead faculty for the 'Seminar on Preventive Oncology' at Sadvichar Parivar, GCRI, GCS, GCSMC and ICON on February 05, 2017 and gave a talk on 'Medical Prevention of Cancer' at this seminar. He received Life (Time) Award by Indian Cooperative Oncology Network (ICON) on February 22, 2017. He remained continued for the fourth year as Member Secretary, Ethics Committee of GCS/GCRI and as Active Member of Kosh Samiti for Publication of Sarth Jodni Kosh.

Dr Pushpak Chirmade won first prize for oral paper presentation in Hyperthermia 2017, Ahmedabad. He also received **TB Patel Silver**

Medal for oral paper presentation during Hospital Day Celebration on March 11, 2017.

Dr Pritam Kataria won first prize in prostate quiz, SPEAK Programme held at Mumbai in December 2016.

Dr Rakesh Patil won first prize for oral paper presentation in GIMACON 2016 held at Rajkot in Nov 2016.

CME Organized

Organized training program for MD Doctors of Regional teaching hospitals Gujarat Medical And Education Research Society (GMERS), to participate in managing cancer patients at satellite places. Organized CME on Acute Leukemia at BJMC, Ahmedabad on Sept 17, 2016.



E. PALLIATIVE MEDICINE

Dr Geeta Joshi
Professor & Head and Deputy Director

Dr Priti Sanghavi
Associate Professor

Dr Phulkumari Talukdar
Assistant Professor

Dr Puja Kumari
Senior Resident

Dr Anuradha Mahaur
Medical Officer

Dr Preeti Poriya
Medical Officer – Project Staff

Ms Tanvi Vyas
Counsellor – Project Staff

Clinical Services:

Inpatient service: Department of palliative medicine has been allotted 10 dedicated beds and 18 shared inpatient beds. Bed Occupancy Rate (BOR) is 80%. In-patients from other specialty are referred to us for pain and symptom control. On rounds, we manage their symptoms & psychosocial issues with the help of counselor as needed.

Outpatient service: We see about 60-80 patients per day in our OPD. We provide pain & symptom management. Counseling of all patients is done for psychosocial & spiritual issues. We do communication with patients for breaking bad news, issues of collusion, counselling for prognosis, nursing care, dietary advice etc.





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Home Care Service

We do 2-3 home-visits per day for 5 days a week, for home bound cancer patients residing within city of Ahmedabad and Gandhinagar.

Hospice Service

We visit our hospice centre twice a week, to see admitted patients who are terminally ill, requiring palliative care. BOR of Hospice is 70%.

Details of Work Done	Number of Patients
OPD: New Patients	4504
OPD: Follow up Patients	9264
Interventions done for Pain Management (Spheno Palatine Ganglion Block, Celiac plexus block, Superior Hypogastric Plexus Block, Epidural, Ganglion Impar Block)	97
Indoor Patients attended	1107
Other Interventions (PEG, Ryle's Tube)	326
Home Care	563
Admissions to Hospice, Community Oncology Centre, Vasna	298

Academic Activities

Our department is recognized for six weeks 'Hands On' Certificate course in Pain & Palliative Medicine,

CCPPM & CCPN, for doctors and nurses. The course is supported by Indo-American Cancer Association and Pallium India. Two courses were held in 2016, as follows.

28 Mar to 07 May 2016	Doctors trained = 01	Nurses trained = 05
14 Nov to 24 Dec 2016	Doctors trained = 05	Nurses trained = 04

Eight weeks distance learning course run by IAPC- 'Essentials of Palliative Care' was held from Nov 13-15, 2016. Dr Anjum Joad, Palliative Care consultant from Bhagvan Mahavir Cancer Center,

Jaipur was faculty for this training. Thirty one candidates enrolled for the course amongst of which thirty passed out and got the certificate for the same.

Training	Number of Participants
10 days "Hands On" Training in Palliative Medicine	2
Rotation of Resident doctors from Dept of Medicine, Civil Hospital	3
Rotation of Resident doctors from Dept of Community Medicine, Civil Hospital	5
Nursing students from MSc Nursing	3
Training for counseling in Palliative Care	8
Student attended the department for thesis & Ph D work	1



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Dr Suresh Reddy, Head of Palliative Care Services, M D Anderson Cancer Center, USA, Dr Mona Gupta (USA) and Dr Manoj Gujela (Delhi) from Indo American Cancer Association, visited Department of Palliative Medicine, GCRI on Feb 7, 2017. They inspected the department activities and evaluated our performance as training centre for six weeks' CCPPM & CCPN course for doctors and nurses. Our department had maximum number of candidates in 2016, out of which four of them had started Palliative Care OPD in their set up.

Major Achievements

Dr Geeta Joshi, Professor and Head, received 'Excellence Award-2016' by Gujarat University and B J Medical College 'In recognition of Best talent in encouraging the development of specialties in different branches in Medicine'. This award was given away on Oct 6, 2016 at B J Medical College, Ahmedabad. She is elected as President, Indian Society for The study of Pain in Feb 2017 at ISSPCON 2017, Jaipur.

Workshop Organized

One day 'Orientation Workshop for Doctors' under National Program for Palliative Care was held on Mar 22, 2017, at Institution of Mental Health, Ahmedabad. It was organized by Govt of Gujarat. GCRI is apex body for NPPC, which has been implemented in six districts of Gujarat. **Dr Geeta Joshi & Dr Priti Sanghavi** were faculty for this training.

Dr Naveen Salins, from Tata Memorial Hospital,

Mumbai was invited to Department of Palliative Medicine, GCRI for workshop on 'End of Life Care' for doctors of GCRI on Dec 10 2016. 30 doctors participated in the workshop.

Guest Lecture Organised

Dr Darshit Thakkar, Medical Oncologist and Palliative Care Physician from Australia visited our Dept on Jan 6, 2017 and delivered Guest lecture 'Should Medical Oncology & Palliative Care work together?' in telemedicine for GCRI doctors.

Public Services

Dr Priti Sanghavi, Dr Sweta Parikh, Dr Priti Poriya and Dr Anuradha took active part in education & training of nursing students, medical students, students from Entrepreneur Development of India (EDI) & BM Institute, and doctors on palliative care and psychological issues in cancer patients.

World Hospice & Palliative Care Day was celebrated at Community Oncology Center & Hospice, Vasna, Ahmedabad to create awareness about Palliative Care & Hospice amongst patients & community. It was joint efforts of Gujarat Cancer Society, GCRI & Karunalay, a Hospice run by Shyam Oncology Foundation. Patients shared their experience with the disease and its treatment. **Dr Vikram Patel**, Director, Kailash Cancer Hospital, Goraj, was the Chief Guest of the function. A poster exhibition on Palliative Care and hospice and a Role play on cancer awareness and early diagnosis and palliative care was performed by Nursing students of Manikaka Topawala Institute, Changa.



F. PATHOLOGY

(F1) Histopathology, Cytology, Biochemistry, Haematology

Dr Dhaval Jetly
Head & Professor

Dr Priti Trivedi
Professor

Dr Trupti Patel
Associate Professor

Dr Biren Parikh
Dr Beena Brahmhatt

Dr Amisha Gami

Dr Majal Shah

Dr Jyoti Sawhney

Dr Ashini Shah

Assistant Professors

Dr Vibha Vyas
Dr Nainesh Menat
Junior Lecturers

Clinical Services: The Department of Pathology has been upgraded with various Equipments for Clinical Pathological Analysis Report work. It includes various services like Histopathology, Cytology, Haematology, Biochemistry, Blood Bank, Paediatric Oncology Haematology, Vasna Hospice Haematology, Immunohistochemistry and Microbiology.

Pathology Department is the heart of our Hospital; central to any cancer management is tissue diagnosis. Metabolic profile and Haematological alteration in a cancer patient plays a pivotal role in overall outcome. The department is well equipped with highly sophisticated microscopes attached with camera and computer for teaching and record purposes. It provides services of histopathological diagnosis, frozen section diagnosis, haematological tests, biochemical tests etc. The department has an internet facility for tele-pathology.





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Academic Activities

Practical / Theory training to post-graduate students / doctors for M.D. degree, DCP and observers come from various local hospitals and

from other states as well as students from Medical Laboratory Techniques Course. Maintenance of patient's record and statistical data analysis is done.

Number and type of investigations carried out in various laboratories of Pathology Department during last year are as under:

Central Laboratory - Haematology

Details of Work Done	Number of Patients
HB	130629
TC	130629
PC	130629
RBC	130629
DC	130629
DC Manually	49711
ESR	6866
Urine Examination	10347
BSBP	10347
PS/Indices	3760
PT	32435
APTT	32124
Plasma Fibrinogen	783
FDP	134
G6PD	88
FHB	0
LE CELL	3

Details of Work Done	Number of Patients
Sickle Test	14
Sucrose Lysis	177
Osmotic Fragility	14
RC	2696
CSF Examination	431
Pleural Fluid	333
Ascitic Fluid	266
Other Fluid	13
Stool Examination	512
Bone Marrow Aspiration Ex	4497
Bone Biopsy	2141
Pas Stain	1025
Sudan Stain	1030
Iron Stain	431
Lapa Stain	0
D-Dimer	181
Total	813504



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Central Laboratory – Biochemistry

Details of Work Done	Number of Patients
Blood Sugar	36348
S. Acetone	216
Bun	54568
S. Creatinine	80733
S. Electrolytes	58267
S. Cl	36260
S. Alk. Phosphatase	43808
S.G.O.T	55013
S.G.P.T	55315
S. Total Protein	46944
S. Albumin	45702
S. Bilirubin Total	56582
S. Bilirubin Direct	56582
S. Uric Acid	13061
S. Calcium	18503
S. Megnesium	13286
S. Phosphorus	11284
S.Lactate Dehydrogenase (LDH)	15509
S. Amylase	1018
S. Lipase	152
S. Uric Acid	13061
S. Calcium	18503

Details of Work Done	Number of Patients
S. Megnesium	13286
S. Phosphorus	11284
S. Amylase	1018
S. Lipase	152
S. Acid Phosphatase	5
S. Iron (Fe)	330
S. Tibc (lbct)	290
All Type of Fluids	1047
24 Hrs.Urinary Protein Estimation	23
S. Cholesterol	1297
Triglyceride	1126
HDL	978
Methotraxate (MTX)	1709
Cyclosporin (CYCLO)	702
S. Protein Electrophoresis	957
S. Immunofixation	381
Hemoglobin Electrophoresis	10
S. Free Light Chain Kappa	371
S. Free Light Chain Lamda	371
S. IgG	201
S. IgA	179
S. IgM	188
Total	673056



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Immunoassay Tests

Details of Work Done	Number of Patients
Alpha Fetoprotein (AFP)	2496
Carcinoembryogenic Antigen (CEA)	7172
CA-125	4447
Prostate Specific Antigen (PSA)	2170
CA-19-9	2856
CA-15.3	199
Human Chronic Gonadotropin (B- HCG)	1797
Follicle Stimulating Hormone (FSH)	362
Leutinizing Hormone (LH)	288
Prolactin (PRL)	212
Estradiol (E2)	280
Testosterone (T)	168
Cortisol	148
Growth Hormone (GH)	115
Parathyroid Hormone (PTH)	93
Total T3	4791
Total T4	4832
Thyroid Stimulating Hormone (TSH)	6677
Free T3 (FT3)	662
Free T4 (FT4)	1098
Thyroglobulin (TG)	426
Anti-Thyroid Peroxidase Antibodies (ANTI-TPO)	117
Human Epididymal Protein 4 (HE4)	310
Total	41716

Histopathology

Procedure/Test	Total number of investigations
Total number of biopsies	20894
Total sections of biopsies	25298
Total Operative Specimens	4655
Total Number of Slides from Operative Specimens	81347
Total Biopsies and Specimens For Review	7222
Total number of Slides from Review Biopsies and Specimens	23195
Frozen Specimens	1224
Total number of Slides from Frozen Specimens	6666
Total number of Biopsies and Specimens	25549
Total Number of Slides	136506

Cytology

Procedure/Test	Total number of Investigations
Pap Smear	4624
FNAC	5135
Fluid Cytology + Cyto Block	4767
Outside / Camp Pap Smears	3727
Total	18253

Major Achievements

Dr Dhaval Jetly, Professor and Head, invited as Speaker in Second Molecular Oncology Society Conference 2017 at Ahmedabad on Jan 21-22, 2017.

Dr Jyoti Sawhney, Assistant Professor, was Faculty



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for panel discussion on refractory Anemia in Hematocon 2016 at Jaipur on Nov 10-13, 2016.

Dr Priya Patel, Resident, won second prize for poster presentation on Genital Amoebiasis Diagnosed on PAP smear at AMCON 2017, Ahmedabad on Mar 10-12, 2017.

Guest Lecture Organised

A Guest Lecture on Cervical Squamous Cell Lesions Cytology on LBC by **Dr Meena Desai** has been organised by Dr Trupti Patel, Associate Professor and Department of Pathology at GCRI.



(F2) Blood Bank

Dr Rima Kusumgar
Assistant Professor & Incharge

Dr Dhara Ardeshana
Medical Officer

Clinical Services: Blood Bank collects blood from voluntary and replacement donors in the Hospital and outside Hospital by arranging the outdoor blood donation camps, collecting more than 15,000 Blood Bags per year. Blood grouping of the donors and patients is done and blood is supplied to the patients after cross-matching with latest technology. The Blood Bank is well equipped with all the modern equipment like Fully automated blood grouping and antibody screenig machine, Column Agglutination [Gel-technology], Electro chemiluminescence immunoassay for testing of transfusion transmitted disease testing, Apheresis machines, Blood Irradiator, Fully Automatic Component Separation Machine like Opti-press, G5 and for leukoreduction of Components which prevents the blood transfusion reactions. In Apheresis procedures are being done plateletpheresis, therapeutic Apheresis and Peripheral Blood Stem Cell collection.





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Details of Work Done	Number
Donor Area	
Blood Tapping	16109
Replacement Donors	5820
Voluntary Donors	8989
Single Donor Platelet	1300
Outdoor Camps	112
Transfusion	
Whole Blood	757
PCV (Packed Red Cell)	16176
PC (Platelet Concentrate)	15381
FFP (Fresh Frozen Plasma)	6207
Single Donor Platelet	1300
Autologus & allogenic B. M. Collection	58
Therapeutic Leakacytapheresis	1

Tests	For Patients	For Donors
Blood Groups	25836	16805
Coomb's Test (IAT + DAT)		632+632
Du Test for weak antigen		1023
Cross Match		21711
HbsAg		16408
HIV		16408
HCV		16408
VDRL		16408
Malarial Parasaites		16408

Academic Activities

MD (Transfusion Medicine) Students from the B.J. Medical College as well as Doctors and Technicians from all over Gujarat are coming for training of component separation and apheresis procedures.

Major Achievement

Dr Reema Kusumgar invited as a faculty for various training programmes organized by NACO. She was invited as a speaker to give talk on Recent advances in transfusion medicine in CME at Rajkot on Mar 18, 2017, and on A new technology of Blood Donor Screening – An experience on ECLIA at 5th ISTM Conference, Bhopal, in 2016.

Public Services

The blood bank had organized 112 blood donation camps.



(F3) Microbiology

Dr Parijath Goswami
Professor & Head

Dr Foram Patel
Assistant Professor

Dr Nilima Desai
Junior Scientific Officer

Dr Hemang Purohit
Fellow in Microbiology

Clinical Services: The Head of the department manages mainly the Clinical Laboratory services for diagnosis of infections in cancer patients. The other Non-Clinical important aspects of hospitals are also managed like Infection Control Activities, FICTC (Facility Integrated Counseling and Testing Center) Activities and Biomedical Waste Management (BMW) Activities.

The Department of Microbiology has grown from 192-240 samples per year in 1989 to 1,13,715 samples currently. This Department looks after the Diagnosis of Infectious diseases caused by bacteria, fungi, viral infections by serodiagnosis, and molecular diagnosis of the infection in cancer patients. Periodically antibiograms are taken out and issued to clinician for appropriate treatment of infections.





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Test	Test Type	Number
Culture & Antibiotic Susceptibility	Aerobic	3258
	Anaerobic	3
	Fungal	5633
	Blood (aerobic)	2404
	Total	11298
Microscopy	Sp. Gram Stain	276
	H. pylori	2
	Z. N. Stain	417
	Pneumocystis Carinii Stain	18
	Stool for Ova/Cyst	16
	Wet preparation	201
	Total	930
Serology	Widal Test	213
	RPR Test	12
	C-reactive Protein	326
	RA test	44
	CMV IgG test	100
	CMV IgM test	101
	HBeAg /anti HBeAg	463
	S. HIV	32943
	S. HBsAg	33186
	S. HCV	32702
	B2 Micro globulin	300
	anti HbS	160
	Hbc IgM	305
	Western Blot test	-
	Dengue test	289
	Malaria	163
Total	101307	
Infection Surveillance	Surveillance in Critical Areas (No. of Times)	180
Grand Total	All Samples	113715

Non-Clinical Services

1	Dr. Parijath N. Goswami	Professor & Head
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1. Infections Prevention and Control activities in GCRI

Infection Control Activities Staff (Active)

1	Mrs. Indira Sunil Macwan	Infection Control Nurse
2	Mr. Arpit Christian	Infection Control Nurse

History of activities of Infection Control: The concept of Infection prevention and control was brought to GCRI in 1992. Late Dr.D.B.Balar was the Head and Dr.Parijat N. Goswami, was the secretary. The then Director, Dr.D.D.Patel was the Chairman of the HICC (Hospital Infection Control Committee). All Heads of the clinical departments were the members of the committee. A sub committee was formed for active working and problem solving in the institute on day to day basis, which is called Hospital Infection Control Team (HICT). On goingly the structure of the committee has been changing with the new coming Directors. Other Directors who chaired the functions of Infection control and prevention are Dr. Pankaj Shah, Dr. Shilin Shukla and Dr. R.K. Vyas.

Training: Total number of training programs conducted were 24 at different occasions in the current year for nursing staff and class IV employees. Topics covered were Standard precautions, needle stick injury and management, Bio-Medical waste management, Hand hygiene, sterilization and disinfection, etc.

Other activities

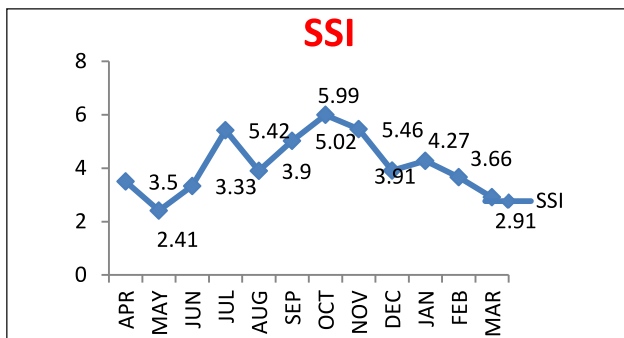
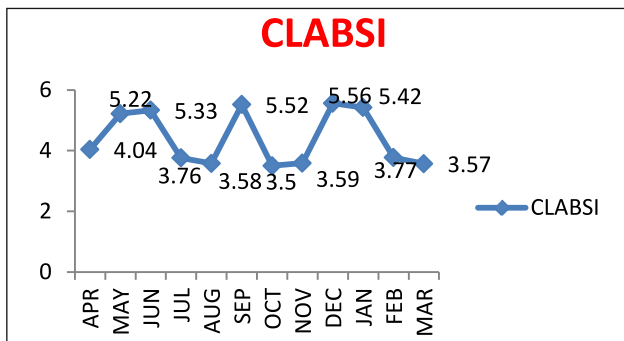
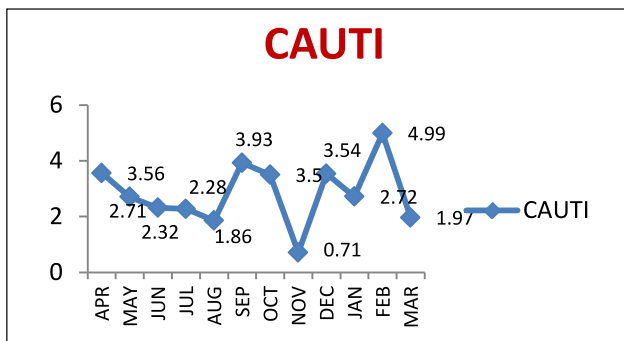
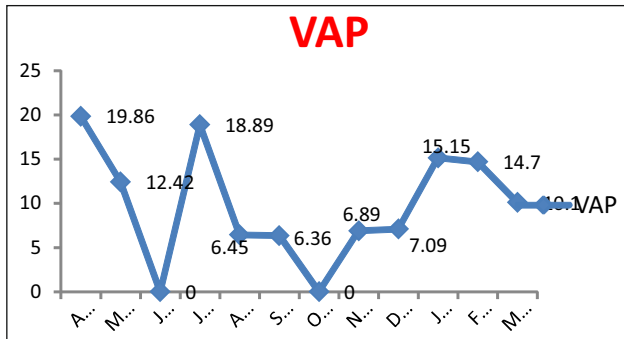
1. Monitoring practices done by CSSD & TSSU: The checks on surgical instruments cleaning, washing packing and sterilization process are done every day. Sterilization controls are done by using Process Integrator (PI) to make sure sterilization within the packs/dressing trays and drums, Chemical indicators are used to check the set time, pressure and temperature and Biological Indicator (BI) are used to ensure spores as well as organism kill for sterility check.



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2. For critical areas like OT, DSU, BMT, NICU, SICU, Post-op wards are frequently fumigated and surveillance done as per request.

2. Quality Indicators of Health Care associated Infections (April 2016-March 2017)



A very cautious vigilance is been kept on the quality indicators of infections occurring in hospital like Ventilator associated pneumonias, Catheter associated urinary tract infections, central line associated blood stream infections and surgical site infections. It is clear from the data that stringent measures are taken to control infections.

3. Biomedical Waste Management (BMW) Activities Staff - (Active)

1	Mrs. Leena Bhatt	Staff Nurse in-charge for monitoring waste management
2	Akshay Dave	Sanitary Inspector
3	Staff of Raj deep contractor	

In 2008 when rules and guidelines for biomedical waste had become stringent, the then Director, Dr. Pankaj Shah, had taken keen interest and activities related to this were formed and followed. The committee for monitoring activities was formed and the rules and regulations are strictly followed since then. Daily rounds are taken to check proper segregation of waste. There are meetings and training which happen throughout the year for smooth running of the activities of waste management. The new biomedical waste management rules have been given by and are as per standards of NABH and GPCB which are in the process of been followed by our institute.

4. FICTC (Facility Integrated Counseling and Testing Center) (Active)

1	Mrs. Mita Suthar	Counselor
2	Mr. Amit Makwana	Counselor

HIV counselling and testing services were started in GCRI in March 2015. It is a requirement of a health care facility to have one integrated counselling and testing centre for all groups of people. There is pre and post testing counseling for HIV testing because we are testing HIV for all our



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admitted patients (Medical , Surgical and Gynaec patients).

FICTC-GCRI is run by qualified and trained nursing staff who provide HIV counselling. Laboratory technician is also trained under the regional NACO centre of Civil hospital. This FICTCs is supported by the National AIDS Control Organization (NACO) Counsellors: The counsellor is appointed from GCRI staff and he/she is trained from ICTC center of NACO, Civil Hospital. They focus on the following:

- Pre-test counselling
- If HIV test is positive, Post test counselling of the patient.
- Send HIV positive patient to civil hospital for ART treatment.
- Maintain records of all counselling done.
- Communicate with Civil hospital ICTC center.
- Be available in the FICTC as per the specified timings.
- Ensure that strict confidentiality is maintained.
- Ensure that all IEC materials such as posters, etc. are displayed prominently in the FICTC.
- Report on a regular basis to Head of FICTC center of GCRI.

Summary of activities in 2016-17: In a year, a total of 21220 patients were counseled with an average monthly Pre-Test counseling of 1768 patients. Post test counseling was done for 0.94% (310/32943) HIV positive patients. There was male preponderance (2:1, M:F) amongst HIV

positive patients. Route of transmission was not known in 67 responders. 79 patients were aware of sexual transmission. 25 patients had given the history use of re-usable needles and 16 patients had given history of blood transfusion. There were only 2 patients who had given history of pre-natal transmission.

Most of the patients (155) were from Gujarat, 20 from Rajasthan and 12 from Madhya Pradesh.

It was also observed that 54 patients were newly diagnosed for HIV infection, and 135 patients were already HIV Positive from outside or either were on Anti Retroviral Therapy. There were 38 patients who underwent repeated HIV testing. Around 200 patients were referred to ART Centre for counseling and treatment as per NACO protocol.

Academic Activities

Teaching and practical training of Medical Laboratory Technology (MLT).

Major Achievement

Dr. Parijat Goswami is Associate Editor of the Journal of Patient Safety and Journal of Laboratory Medicine and Pathology.

Public Service

Infection Control Surveillance for GCRI. Infection Control Surveillance for Sadvichar Parivar Hospital (Outside GCRI). FICTC for GCRI patients.



G. RADIO-DIAGNOSIS (G1) Imaging Services

Dr Hitesh Rajpura
Professor & Incharge
Dr Saumil Desai
Professor
Dr Himanshu Soni
Associate Professor

Dr Drashty Chauhan
Dr Sanjeev Patel
Assistant Professors
Dr Tejal Shah
Junior Lecturer

Dr Ajay Upadhyay
Visiting Interventional Radiologist
Dr Milan Jolapara
Visiting Neuro Interventional Radiologist

Clinical Services: The department is fully equipped with 500 MA Siemens X-ray units, OPG Machine-Siemens, Siemens IITV guidance Fluoroscopy Machine, Mammomat-Mammography Machine, Siemens G-50-Doppler Machine, Two Doppler machines of GE – P5, Fuji CR System, Medsynapse- Department networking and data storage system, USG - High End Siemens USG S3000, Portable GE Ultrasonography, CT Somatom 16 Slice, Emotion 6 Slice CT scan and 0.4 Tesla Hitachi Aperto MRI Machine.

The Department of Radiodiagnosis conducts radiological part of health checkup programme at COC Vasna. X-ray, Mammography and Ultrasonography are performed at cheaper rates, for early detection of pathology. Department also support radiological part of various camps and health checkup programme managed by institute. The department also participates in GCRI academic meetings.





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Details of Work Done	Number
X-RAY (PLATES)	58676
IVP	1
USG + Portable USG	22537
CT scan	24131
Mammography	6054
Barium Swallow & Meal	698
Barium Meal	1
USG Guided Biopsy	2464
CT Guided Biopsy	755
Pleural Tapping	446
Ascites Tapping	190
MRI	3013
Color Doppler	912
PTBD	78
OPG	2927
RFA	8

Details of Work Done	Number
Echo	248
CT Block	3
CT Angio	67
SRS	22
CT RT Planning	693
Loopogram	14
Cholangiography	0
Gastrograffin study	0
MCU	0
Fistulogram	2
Cytogram	0
Needle localization	5
CT STB	32
NSG	0
PTBD Dressing & Checking	66

Academic Activities

Regular lectures, Case presentation, journal presentation, interesting case discussion conducted for resident doctors in the department.



Research Activities

We are maintaining patients data and images. We are generating statistical data and studies which is published in national and international conferences.





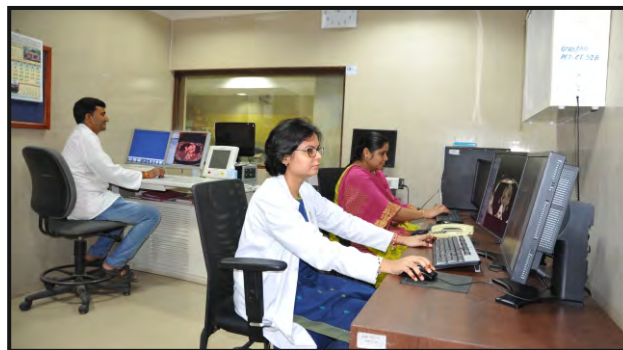
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(G2) Nuclear Medicine and PET CT

Procedure test	Number
Bone Scan	1700
Renal Scan	338
DTPA Scan	130
DMSA Scan	257
I131 Therapy	97
MIBG	05
Thyroid Scan	235
Parathyroid Scan	13

Procedure test	Number
WB-I131 Scan	277
PET CT	796
Cardiac Scan	02
Sialo Scan	33
Hida Scan	23
MUGA Scan	01
Liver Scan	05
Hynec Scan	08

Newly introduced machine in nuclear medicine depart is Philips PET-CT.



H. RADIOTHERAPY

Dr R. K. Vyas
Incharge Director
Dr U. Suryanarayan
Professor & HOD

Dr Ankita Parikh
Dr Maitrik Mehta
Dr Pooja Nandwani Patel
Dr Sonal Patel Shah
Associate Professors

Dr Jigna Bhattacharya
Dr Ritika Harjani Hinduja
Dr Shikha Dhal
Dr Jyoti Poddar
Dr Sumit Goyal
Assistant Professors

Dr Mridul Anand
Dr Chandani Shah
Junior Lecturers

Clinical Services: Department is fully equipped with four Linear Accelerators with facilities of 3 Dimensional Conformal Radiotherapy (3DCRT), Intensity Modulated Radiotherapy (IMRT), Image Guided Radiation Therapy (IGRT), Volumetric Arc Therapy (VMAT), Stereotactic Radiotherapy (SRT) and Stereotactic Radiosurgery (SRS), one Bhabhatron machine, two Microselectron High Dose Rate Brachytherapy machines, two Simulator Machines and one Siemens CT Simulator Machine which is in Radiology department.





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Clinical Activities

The department is treating patients come from nearby cities and also from Rajasthan, Madhya Pradesh and Maharashtra.

Procedure / Test	Number
OPD new cases	7980
Cases referred from outside only for Radiotherapy	1780
Cobalt Teletherapy	2000
Linear Accelerators	6200
Brachytherapy	980

Academic Activities

Regular lectures, seminars twice weekly by resident doctors and bed side case Presentation by resident doctors conducted in the department. The department runs CMRT course for Medical Radiotherapy Technicians.

Research Activities

Maintenance of patient's record is done. The data is presented in national and international level conferences and published in national and international journals.



Major Achievements

Dr U. Suryanarayana elected as President of the AROI/Gujarat chapter. He has organised workshop on SBRT at Radiotherapy Department, Karamsad Medical College, Dec 2016.

Dr Pooja Nandwani Patel is Executive Committee Member of National Association of Radiation Oncologists of India (AROI) for 2016-2018. She is Secretary and Treasurer of Association of Radiation Oncologists of India AROI -Gujarat Chapter for 2016-2018. She is Assistant Editor for National Journal - Journal Cancer of Research and Therapeutics. She is Member of Editorial Board of The Cancer Immunology Journal. She is Reviewer for Acta Medica International Journal. She is National Faculty at Indian College of Radiation Oncology (ICRO) for post graduate students of Radiation Oncology from all over the country.

Dr Jyoti Poddar received Sir Dorabji Tata Trusts Junior Travel Grant in June 2016. She received Scholarship to attend ACORD workshop for Clinical Trials and Protocol Development held at Sydney, Australia during Sept 2016. She has done observership at Long Beach Memorial Hospitals, Long beach Los Angeles, California under the Supervision of Dr Nisar Syed in July 2016. She received ESTRO 35 junior Brachytherapy travel grant in April 2016.

Conference Organised

Hyperthermia 2017: 9th Biennial Conference of Hyperthermia on Feb 18-19, 2017, Ahmedabad was organized by **Dr Ankita Parikh** and **Dr Jigna Bhattacharya**.

Dr U. Suryanarayan organised the 1st ICRO teaching programme for post MD/DNB faculty on Sept 10-11, 2016 at Ahmedabad. He has organized workshop on SBRT at Radiotherapy Dept. Karamsad Medical College, Dec 2016.

Dr Pooja Nandwani Patel was Chief Coordinator for Stereotactic Body Radiotherapy SBRT Workshop under aegis of AROI Gujarat Chapter at Karamsad, Gujarat on Dec 24, 2016.

I. SURGICAL ONCOLOGY

There are six Surgical Oncology Units (I1), and six Superspeciality Oncology Units (I2-I8), which are Plastic Surgery Oncology (I2), Urosurgery Oncology (I3), Musculoskeletal Onco Surgery (I4), Paediatric Surgery Oncology (I5), Neuro Oncology (I6), and Ophthalmic Surgery (I7). The department also runs the Interventional Therapy Centre (C8).

General Surgical Oncology

Details of Work Done	Number
Major Surgery	3660
Minor Surgery	306
IVTC Procedures	6983
DSU	7893
Central Line Insertions	391
Emergency Surgeries	283

Superspeciality Oncology

Department	Number of Surgeries
Plastic Surgery Oncology	104
Urosurgery Oncology	223
Musculoskeletal Onco Surgery	264
Paediatric Surgery Oncology	148
Neuro Oncology	819
Ophthalmic Surgery	30
ICR	838





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(I1) General Surgical Oncology

Dr Kiran Kothari
Deputy Director & Professor

Dr Shashank Pandya
Professor & Head

Dr Rajen Tankshali
Dr Jignesh Goswami
Professors

Dr Hemant Shukla
Dr Jayesh Patel
Dr Vikas Warikoo
Dr Abhishek Jain
Dr Mohit Sharma
Associate Professors

Dr Umank Tripathi
Dr Shailesh Patel
Dr Dipak Rao
Dr Supreet Bhatt
Dr Mahavir Tadaiya
Dr Aditya Joshipura
Assistant Professors

Clinical Services: The department offers services in diagnosis, treatment and palliative care of the patients in the field of Head and Neck, Thoracic, Gastro-intestinal & Colorectal, Hepato-pancreato-biliary, breast and others. In the last year total 3660 major surgeries were performed by general surgical oncology. Different surgical teams occupy eight major surgical operation theatres. Day stay unit facilities are provided for biopsy, endoscopic procedure and evaluation of lesion before planning of surgery. The department is involved in diagnostic perioperative care, follow up and care of terminally ill patients. Camps for early detection of cancer are conducted at various places in Gujarat and in the neighbouring states, including organizations such as ONGC, Air Force and Armed Forces etc. The department also participates in GCRI academic meetings.

Academic Activities

Regular lectures and teaching programmes are conducted for MCh Resident Doctors and Fellows in the department in the form of case presentation, seminar, journal reading & region wise topic presentations.

Research Activities

Maintenance of patient's records and statistical data analysis is done. The data is presented in national level conferences and published in national/international journals.

(I2) Reconstructive (Plastic) Surgery

Dr Hemen Jaju
Dr Hemant Saraiya
Dr Parag Kothari
Visiting Plastic Surgeons

Clinical Services: Apart from attending OPD once a week, reconstructive surgeries are done in main operation theatre twice per week. In this period total 104 surgeries were performed. Reconstructive surgeries for head and neck cancer patients and CFRs with the help of neurosurgeons are done. Screening of patients requiring prosthesis is done in OPD and they are guided about the artificial limbs and body parts. The department offers services to the patients from all over Gujarat who require reconstruction of lost body parts and guides them about prosthesis.

Academic Activities

The department is also actively involved in

teaching programme of MCh students including dissertation submission and internally case presentations in the institutional clinical meetings.



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(13) Urosurgery Oncology

Dr Keval Patel
Visiting Urologist

Clinical Services: The department offers services in OPD, operation theatre and day stay unit. In this period total 223 surgeries were performed. They examine, investigate and treat patients of urogenital cancer.

Academic Activities

The department is also actively involved in

teaching programme of MCh students including dissertation submission and internally case presentations in the institutional clinical meetings.

(14) Musculoskeletal Onco Surgery

Dr Jyotindra Pandit
Visiting Orthopaedic Surgeon

Dr Jaymin Shah
Dr Abhijeet Salunke
Full Time Orthopaedic Surgeon

Clinical Services: It has two OPD days in a week. The operation theatre of Musculoskeletal Oncology is well equipped with ultra-modern instruments and equipments like oscillating saw, oscillating drill, universal assimilating drill, laminar air flow, radiolucent operation theatre table with all necessary attachments, Image Intensifier Television (IITV) etc. In this period total 251 surgeries were performed.

Academic Activities

The department is also actively involved in

teaching programme of MCh students including dissertation submission and internally case presentations in the institutional clinical meetings.

(15) Paediatric Surgery Oncology

Dr Kumar Sumit Pramod
Visiting Paediatric Surgeon

Dr Nirali Thakkar
Full Time Paediatric Surgeon

Clinical Services: The Department offers its services to paediatric OPD, Day stay Unit and operation theatre for treatment of paediatric cancer patients. The department does the procedure of Hickman catheterization, a very important central catheter, for paediatric patients. The procedure is done under radiological guidance. In this period total 148 surgeries were performed.

Academic Activities

The department is also actively involved in

teaching programme of MCh students including dissertation submission and internally case presentations in the institutional clinical meetings.



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(16) Ophthalmic Surgery

Dr Aashish Shah
Visiting Ophthalmic Surgeon

Clinical Services: The Department offers services in OPD, Operation Theatre and Day Stay, thrice per week. They examine, investigate and treat patients. GCRI has now been recognized as Tertiary Center for Eye Cancers for States of Gujarat, Rajasthan and Madhya Pradesh. All age group patients from children to adults of Eye cancers are treated. Retinoblastoma common in children are diagnosed and treated. Choroidal melanomas, Basal Cell Carcinoma, Squamous Cell Carcinoma etc. in adults are diagnosed and treated. Glass prosthesis and other types of prosthesis are given for social well being once the patients are treated.

Details of Work Done	Number
OPD Patients	250
Major Surgeries	25
CT Guided Biopsy	5
Minor Surgery	5

Details of Work Done	Number
Health Check Ups	45
Ward Visits	10
BMT Visits	10

(17) Interventional Therapeutic Centre (IVTC)

Dr Parthiv Mehta
Visiting Pulmonologist & Critical Care Specialist

Dr Kalpesh Panchal
Visiting Pulmono-Onco Critical Care Specialist

Dr Kunal Bhardwaj
Full time Gastroenterologist (Super Speciality)

Dr Hitesh Patel
Visiting Pulmonologist & Critical Care Specialist

Clinical Services: The IVTC department under surgical oncology department is high volume for endoscopy services and includes advanced endoscopy like ERCP & Pleuroscopy. It conducted around 7001 procedure in period from April 2016 to March 2017. It covers many therapeutic procedures like dilatation, EVL, sclerotherapy, balloon dilations, polypectomy and endoprosthesis deployment. The department is also been imparting training programme for those interested in learning endoscopy.

Details of Work Done	Number
Gastroscopy	3324
R.T. Insertion	551
Dilatation	446
Inj Glue / Sclero	18
Banding	149
P.E.G.	13
Colonoscopy	1166

Details of Work Done	Number
E.R.C.P.	361
Stent Removal	12
Bronchoscopy	890
Pleuroscopy	24
Endoprosthesis	21
SVE	26

J. NEUROSURGERY

Dr Paresh Mody
Full-Time Neurosurgeon

Dr Dipak Patel
Dr Navin Patel
Dr Tejas Patel
Part-Time Neurosurgeons

Dr K. G. Patel
Dr Minesh Patel
Dr Nilam Patel
Medical Officers

Clinical Services: The Department is well equipped with two operation theatres. The operation theatre is well equipped with Laminar Air Flow and state of the art anesthesia system, Microscope with C.C.T.V. by Zeiss, Ultrasonic Surgical Aspiration by Valley Lab, IITV, Stereotactic Apparatus, Radio Frequency Lesion Generator, Intensive Care facilities with state of the art cardiorespiratory monitoring system, advanced ventilators and its own dedicated Central Sterile Supply Department.

The Department is running OPD on Monday and Thursday every week where new patients are examined and the follow up patients are regularly attended in the OPD. The Indoor references are regularly attended. The services to the poor patients for neurosurgical diseases are offered. The department also provides emergency services to the patients. The regular teaching to the medical Officers and Research Fellow is carried out during the ward round and operation. The clinical meeting of the Gujarat Cancer & Research Institute is being regularly attended by all the medical staff and the presentations are made in the clinical meeting as per the schedule. All the medical staff remains update with reading of the standard neurosurgical text books and Journals at the library. The department is also having interactions with other departments of the hospital, e.g. Surgical Oncology, Plastic Surgery, Medical Oncology, Endocrine, Biochemistry, Pathology, Radiation Oncology Department, Radiology Department and Physiotherapy Department. The medical staff is regularly presenting the clinical research paper at the national and international conferences. There is also potential to start DNB courses in the speciality of Neurosurgery at Gujarat Cancer & Research Institute.

Details of Work Done	Number of Patients
Selective Surgery	08
Supramajor Surgery	617
Major Surgery	116
Minor Surgery	78
Total Surgeries	819



K. SUPPORT SERVICES

(K1) General Administration And Human Resources

This department looks after two important key activities of the Institute. General Administration looks after the day to day general administration aspects related to hospital's administrative procedures like conducting meetings of various committees, executing the decisions taken by the committees, streamlining the administrative processes etc. As a major process of streamlining different processes of the hospital, the Institute has engaged M/s. Accenture Pvt. Ltd., a leading management consultancy firm for 'Review and Development of Policies and Operating Procedures along with Establishing a Managed IT Organization; for GCRI Hospital Operations'. General Administration Department is an important role player for the whole process.

General Administration also supports various events arranged by the Institute for different purposes like Cancer Detection Camps, Cancer Awareness Exhibitions, Workshops, Seminars, Lectures, Conferences, etc.

Major initiatives taken up by this department is implementing Computerized Grievance and Feedback Management Portal to resolve patients and their relatives' complaints as well as internal maintenance issues of the staff for engineering and computer services. System is interactive and complainant gets immediate response through SMS as well as concern department's Head / Officer or doctor or Matrons also get SMS alert about the complaint. On redressal of the complaints, the same is being updated in the system and the whole process is being closely monitored by the General Administration for effective use.

General Administration also closely works with the computer section for successful implementation of various modules of software for hospital operations as well as administration. Ultimately goal of the General Administration is to provide seamless services to the patients as well as employees for efficient delivery of patient care.





Human Resources Section

Human Resources Section looks after the process of recruitment of new human resources, promotion, disciplinary action, training, maintenance of human resources' records, retirement process etc. For smooth operation of these services, Human Resources Section, after lots of efforts, has developed computerized system for various activities of human resource management. The new software now works on full-fledged basis and has removed many obstacles to effectively monitor human resources' performance in the entire Institute.

Human Resources Section also identifies different training programmes for capacity building of human resources in the Institute and appropriate staff members are deputed to attend training outside the Institute. As a continuous effort of capacity building of staff, regular training programmes of nurses and other staff are also being arranged internally with the help of NGOs and other organizations. Human Resources Section aims at recruiting and retaining best of talents for the Institute's day to day operations.



Secretarial Services Section

General Administration Department is also supported by the Secretarial Services. Secretarial staff which provides support for all general administrative activities like organization of workshops, seminars, conferences, publication of various materials, preparing agenda and minutes

of meeting, circulars, maintenance of important office records, correspondence and public relations with the visitors visiting Institute to meet higher officials as well as Institute's other activities.





Store and Purchase Section

This section provides efficient services for supply chain management of consumable items required for day to day hospital operations. This section also conducts process of inviting e-tenders and fixing up the contracts as well as efficient management of the contracts. Timely supply and inventory management in any hospital not only smoothen the

day to day operations but also prevents unnecessary stocking of various items. This section continuously strives to improve day to day supply chain management. A new software has been procured to improve the efficiency of inventory management.



Account Section

Account section looks after the maintenance of accounts, internal and statutory audits, government audits, government grant's management, donation from the public, payment of bills, receiving of hospital fees, payment of wages, etc. This section also plays a very vital role in efficiently managing the finances which earns interest on the funds which are not required to be used immediately. All the activities of this department are computerized and various data

given by them helps the management in taking strategic decision on financial management. This section has introduced new services for patients' fee collection and continuously strives to ease out the patients and their relatives problems related to their service charges. This section also liaises with the Government and other authorities for management of grants and other compliance aspects.





Engineering and Maintenance Section

Institute's buildings are old and some of the buildings are more than 50 years old which requires continuous maintenance for civil, electrical, electronics and communication, air conditioning works, etc. This section looks after the day to day maintenance of civil work, interior decoration, electrical installations, air conditioning, lift maintenance, etc. This section also helps Institute in procurement of maintenance services as well as new construction work, electrical installations, air conditioning, communication, CCTV, etc. This section also provides efficient services for estate management, particularly maintenance of sound system in the Cama Hall and maintenance of guest houses,

doctors hostel, staff quarters and COC, Vasna campus.

Since last two years, the Institute has implemented GCRI Master Development Plan and during this process, the Institute is demolishing old buildings to make way for construction of new well planned multistoried building. During this process, the Institute has to relocate existing facilities at some other locations to maintain the patient care services. This department has efficiently managed relocation of the paediatric and other sections as well as hostel at the other convenient place. During demolishing also lots of reusable material has been salvaged at the same time the entire process has been completed safely.



Biomedical Engineering Section

Biomedical Engineering Section looks after the tender process for procuring new equipments, arranging technical committee, tender committee and purchase committee's meetings, contract management for procurement of new equipments, maintaining the schedule for maintenance of different high-tech medical equipments, etc. Efficient management of maintenance schedule helps Institute in keeping down time of the different equipments' negligible. The section also supports hospital's different departments in maintenance and troubleshooting of their equipments. This section is also responsible for providing efficient services in day to day

management of operation theatres' equipments. They are also responsible for providing services at Siddhpur Cancer Care Centre, Siddhpur, managed by Gujarat Cancer & Research Institute under an agreement with Govt. of Gujarat. This section also provides training to Bio-medical engineering students, Diploma Biomedical Engineering students and I.T.I. students coming from different institutes. They also look after the work of AMC/CMC of various equipments for proper functioning of medical equipments. They also maintain records and check list of AMC / CMC for preventive maintenance.



Resident Medical Officer Section

Dr Bhalchandra Pandya

Dr Dhruvi Desai

Dr Deepak Rathod

This section supports following services

- (1) Efficient management of Out Patient Department's services like Clinical Laboratories, Radiology etc.
- (2) Coordination of various services between the Institute, GCS Medical College, Hospital and Research Centre, Community Oncology Centre, Vasna, Home Hospice Service, etc.
- (3) They provide guidance and assistance to the patients for their treatment as well as benefit of various government schemes like MA Yojana, MA Vatsalya Yojana, SC / ST scheme, School Health Programme, support by other NGOs,

accommodation for patients' relatives around Civil Hospital campus etc.

- (4) They also conduct Patient Care Evaluation Meeting and decisions taken by the committee are conveyed to the management for execution and improvement of patient care services. Efficient support of Resident Medical Officers has helped large number of patients to avail financial assistance benefit of various government schemes for their treatment. We are proud to declare that we are treating the largest number of patients under the MA Yojana, MA Vatsalya Yojana and Lower Income Group Yojana.

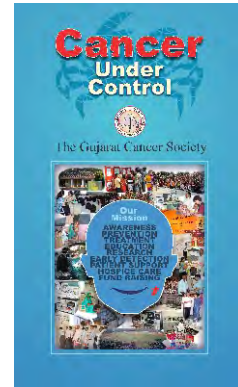
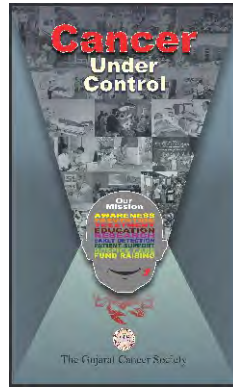


(K2) Educational Graphics & Medical Photography

Mr Dharmesh Panchal
Chief Photographer cum Artist

The department plays an important role in catering all the needs of Photography and Graphic work of the institute for the purpose of clinical, educational and public awareness activities. The department has three qualified graphic artists and photographer and is equipped with digital in-house production facility of educational material. The annual department workload includes more than 6300 clinical and various institutional activities photographs. Besides this the technical

manpower is contributing their expertise in designing institutional publication and printing materials e.g. designing annual reports, GCS Research Journal & cancer awareness posters for mobile exhibition. The department is also involved in facilitating preparation of presentation materials and handouts for scientific meetings. The department also participates in all the GCRI/GCS public awareness campaigns.



(K3) Library & Information Services

Nuri Kalita
Librarian

Jagdish Gohel
Assistant Librarian

Services: GCRI library plays an important role of increasing teaching and research work. It provides cooperation for research work, medical education, and improved facilities for patient's care. The Library of GCRI is attempting to preserve the record of medical knowledge in the form of Books, Journals, Databases, and Scholarly scientific collection and to provide more efficient service to faculties, resident doctors, students and research scientists. It caters to the need of user with its resources. The regular addition of Oncology books and journals to this library has enriched its collection and made it a good reference center particularly in the field of oncology. Though this, library has a vast collection of print and e- books and International and National journals of oncology. Our mission is to maintain highest standard of excellence in the preservation of knowledge.

GCRI library is fully automated medical Library, it has also well equipped air-conditioned computer lab with broadband internet facility for 24 hours. Faculties, residents, researchers, postgraduate students, fellows and paramedical staffs can access online journals, books, and other educational material easily which are subscribed by the institute. Library print collection is open access user-friendly system to users. The library has air-conditioned separate reading area for students as well as faculties. GCRI library use DDC classification for classified all the books and other materials. GCRI library database is managed through SOUL 2.0 software with barcode facilities. Books are borrowing to user through this Bar Coding System. The library has a dedicated E-resource centre for accessing a large number of electronic databases of journals and reference sources subscribed by the GCRI.





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Digital Library

GCRI digital Library is focused on the collection of digital objects that includes Institutional repository and online databases which are use exclusively for library members in the GCRI campus. GCRI library database is managed through SOUL 2.0 software with Web OPAC (Open Public Access Catalogue) facilities. Through use of Web OPAC facility user can find any catalog information of GCRI Library. The feature of Web OPAC is search facility by specifying Author, Title, Subject, and Year of publication or any other field. Institutional repository of GCRI has been created to collect, preserve and dissemination of the scholarly output of GCRI. Users can search PhD thesis, Dissertations, Logbook, Articles, Papers, Annual reports, GCSMCH quarterly News Letters, GCS Research Journal, Bibliographic information on book chapters, monographs, Old PG question paper etc using our digital library.

1. Borrowing facility

GCRI Library members can borrow Books, Bound volume, periodical, CD/DVD etc for a stipulated period.

2. Inter Library loan facility

Inter library loan facility is available with several local medical and biomedical libraries within the city for the benefit of the user to procure documents which are not available in our Library.

3. Reprography Service

GCRI Library provides reprography service for Photocopying, Scanning, and Printing at minimum price.

4. Reference Service

Library assists user for locating or searching required information from the physical library collection as well as digital collection and database. GCRI Library has initiated the internet based reference services for the users.

5. E-mail alert Service

- E-mail for new arrival Books & Journals to all library users.
- E-mail for all office circular
- E-mail for all academic event

6. Academic Service

Compilation & edition of all scientific clinical and research publication by GCRIan's in a form of book. (Soft & Hard). The Library keeps a record for displaying recent publications, upcoming conference, and meeting on the library notice board. CME, Clinical meeting and other academic events are inform to all academic staff by library through an email or displaying notice board.

7. Book/Periodical alerting Service

GCRI Library customizes and send table of content for newly subscribed books, journals etc to all GCRI library members via user's e-mail.

8. Internet Service

GCRI Library is well equipped with computer lab, broadband internet facility.

9. Document Delivery Service

GCRI Library provides DDS facility for Journal articles and books chapters on user's demand in both the format (Soft & Hard)

10. Literature Search Service

Library professionals are well versed in the carrying out of literature search for the users. The search results are delivered either as hardcopy or as an electronic form to user's desktop.

Resources	
Books	
Books titles (2001 onwards)	941
E-Books	108
Journals	
Current print journals	56 (International : 42, National: 14)
E-Journals	1650
Back bound volumes journals (2001 onwards)	3988
Databases	
ProQuest : Online full text e-journals database	1567
Ebrary ProQuest Perpetual E- Books online package	34
UpTo Date: Online Resources for Clinical Knowledge management Decision Support System	



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Ovid : Online Wolters Kluwer LWW E-Journals	20
Clinical Key : Online Full-text e-journals & E-Books	E-Journals 63 & E-books 74
Audio-Video (CD and DVD)	
E-Books and E-journals	173
Special collection on conference report of Live Surgery SELSICON 2011	71
HPB Workshop 2012	11
Institutional Repository	
PhD Thesis, Dissertation and Logbook (Softcopy & Hardcopy)	819
Public education and awareness material: Posters, E-Books & PPT	79

Staff publication	2014 onwards
Question paper (DM, MCH, MD, MLT and MSc Cancer Biology)	2007 onwards
Clinical photographs (Softcopy)	2009 onwards
Clinical meeting (Softcopy)	2010 onwards
Annual report of GCRI and GCS (Softcopy & Hardcopy)	1972 onwards
Statistical data / Cancer registry (Softcopy & Hardcopy)	1994 onwards
GCSMCH quarterly news letter	2013 onwards
GCS Research Journal	2009 onwards

Library Committee	
Chairman	Dr Rakesh Vyas, Incharge Director & Prof. of Radiotherapy
Prof. Incharge	Dr Asha Anand, Prof. & Head of Medical Oncology
Member Secretary	Dr Rakesh Rawal, SSO & In charge of MCPg (Cancer Biology)
Members	Dr Geeta Joshi, Deputy Director & Prof. & Head of Pain and Palliative Medicine Dr Kiran Kothari, Deputy Director, & Prof. of Surgical Oncology Mr Narendrasinh Chavda, Hospital Administrator Dr Hitesh Rajpura, Prof. & Head of Radiodiagnosis Dr Dhaval Jetly, Prof. & Head of Pathology / Dr Priti Trivedi Prof. of Pathology Dr Ava Desai Prof. & Chief of Unit-II of Gynaecological Oncology Dr Dhruvi Desai, RMO Ms Nuri Kalita, Head & Librarian

Activity of Library Committee

- To provide for proper documentation services and updating the Library collection.
- To work towards modernization and improvement of Library and documentation Services.
- To formulate policies and procedures for efficient use of Library resources.
- To review Library readers dept-wise and adopt measures to enhance readership.
- To prepare budget and proposals for the development of the Library.
- To guide the Librarian in formulating general library policies and regulations this governs the function of the library.
- To seek feedback on Library functions from readers and take measures to increase the membership of the Library beyond the boundaries of the Institute

(K4) Nursing Services

Mona Darji
Jayavanti Parmar
Matron Grade – I

Clinical Services: Nursing wing provide diversified Oncology Nursing Service to the cancer patients through various specialties like Central Venous Access Devices (CVAD) and Infection Control at various levels. This is a new Department in Nursing Care. In our Nursing Department, we have specially trained oncology nurses to give safe and effective nursing care to the Cancer patients.

Central Venous Access Devices (CVAD) Care Room: CVAD is run by specially trained nurses like Mrs Urmila Bhatia, Ms Manisha Bhavsar and Mrs Pinal Darji who are trained by one of the most exclusive and reputed Cancer Hospital i.e. TATA Memorial Hospital, Mumbai. They had undergone training like CVAD Services to the Cancer patients. We have started these services at GCRI since 2008. This is the first State of the art centre well known in Gujarat State. The services offered by this Department include pre and post counseling of the cancer patients and to give moral support to their relatives. Detail records of indoor and outdoor patients having Catheter Insertion and also removing the same and also records for dressing of these patients are maintained. Patient's relatives are educated about care of catheter, dressing and flushing of catheter. The records of port needle insertion, PICC insertion, Hickman Catheter Insertion, Certofix Catheter Insertion are kept. The trained nurses teach the same procedures to Nursing Students, Junior / Senior Nursing staff regarding the Catheter care.





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Details of Work Done	
Procedure / Test	Number
Dressing	5460
Hickman Catheter Insertion	58
Port Insertion	136
Port Needle Insertion	1336
PICC Insertion	327
Certofix Insertion	224
Cavafix Insertion	116
Removal (Total)	415

Paediatric OPD	
Procedure	Total
Old (April to August)	5995
New	1223
Chemotherapy	7914
PCV / PRP	1101
IT	2503
CSF collection	718
BMBX	1081
BBX	399
BM collection for Cytogenetics	205
BM collection for Immunophenotyping	233
Add Adult	3863
Taxol	1585

Chemotherapy, Blood Transfusion & Other Procedure Data	
Procedure	Total
Chemotherapy	44579
Blood Transfusion	3412
BMBX	3362
BBX	1851
IT	2247
CSF collection	1048
Pleural fluid tapping	356
Ascitic fluid tapping	100
Extra	479



(K5) Stoma Clinic

Details of Work Done	Number
New Patients	453
Old Patients	2156
Number of colostomy bags	9806

Clinical Services: This is the first Stoma Clinic in Gujarat State started on March 4, 1983. In stoma clinic two Enterostomal Therapist, CET special qualified are working. The services offered by the department include: (1) Giving pre-operative counselling to the patients and their relatives, (2) Before operation, stoma marking to prevent future problem, (3) Selection of the stoma bags according to stoma size and applying on ostomy patients as well as faecal fistula drainage patients, (4) Giving detail instruction and advise about stoma bags and stoma management to patients and their relatives and application of stoma bag, (5) Giving Post operative counselling to patients and their relatives, (6) Keeping detail record of Indoor and Outdoor patients like Colostomy, ileostomy, ileal conduit, faecal fistula and Drainage, (7) Keeping detail record of various types of stoma bags for indoor and outdoor patients, (8) Teaching nursing students about colostomy care, and (9) Keeping the records of cancer care patients.



(K6) Pharmacy

Arvind Kotadiya
Chief Pharmacist & Store Officer

Activities: About 451 medicines are dispensed from pharmacy. The Pharmacy Computers are linked with all bill collection counters to know the day-to-day availability stock of medicines in pharmacy. Pharmacy services are arranged in such a way that only outdoors patients (with Rx of Tablet/capsules) are supplied Medicines from ground floor R.No.25, which is just near to cash collection counter. Indoor Patients (admitted in wards) are dispensed medicines from second floor (Dispensing Pharmacy for Indoor patients) near to B.M.T. ward R.No. 210 which remains open from morning 8:00 am to evening 8:00 pm. Day care patients are dispensed chemotherapy and its supporting drugs near to Chemotherapy ward Room No.7 defined as Chemotherapy Pharmacy. Patients of operations theatre, Post operative patients and ICU Patients has been dispensed medicines from OT Pharmacy located in premises

of OT, first floor. Paediatric patients are supplied medicines from paediatric pharmacy located at GCSMC, Naroda. Arrangements are made for the pharmacy requirement of Siddhpur Cancer Care Centre. Online Ward Indents system is established which is implemented successfully. All Departments as well as wards for their Medicines requirement indents are supplied from Main store located at first floor above Annapurna canteen. Management of Pharmacy includes procurement, distribution and control of all pharmaceuticals used within the institution and for management of personnel within the pharmacy department is controlled by Main Pharmacy Store. Patients of MA Yojana and SC/ST category are supplied costly drugs as well as surgical items / ortho-surgical items free of cost. To provide better services to patients the pharmacy remains open from 8.00 AM. to 8.00 PM.



(K7) Physiotherapy

Dr Manali Shah
Senior Lecturer in Physiotherapy

Dr Vibhuti Shah
Dr Jasmin Khoja
Physiotherapist

Clinical Services: The department renders services to both indoor & outdoor patients. Indoor services are mainly for postoperative phase who had undergone surgery or for patients who are on ventilators or tracheostomy patients. Outdoor services are mainly consists of preoperative chest physiotherapy, pain relief & rehabilitation. All patients undergoing for major operation are referred to this department. Electrotherapy has various pain relief modalities. Rehabilitation of paraplegics, quadriplegics, amputees, orthopaedic condition like total knee replacement, hip replacement, rotationplasty and peripheral nerve injury. The department also treat paediatric group of patients having above problems by giving them quality of treatment which helps them to live near normal life. The patients of trismus, radiation mucositis & lymph edema are treated over here.

Details of Work Done	Number
Indoor patients	20676
Outdoor patients	4775

Academic Activities

The department is involved in Clinical teaching to B. Physiotherapy students of self finance colleges.



(K8) Prosthesis and Rehabilitation Centre

Dr Hemen Jaju
Head & Plastic Surgeon

Jyotika Soni
Medical Sculpture Artist

Dipan Soni
Assistant Medical Sculpture Artist

Clinical Services: The department prepares artificial limbs and organs, part of face and other prosthesis. The below mentioned prosthesis are made from silicone and Acrylic. A total of 1408 patients attended for prosthesis and of them 697 were new patients and 711 were follow-up patients.

Academic Activities

Total 17 MDS students attended the department for one month training for external prosthesis of maxillo facial. Total 1654 M.Sc., B.Sc., GNM nursing

students and tutors also come to learn about External Prosthesis as it is one of the subject of their curriculum. Patients are also given training of how to use the Prosthesis and are rehabilitated.

Details of Work Done	Number
Ear Prosthesis	14
Eye Prosthesis	19
Nose Prosthesis	10
Lip Prosthesis	04
Cheek Prosthesis	09
Chin Prosthesis	04

Details of Work Done	Number
Thumb Prosthesis	04
Finger Prosthesis	14
Palm Prosthesis	02
Breast Prosthesis	616
Foot Prosthesis	01



L. CANCER BIOLOGY

Department of Cancer Biology was established in 1980 with primary research focus area on Translational Cancer Research. The department has now metamorphosed into 5 state of the art research laboratories involved in basic and applied research in cancer biology and caters advanced diagnostic services for cancer patients.

Research Activities: Since its inception, the department is actively engaged in clinically oriented research projects and has contributed significant data having clinical implications for cancer patients. The major areas of research are Cancer aetiology, Signal transduction, Genomics, Cytogenetics, Pharmacogenomics, Proteomics, Stem cell biology etc. Based on our previous findings and our internationally published data, major ongoing research projects of the department are aimed to explore cancer biology (molecular signatures) with following major objectives:

- Identification of novel mutations/polymorphisms in Indian patient population
- Geographic variation in aetiologic factors, genetic profile and proteomics/glycoproteomics profile between patients within India
- Identification of newer drug targets and drug discovery
- To develop Salivaomics approach as Non-Invasive tool for early detection of oral cancer
- Role of cancer biology to help cancer screening programmes at molecular level which is the need of the day in India

Clinical Services: More than 200 clinical investigations are done using advanced diagnostics and molecular techniques such as: Immuno-chemi-luminescence enzyme assay, Conventional cytogenetics, FISH, Multi-color FISH, PCR, Real Time PCR, ELISA, Immunohistochemistry, Flow Cytometry etc.

Educational Activities: The department runs Post-Graduate Degree Courses such as M.Sc. (Cancer Biology), M.Phil. and Ph. D. (Life Science) in affiliation with Gujarat University.



(L1) Biochemistry Research Division

Dr Prabhachai Patel
Professor & Head
Cancer Biology Department

Dr Jayendra Patel
Dr Franky Shah
Senior Scientific Officers

Dr Kinjal R Patel
Shruti Patel
Junior Research Assistants

Clinical Services: BCR-ABL and PML-RAR fusion gene by real time PCR method is carried out. FLT-3 by restriction fragment length polymorphism method and JAK-2 V617 mutations by real time PCR method are standardized and carried out.

Research Activities: The research activities of the division are revolving around the following aspects. Assessment of the role of tobacco habits, various other lifestyle and sociodemographic factors, dietary patterns and interplay of enzymatic and non enzymatic antioxidants in an etiology of tobacco related cancers. Applications of proteomics in cancer research by analysis of 2 dimension maps from serum and cytosolic proteins of patients with various malignancies. The alterations in glycoproteins, membrane glycolipids, glycoprotein metabolic enzymes and glycoprotein electrophoretic changes are evaluated to assess their role in diagnosis, prognostication and management of cancer patients. In addition NF- κ B pathway, role of telomeres-telomerase and its components, matrix metalloproteinases and tissue inhibitor of metalloproteinases are studied. Salivary biomarkers in oral cancer, assessment of p53 mutations and its polymorphisms in oral and breast cancers, vitamin D signaling pathway and DNA repair pathway in breast cancer, HPV and angiogenesis in oral and cervical cancers are also studied. A multinational project on 'Immunoscore' a new approach for colon cancer classification is on-going.





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Detail of Work Done	Number of Tests	Number of Patients
BCR-ABL fusion gene estimation by real time PCR	1100	1080
PML-RAR fusion gene estimation by real time PCR	90	80
FLT3 mutation by restriction fragment length polymorphism method (June 2016 - March 2017)	115	108
JAK-2 V617F mutation by real time PCR (June 2016 - March 2017)	50	41

Academic Activities

The staff members of the division is involved in teaching of M.Sc. Cancer Biology, M Phil and PhD in Life Sciences affiliated to Gujarat University. Theoretical and practical demonstration of various molecular biology and biomedical techniques were carried out for the students who came as observers from various universities.

Major Achievements

Dr Prabhahai Patel, Professor and Head, was co-organiser of 2nd MOSCON 2017 held at Ahmedabad on Jan 21-22, 2017.

Dr Franky Shah has successfully completed Cancer Genetics - short course from PAN genomics, Ahmedabad, in 2016.

Ms Kinjal R Patel received third prize for poster presentation at 2nd MOSCON, Ahmedabad, on Jan 21-22, 2017.

Ms Sabrina Pathan received first prize for poster presentation at 2nd MOSCON, Ahmedabad, on Jan 21-22, 2017.

Ms Kinjal Dobariya, Ms Monika Gadhiya and Ms Aishwarya Nair, M.Sc. Cancer Biology students received third prize for poster presentation at 2nd MOSCON, Ahmedabad, on Jan 21-22, 2017.



(L2) Cell Biology Division

Dr Prabhachai Patel
Professor & Head
Department of Cancer Biology

Dr Pina Trivedi
Junior Scientific Officer

Dr Dharmesh Patel
Research Assistant

Clinical Services: Cytogenetics Lab is equipped with the state of art set up for research in the area of clinical cytogenetics. The division is actively engaged in research on various aspects of chromosomal abnormalities. Major clinical services provided by the division are for diagnosis and prognostication of patients with various hematological malignancies. The services are provided to the GCRI patients as well as other cases referred from various other places.

The department is equipped with Metafer, Automatic Metaphase and Interphase Scanning and Capturing System for Karyotyping and FISH (Fluorescence In Situ Hybridization) assays. It has a fully motorized epi-fluorescence microscope (Imager.Z2) from Zeiss, Germany with special filter sets for FISH and multicolor FISH. It has IKAROS software for Karyotyping and ISIS software for FISH from Metasystems, Germany. The system also has facility of automatic spot counting for FISH analysis for hematological malignancies and solid tumor using Metacyte software. It has 4 review stations. Moreover, the division also has 4 other systems from Metasystems, Germany. In addition to Karyotyping, FISH (Fluorescence in situ hybridization), M-FISH (multicolor FISH) and generation of custom made FISH probes from Bacterial artificial chromosomes also provides precise chromosomal breakpoint mapping in leukemia as well as in solid tumor patients. For FISH automation, hybridization and, denaturation chamber (Thermobrite, Vysis, USA) helps in rapid and consistent FISH assays. Department has also started solid tumor FISH for Her-2 neu for clinical diagnostic work.





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Details of the Work Done	Number
Conventional Cytogenetic study of leukemia from bone marrow/peripheral blood	1195
FISH tests for following genetic rearrangements:	
Translocation 9;22	892
Translocation 8;21	144
Translocation 15;17	95
Translocation 16;16/inversion 16	245
Rearrangements of 5q (two different loci)	52
Rearrangements of 7q (two different loci)	52
Copy number of X &/or Y	87
Solid Tumor FISH	
Her-2 Neu FISH	78

Major Achievement

Dr Dharmesh Patel received 2nd prize for poster presentation in the 2nd MOSCON 2017, Ahmedabad on Jan 21-22, 2017.

Academic Activities

The Cytogenetic Laboratory enrolled graduate and post-graduate students from universities across India for observership, project work and dissertation. Staff of the Cytogenetic Laboratory is involved in M.Sc. Cancer Biology course for teaching and practical work. Cytogenetic Laboratory also enrolled PhD students with Gujarat University for dissertation. Weekly seminars are also conducted in the Laboratory by staff members to discuss recent trends in cytogenetic cancer research.



Research Activities

The main research thrust of the division is chromosome analysis of leukemia patients. Chromosomal anomalies are documented at diagnosis and during later stages of the disease, which aids in prognostication and clinical research. Metaphase chromosomes are obtained following short-term cultures of peripheral blood lymphocytes and bone marrow. The novel chromosomal anomalies as per the leukemia subtypes are contributed to existing pool of databases of chromosomal aberrations in leukemia by publishing in national and international journals. Karyotype analysis by GTG banded metaphases is substantiated by locus specific and/or whole chromosome FISH in leukemia and solid tumor, and multiplex-FISH for increased sensitivity of chromosome anomaly detection. Generation of custom made FISH probes from Bacterial artificial chromosomes to identify novel chromosomal breakpoints.



(L3) Immunohistochemistry & Flow Cytometry Division

Dr Hemangini Vora
Associate Professor

Dr Kruti Rajvik
Dr Shalvi Mehta
Dr Birva Brahmhatt
Research Assistants

Dr Nupur Patel
Junior Research Assistant

Clinical Services: The division evaluates 96 immunohistochemical markers for differential histopathological diagnosis and predictive markers such as ER, PR and Her-2-neu. Immunophenotyping of leukemia / lymphoma has been carried out along with PNH and CD34 evaluation.

Research Activities: The main areas of research include transcriptome sequencing of triple negative breast cancer, oral cancer and acute myeloid leukemia to identify genes involved in disease pathogenesis. The molecules of EMT pathway, circulating tumor cells, cancer stem cells, and molecules of cancer stem cell niche are being evaluated in breast cancer patients. In B-ALL, role of Ikaroz gene and MRD evaluation is carried out by flow cytometry. Based on above research areas 6 research projects are ongoing in our division.





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Details of Work Done	Number of Tests	Number of Patients
Clinical work		
Immunohistochemistry		
Immunohistochemical Markers (96 markers)	24990	3809
Estrogen and Progesterone receptors (ER/PR)	3426	1622
Her-2-neu	1719	1601
Total	30135	7032
Flow Cytometry		
Immunophenotyping markers by flow cytometry	19572	1038
CD 34 percentage	152	45
PNH study	315	59
Total	20039	1142
Research work		
Immunohistochemical markers	550	50
Markers by Flow Cytometry	1150	150
Immunohistochemical markers for dissertation work	300	100

Academic Activities

The division is involved in teaching of MSc Cancer Biology, MPhil and PhD students. The division enrolls MSc, MPharm, MDS and MD students as observers.

Major Achievements

Dr Hemangini Vora, Associate Professor, was Faculty for panel discussion at 2nd MOSCON 2017 at Ahmedabad on Jan 21-22, 2017.

Dr Shalvi Mehta, Research Assistant, received second prize for poster presentation at 2nd MOSCON-2017, Ahmedabad on Jan 21-22, 2017.

Ms Dipali Ahuja, Junior Research Fellow, received Dr. T. B. Patel Bronze Medal for oral paper presentation during Hospital Day Celebration on Mar 11, 2017.

Devashish Mehta, PhD Student, received second prize for poster presentation at 2nd MOSCON-2017, Ahmedabad on Jan 21-22, 2017.



(L4) Medicinal Chemistry and Pharmacogenomics

Dr Rakesh Rawal
Senior Scientific Officer

Dr Apexa Raval
Research Assistant

Ms Urja Desai
Ms Jigna Dave
Junior Research Assistants

Clinical Services: Medicinal Chemistry and Pharmacogenomics Lab is actively involved in Molecular diagnosis of EGFR mutation detection from clinical samples.

Research Activities : The division is working on liquid and solid tumors with special emphasis on developing in vitro models for leukemic stem cells to study the pharmacogenomics of drug resistance. The division is studying the genomic landscape of oral cancer and EGFR variants in lung and brain tumors. Moreover the division is also working on the predictive models of cancer metastasis. Till date the protein and transcript expression of various growth factors and receptors were assessed in breast cancer. Virtual screening of natural compound library, molecular modeling and simulation followed by in-vitro validation is also in the focus area.





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Details of Work Done	Number of Patients
EGFR Exon study	156

Academic Activities

The staff members of the division is involved in teaching of M.Sc. Cancer Biology, M Phil and PhD in Life Sciences affiliated to Gujarat University. Theoretical and practical demonstration of various molecular biology and biomedical techniques were carried out for the students who came as observers from various universities.

Major Achievements

Ms Kanisha Shah received Gold Medal for TB Patel Young Research Scientist Award for oral paper presentation on Hospital Day Celebration on 11 March 2017.

Dr Saumya Patel received first prize for poster presentation at 2nd MOSCON, Ahmedabad on Jan 21-22, 2017.

Ms Urja Desai, Junior Research Assistant, received second prize for poster presentation at 2nd MOSCON, Ahmedabad on Jan 21-22, 2017.

Ms Mansi Bhavasar, Junior Research Fellow, received second prize at 2nd MOSCON, Ahmedabad on 21-22 Jan, 2017.

Kavan Shah, M.Phil. student, received first prize at 2nd MOSCON, Ahmedabad on Jan 21-22, 2017.

Workshop Organized

Two days Preceptorship program on Molecular testing in lung cancer organized by Dr Rakesh Rawal in August 2016.



(L5) Molecular Endocrinology Division

Dr Nandita Ghosh
Assistant Professor

Dr Trupti Trivedi
Senior Scientific Officer

Dr Toral Kobawala
Research Assistant

Ms Kinjal Gajjar
Junior Research Assistant

Research Activities : Biomarkers are central to detection, diagnosis and management of cancer and hold vast potential for the development of effective new personalized cancer therapies. For this, it is necessary to define the cumulative genetic events and how genes work, particularly, genomic instability, genes involved in deregulation of signal transduction, transcription factors, cell cycle regulatory and DNA damage and response pathways, and evaluate their clinical relevance. At present, the research activities of this division are focused at studying the clinical relevance of multiple biologic markers by fully exploiting the genetic machinery involved in the initiation and progression of cancer along with tumor microenvironment using recent technologies. In breast and oral cancer, research revolves around the vital role of Jak-Srcs-Stats and cytokine signal transduction pathway mediated by EGFR, DNA damage repair pathways, stem cell markers, their interaction with microRNAs, and subsequently its relevance for patient management. In colorectal cancer, the role of Fas receptor and its ligand, Sparc receptors, vitamin D receptors, Thymidine synthetase and ERCC-1 gene polymorphism will be exploited. The information gained will be valuable for a more reliable estimate of tumor behaviour to predict patients' prognosis, identify individual patients who are at a low risk or high risk of relapse, detection of micrometastasis and monitoring the course of the disease. In thyroid malignancies, the role of cytokines involved in pathogenesis of the disease is exploited. Subsequently statistical analysis of the data is performed.

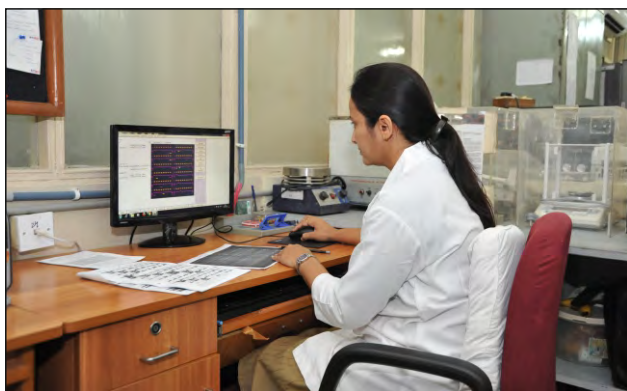




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Academic Activities

The division participates in various academic activities of the institute. They comprise of weekly seminars of the department, enrollment of PhD students and MSc Dissertation students. Moreover, the division is actively involved in M Sc Cancer Biology course. Lectures and practicals for students of MSc Cancer Biology are being organized by the division.



Major Achievements

Dr Toral Kobawala, Research Assistant, received 3rd prize for poster presentation in Cancer Biology & Therapy, held at School of Biological Sciences and Biotechnology, University and Institute of Advanced Research, Gandhinagar, on October 7-8, 2016.

Ms Mahnaz Kazi received Dr T B Patel Silver Medal (Young Scientist) for oral presentation during Hospital Day Celebration on March 11, 2017.



Ph.D. Viva Voce examination in the presence of External Examiner



M. EDUCATIONAL ACTIVITIES

The Institute is engaged in various types of educational and training programmes, like (M1) Activities of the Scientific Research Committee, (M2) Clinical Research Meetings, (M3) Complementary Training Programme to Formal Education, (M4) Formal Educational Courses, (M5) GCS Research Journal, (M6) Hospital Day Celebration, (M7) Professional Training to Doctors and Scientists, (M8) Professional Training to Paramedics, and (M9) Staff Training - Intramural and Extramural.

(M1) Activities of the Scientific Research Committee



The Scientific Research Committee (SRC) functions throughout the year to promote, facilitate and maintain the basic and applied research in the field of cancer under the chairmanship of **Dr Rakesh Vyas**, Incharge Director and Member-Secretary **Dr Asha Anand** of the Scientific Research Committee. All the research activities were scrutinised, approved and monitored by the Scientific Research Committee and also by the Ethics Committee, both of which met regularly every three months or earlier, if needed. At the SRC meeting, scientific details and other routine issues are discussed. The office bearers of Scientific Research Committee also met in the year several times as and when required.

At the annual meeting, in the presence of invited experts, all the new proposals as well as the ongoing projects were discussed and were approved with budgetary recommendations. At the 6

monthly meeting, new and ongoing projects were also discussed and approved for continuation.

Annual Meeting of the Scientific Research Committee was held once. However, there were as a part of the scientific review committee, 6 scientific meetings (April 21, May 17, July 15, and Sept 06 2016, Mar 10 and Mar 15, 2017) were held. The Ethics Committee Meetings (April 23, July 16, July 30, Sept 12, Oct 01 and Dec 03, 2016) were held under the chairmanship of Hon'ble Justice **Shri Bankim Mehta**, **Shri Narayanbhai Patel**, and Member-Secretary **Dr. Shilin Shukla**. Invited members were **Dr. Rakesh Vyas**, **Shri Kshitish Madanmohan**, **Dr. Ava Desai**, **Dr. Bhavna Shah**, **Dr. R. K. Dikshit**, **Dr. Amar Vyas**, **Shri Himanshu Patel**, **Ms. Bhagvati Patel**, **Ms. Hansa Joshi**, **Dr. (Col.) Yashvant Joshi**, **Dr. Geeta Joshi**, **Dr. Kiran Kothari**, **Dr. Asha Anand**, **Dr. Prabhudas Patel**, **Dr. Hemangini Vora** and **Dr. Rakesh Rawal**.

(M2) Clinical Research Meetings

Regular bimonthly academic and scientific clinical meetings are arranged at Cama Hall, GCRI, on 2nd and 4th Saturdays. **Dr Rakesh Rawal**, Senior Scientific Officer, and **Dr Pooja Nandwani Patel**, Associate Professor, is the coordinator of this activity and during the year, a large number of clinical and research subjects are discussed. Total 13 Clinical presentations, 16 Journal

presentations, 1 company presentation were discussed. **Dr Dipika Patel**, Associate Professor of Anaesthesiology and **Dr Bijal Patel**, Associate Professor of Gynaecological Oncology are the coordinators of Mortality Morbidity Case Meeting, and 11 Mortality Morbidity Case Meeting were discussed at the Clinical Meetings from Apr 2016 to Mar 2017.



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(M3) Complementary Training Programme to Formal Education

GCRI allows its infrastructural facilities and educative talent to be used by other educational institutions to give professional training to their students, who come for observership, fellowship,

project work, dissertation work, PhD work, apprenticeship, etc. Total 2253 students from 138 institutions had taken benefit of learning and training facility and opportunity provided by us.

(M4) Formal Educational Courses

The institute is affiliated to the BJ Medical College and Gujarat University, Ahmedabad, for subspecialty teaching in the subjects of Medical and Surgical Oncology (DM and MCh courses) as well as postgraduate teaching in subjects like Pathology, Radiodiagnosis, Gynaecological

Oncology, Anaesthesiology and Radiotherapy (MD, DCP, DMRE, DA courses). The Institute is also recognized for MSc in cancer Biology, MPhil and PhD degree from Gujarat University (Life Sciences and Medical Microbiology) and MS University (Biochemistry).

(M5) GCS Research Journal

As GCS Research Journal, academic and research work of Research Divisions and Clinical Departments of the Gujarat Cancer and Research

Institute regularly published by GCS. **Dr Asha Anand, Dr Pariseema Dave and Dr Nandita Ghosh** were the editors of the bulletin.

(M6) Hospital Day Celebration

Eminent National Scientists were honoured with Dr T. B. Patel Oration Award and Shri Ramniklal J. Kinarivala Cancer Research Award. Young Scientists, Clinical Departments and Research Divisions were encouraged with Dr T. B. Patel Research Medals, Smt. Vibha Mehta and Smt. Vimla Agrawal Rotating Trophies. Shri Madanmohan Ramanlal GCRI Luminary Award is created by the Gujarat Cancer Society with generous donation from Madanmohan family for Senior GCRIan for his valuable contribution to GCRI.

Dr T. B. Patel Oration awarded to **Dr Niranjan Khandelval**, Professor & Head Radiodiagnosis, PGIMER, Chandigarh. He delivered a lecture on 'Ablative therapies in oncology: Current Scenario'.

Late Shri Ramniklal J. Kinarivala Cancer Research Award conferred to **Dr Subhada Chiplunkar**, Director ACTREC, Navi Mumbai. She delivered a lecture on 'Emerging protumor role of gamma delta T lymphocytes: Implications for cancer immunotherapy'.

The Hospital Week celebrated from Mar 6 and 11, 2017 with a festive and jubilant mood. **Dr Himanshu Pandya, Vice-Chancellor of Gujarat University** was the Chief Guest of the Hospital Day function. The main events included scientific awards, orations and felicitations in the field of Cancer Research, GCRI Luminary Oration and cultural programme by the staff members.

Shri Madanmohan Ramanlal GCRI Luminary Award conferred to **Dr Kirtibhai Patel**, Dean GCSMCH&RC, Former Deputy Director of Medical Oncology of GCRI, for his valuable contribution to GCRI and in his discipline Medical Oncology.

The following were the awardees:



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Shri Madanmohan Ramanlal GCRI Luminary Award conferred to **Dr. Kirtibhai Patel**, Former Deputy Director of GCRI and Dean GCS Medical College.



Dr. T. B. Patel Oration awarded to **Dr Niranjn Khandelval**, Professor & Head Radiodiagnosis, PGIMER, Chandigarh.



Late Shri Ramniklal J. Kinarivala Cancer Research Award conferred to **Dr Subhada Chiplunkar**, Director ACTREC, Navi Mumbai.



Dr Himanshu Pandya, Vice-Chancellor of Gujarat University as Chief Guest at the function.



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Dr T. B. Patel Research Medals awarded to Junior Scientists

	Clinical Wing	Research Wing
Gold Medal	Dr Pabashi Poodar Gynaecological Oncology	Ms. Kanisha Shah Medicinal Chemistry & Pharmaco Genomics Division
Silver Medal	Dr Pushpak Chirmade Medical Oncology	Ms. Mahanaz Kazi Molecular Endocrinology Division
Bronze Medal	Dr Mangirish Kenkre Gynecological Oncology	Ms Dipali Ahuja Immunohistochemistry & Flow Cytometry Division



**Vimla Agrawal Trophy (Clinical Department)
for maximum Publications Medical Oncology**

**Vibha Mehta Trophy (Research Division)
for maximum Publications Medicinal Chemistry & Pharmacogenomics**



Dr. T. B. Patel Research Medal Winners



Felicitation of Retired Staff



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(M7) Professional Training to Doctors and Scientists (Conferences, Workshops)

As a part of professional training efforts several scientific meets were organised during the year. Some of them are joint efforts with the professional bodies.

No.	Workshop/Conference	Organisers	Date
1	Preceptorship programme on Molecular testing in Lung Cancer	Dr Rakesh Rawal Cancer Biology	August 12-13, 2016
2	CME by Association of Radiation Oncologists of India	Dr U Suryanarayana Dr Pooja Nandwani Radiotherapy	September 10-11, 2017
3	Medical Oncology CME	Dr Asha Shah Dr Harsha Panchal Medical Oncology	September 17, 2016
4	Hyperthermia 2017: 9 th Biennial Conference of Hyperthermia	Dr. Ankita Parikh Dr. Jigna Bhattacharya Radiotherapy	February 18-19, 2017

(M8) Professional Training to Paramedics (Technological Courses)

Medical laboratory technology is one of the largest and most important professions that provide allied healthcare. The Technicians are skilled scientist who perform test that aid in the diagnosis and treatment of diseases. As vital member of the healthcare team, they assist physician during diagnosis and treatment of patients.

The main objective of the course is to train technologists and help them to get ample opportunities in a variety of laboratory setting. As there is a healthy demand of well qualified medical laboratory technologist, they can get placements in hospitals and laboratory settings public health facilities, industrial laboratory and in colleges. Incharge Director **Dr Rakesh Vyas** is the Chairperson, and **Dr Priti Trivedi**, Professor of Pathology is the Coordinator of the course. All the doctors of the Pathology (12), Microbiology (2) and Blood Bank (3) are involved in the teaching activities. All junior and senior technologists are involved in the practical training of the students.

It is one year full time course. BSc Microbiology and Biochemistry students are eligible for the course. Total fifty students are selected on the base of BSc results and entrance test results.

MLT course of training is divided in to two parts: Theory and Practicals. Total 80 lectures are taken by the teaching staff doctors to cover the subject. So far practicals are concerned, each students has two months rotation in each subspecialty like Blood bank, Haematology, Biochemistry, Microbiology (clinical microbiology and immunology), Cytology and Histology. Each student has to work with a technologist on each table in the course of each single rotation where they are given adequate technical knowledge. Students are also expected to complete all the practical's and prepare a journal which at the end of the rotation must be signed by a senior doctor. They have to submit feedback form which includes their work efficiency, sincerity and regularity. This form is filled up by technologist and incharge doctor at end of each rotation. There are two types of assessment of the students, day to day assessment and regular assessment at the end of the year in form of theory and practical examination.

All the teaching activities, MLT course exam schedules and MLT course related activities are monitor by Coordinator. Coordinator reports all the activities of MLT course to the Chairperson and Co-chairpersons regularly.

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(M9) Staff Training - Intramural and Extramural

As a part of staff training, nursing and other staff was also exposed to systemic training programme that related to hospital infection control. This year 7 doctors and 19 other staff members of our

Institute were given support and encouraged for training. The training areas included Review Course and Scientific Workshops.

No	Name	Designation	Division / Department	Subject of Training and Place	Date
Blood Bank					
1	Dr Dhara Ardeshana	Medical Officer	Blood Bank	Orientation to NABH Blood Bank Standard, Silver Cloud Hotel, Ahmedabad	February, 2017
2	Ketki Kathiara	Bio-chemist			
3	Rajesh Rajvanshi	Sr. Lab Technician		NACO Training at IHBT Dept., Civil Hospital, Ahmedabad	March, 2017
Microbiology					
1	Dr Parijat Goswami	Professor & Head	Microbiology	Training on Advancing TB Research P. D. Hinduja Hospital & Research Center, Mumbai	April 2016
2				3 day Workshop on Internal counselor Programme on NABH standards conducted by Quality Council of India, Ahmedabad	August 2016
3				Health Care Associated Infection Control (Basic)	March 2017
Community Oncology & Medical Records					
1	Dr Janmesh Shah	Assistant Professor	DCOMR	Workshop on extended follow-up phase for HPV Vaccine Study at Hotel Pristine, Nr. Airport Circle, Ahmedabad	26-27 May, 2016
2	Dr Anand Shah	Assistant Professor			
3	Dr Rohini Patel	Medical Officer			
4	Jayesh Solanki	Statistical Assistant			
5	Swati Rana	Case Writer			
6	Rohit Cholavia	Field Worker			
7	Kashyap Makwana	Community Worker			
8	Jayesh Koshti	Community Worker			
9	Dr. Janmesh Shah	Assistant Professor		XXXII Annual Review Meeting of National Cancer Registry Programme, NCDIR-ICMR, Bangalore at Naga Hospital Authority, Kohima, Nagaland	11-12 Nov, 2016

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No	Name	Designation	Division / Department	Subject of Training and Place	Date
10	Jayesh Solanki	Statistical Assistant	DCOMR	XXXII Annual Review Meeting of National Cancer Registry Programme, NCDIR-ICMR, Bangalore at Naga Hospital Authority, Kohima, Nagaland	11-12 Nov, 2016
11	Dr Janmesh Shah	Assistant Professor	DCOMR	Project Review Meeting of Setting up of Hospital Based Cancer Registries and Patterns of Care and Survival Studies in Regional Cancer Centers at National Cancer Registry Programme, NCDIR-ICMR, ICMR Complex, Bangalore	1 Feb, 2017
Nursing Services					
1	Mita Suthar	Staff Nurse	Nursing Service	Essential of palliative care	25-27 Nov, 2017
2	Sushilaben Parmar	Staff Nurse			
3	Kerolin Patel	Staff Nurse			
4	Varsha Thakkar	Staff Nurse	Nursing Service	Course for Palliative care	14 Nov-24 Dec, 2017
5	Mona Darji	Matron	AMA	Grooming Program for Nursing and Supporting Staff	21 Jan, 2017
6	Arpit Christian	Sahayak Staff Brother			
7	Mona Darji	Matron	Baroda	Hospital Acquired Infection	26 Feb, 2017
8	Jaguti Dharani	Staff Nurse	CIMS Hospital	Critical Care Nursing	11-12 March, 2017
9	Revathi B.G.	Sahayak Staff Nurse			
10	Himanshu Patel	Sahayak Staff Brother			
11	Sumit Shresth	Sahayak Staff Brother			
12	Jitesh Bavleecha	Sahayak Staff Brother			
13	Stallon Christian	Sahayak Staff Brother	TATA, Bombay	Pediatric Oncology	2 Jan - 14 Feb, 2017
Radiotherapy					
1	Dr Maitrik Mehta	Associate Professor	Radiotherapy	Advanced ELEKTA training for Machines, Mannheim University, Germany	12-16 Sep, 2016
2	Dr Pooja Nandwani Patel	Associate Professor	Radiotherapy	Training for Advanced Conformal Radiotherapy Techniques, Mannheim University, Mannheim Germany	12-16 Sep, 2016

N. LION BHARAT KSHATRIYA COMMUNITY ONCOLOGY CENTRE (COC, VASNA)



The Community Oncology Centre is created with the help of generous donation from Late Shri Rajendrabhai Dwarkadas Thakore and Lion Bharat Kshatriya. It is a unique centre of its kind for last 20 years. Its initially area of work was hospice activity. For last 13 years its activities have increased in preventive and diagnostic work. Functioning of this centre is different from other hospitals. Its main emphasis is based on community related work: academic, research, preventive etc. We can divide the activities of this centre as under:

- Care of terminally ill patients as a part of hospice
- Cancer awareness permanent exhibition for school and college children in particular and public at large
- Lecture avenue and lecture hall for the cancer awareness functions
- Health check up scheme for early detection of cancer
- Breast cancer help-line for all the queries arising from State of Gujarat as regards early detection and treatment of breast cancer
- Social and cultural activities of the Institute and Society
- Madan Mohan Ramanlal Urban Health Centre
- Cancer Control Activities





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The following Schools, Colleges, Institutions, NGOs and other organizations who visited during the year 2016-2017.

No	Details of Schools
1	A One School
2	Diwan Ballubhai
3	F. D. Dariyapur
4	A. K. Patel School

No	Details of Schools
5	Nootan Adarsh School
6	Aklavya School
7	Muktjivan School
8	School of Nursing Palanpur

No	Details of Colleges
1	R. J. Commerce College
2	Swami Narayan Arts College
3	Gujarat Arts And Science College
4	K. K. Shah Jarodwala Maninagar Science College
5	Civil Trainer Psychologies

No	Details of Colleges
6	Government Polytechnic – Gandhinagar
7	Saraspur Arts College
8	Bhavans Arts College
9	St Xavier's College

No	Details of Medical Colleges
1	GCS Medical College
2	AMC Met Medical College
3	Smt. N.H.L. Medical College

No	Details of Medical Colleges
4	Sola Civil Medical College
5	B.M. Institute of Mental Health

No	Details of Nursing Schools & Colleges
1	Soham Nursing School
2	Govt. College of Nursing, Jinera
3	ESIC School of Nursing
4	Dr. B. R. Ambedkar Nursing School
5	Manav Nusing School
6	Shrey Hospital Nursing College
7	Chitrini School of Nursing
8	Globe Hospital School of Nursing
9	J. G. Nursing College
10	Manikaka Topawala Nursing College
11	Sahajanand School of Nursing
12	M. Sc. Nursing Civil Hospital
13	Shubham Nursing College
14	M. M. Singhi Institute of Nursing

No	Details of Nursing Schools & Colleges
15	Student From USA Sola Civil Hospital
16	Govt. College Of Nursing – Siddhapur
17	Shantiniketan Nursing College, Gajeriya
18	AINS Nursing College
19	Vraj Nursing Institute
20	Bhagya Laxmi Medical & Education Trust
21	Mother Teresa School of Nursing
22	Kshama General Nursing College
23	Mahavir School of Nursing
24	K. D. R. C. College of Nursing
25	Victoria School of Nursing
27	V. S. Hospital Nursing College
28	Mahatma Gandhi Nursing College
29	Saroj Lalji Malhotra Global Nursing College



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No	Details Of N.G.O. & Others
1	Sewa Training District
2	Sewa Youth
3	Akhand Jyot Foundation
4	Sath Charitable Trust
5	Dasha Shreemali
6	Elear Group
7	Mansi Mahilamandal
8	Kacchi Patel Seva Samaj Modasa

No	Details Of N.G.O. & Others
9	Sardar Patel Seva Samaj Ahmedabad
10	Max Life Insurance
11	Lok Swasthay Mandal
12	Caring Souls Foundation
13	Kovadi Ekdo Khadayata Samaj – Modasa
14	Aagakhan Health - Siddhapur
15	The Gujarat Sarvajanic Welfare Trust

Education & Awareness Exhibition Total Number of Visitors	
School Students, Colleges, NGO, Medical and Para Medical Students, Visitors of OPD Patients	8876
Total	8876

Total Health Check – Up		
Test	No. of Positive Cases	Total No. of Investigations
Mammography	85	3722
X-ray	3	5787
Pap Smear	1	3890
Sonography	26	5701
FNAC	0	0
Leukaemia	1	0
VIA (Visual Imagination with Acetic Acid)	34	1787

Exhibition Visitors	8876
Hospice Admitted Patients	259
Health Check Up	1656 (Male), 4154 (Female)
Urban	429



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Celebrations

June 14, 2016 - World Blood Donor Day



October 8, 2016 - Mahila Lok Darbar



Jan 7, 2017 - Uttarayan Celebration



Feb 13, 2017 - Drawing Competition



O. COMMUNITY OUT-REACH ACTIVITIES

Cancer Detection and Blood Donation Camps, Cancer Awareness Exhibition

The GCRI along with the Gujarat Cancer Society organises regular cancer detection camps and cancer awareness exhibition in various parts of the State.

Cancer Awareness Camps: 11 Camps 11 Places

St. Mary Nursing Home, Gomtipur, Ahmedabad (10/04/2016); Stelmec Limited, Sanand Road, Ulariya, Ahmedabad (31/05/2016); Universal Honda, Naroda, Ahmedabad (31/05/2016); Parle Elizabeth Tools Pvt Ltd, GIDC, Sanand (18/06/2016); Prakash High School, Bareja, Dascroi (27/07/2016); Division ArvindIntex, Gomtipur, Ahmedabad (01/10/2016); Gujarat High Court, Ahmedabad (19/11/2016); St. Xavier's Social Service Society, Navrangpura, Ahmedabad (11/12/2016); Royal Orchid Hotel, Vadodara (17/12/2016); Village-Satananes, Palitana, Bhavnagar (13/01/2017); Municipal Corporation School No. 26, Ambavadi, Ahmedabad (28/02/2017)

Cancer Detection Camps: 17 Camps 17 Places

Aisha Hospital, M.N. College, Visnagar, Mehsana (01/05/2016); Shree Vallabhacharyaji Trust Hospital, Maninagar, Ahmedabad (02/05/2016); Pruthu Clinic - 45, Lokjivan Society, Haripura, Near Maninagar, Ahmedabad (11/05/2016); Vejalpur Urban Health Center, Ahmedabad (22/05/2016); Ansuya Hospital, Daxini Society, Maninagar, Ahmedabad (13/06/2016); Urban Health Centre, Lambha Village, Ahmedabad (29/06/2016); Shree RamkrushnaVidhyalaya, Lakshminarayan Society, Maninagar (East), Ahmedabad (14/08/2016); Gyaspurbhatha, Municipal Primary School, Gyaspur, Ahmedabad (28/08/2016); Sachi Maternity Hospital, Gorno Kuvo, Maninagar, Ahmedabad (22/09/2016); Gheekanta Vishnu Mandir, Ahmedabad (25/09/2016); Olycab Wires Pvt. Ltd., Nani Daman, Daman (01/10/2016); Bharat Vikasparisad Vatva Physiotherapy Centre, Samratnagar, Ahmedabad (02/10/2016); Village-Satananes, Palitana, Bhavnagar (13/01/2017); Ansuya Hospital, Maninagar, Ahmedabad (10/02/2017); Kadi School, Sector-23, Gandhinagar (06/03/2017); Kadi School, Gandhinagar (15/03/2017); Composite Hospital CRPF, Group Centre Camp, Chiloda Road, Gandhinagar (16/03/2017)

Sanjeevani Rath Camps: 55 Camps 55 Places

Community Health Centre Mehmedabad (07/04/2016); Rai Moti Aarogya Mandir, Unjha, Mahesana (08/05/2016); Cottage Hospital Lunawada, Mahisagar (15/05/2016); Ramkrishna Mission Vivekananda Memorial, Swami Vivekananda Marg, Bhojeshwar Plot, Porbandar (05/06/2016); J.B. Vadera, Ashutosh Hospital, Mahuva Road, Savarkundla, Amreli (26/06/2016); ABKKP Sola Yuva Mandal, Umiya Campus, Sola, Ahmedabad (24/07/2016); General Hospital Morbi, Gandhi Chawk, Morbi (29/07/2016, 30/07/2016, 05/08/2016); Ghatlodiya Urban Health Centre, Ghatlodiya, Ahmedabad (06/08/2016); Viratnagar Urban Health Centre, Lilanagar, Ahmedabad (08/08/2016); Municipal School No.5 and 6 Shahpur Darwaja, Ahmedabad (11/08/2016); Community Health Centre, Jotana, Mehsana (15/08/2016); ECHS Polyclinic Type C, Opp. The Gateway Hotel Ummed, Ahmedabad (16/08/2016, 17/08/2016); Essar Oil Limited, Jamnagar (20/08/2016); Okha Highway, Vadinar (21/08/2016); Bapunagar Vidhya Mandir, Gujarati Municipal School No. 3 and 4, Bapunagar, Ahmedabad (24/08/2016); Gujarati Municipal School No. 3 and 4, Gomtipur, Ahmedabad (27/08/2016); Isanpur Gujarati School No.1 and 2 Ahmedabad (01/09/2016); Shree Pujit Rupani Memorial Trust, Bhavnagar Road, Rajkot (17/09/2016, 18/09/2016); M. S. School, Danilimda, Ahmedabad (24/09/2016); Gandhinagar Military Camp, Chiloda, Gandhinagar (30/09/2016); Civil Hospital Nadiad (07/10/2016); Community Oncology Centre, Vasna (09/10/2016); Shree Umiya Mataji Sansthan, Collector Office, Gandhinagar (12/10/2016);



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The National School, Sola Housing Complex, Naranpura, Ahmedabad (22/10/2016); ECHS Polyclinic Type C Near Airport Circle, Ahmedabad (02/12/2016, 03/12/2016); Geetapur Village, Detroj, Ahmedabad (16/12/2016); K. K. Patel High School, Kolavada Village, Gandhinagar (18/12/2016); Samjulaxmi Hospital, Nadiad (21/12/2016); Shree Kutch Kadva Patidar Sanatan Samaj, Joravarnagar, Surendranagar (25/12/2016); Saraswati Kanya Vidhyalaya, Dholka, Ahmedabad (01/01/2017); Shree N. C. Shah Vanik Vadi, Gowardhan Chawk, Dahod (08/01/2017); Sindhu Hospital, Maya Cinema Road, Kubernagar, Ahmedabad (22/01/2017); SBI Colony, Near Cricket Bunglow, Jamnagar & Jamkhambhaliya (24/01/2017 to 26/01/2017); Shree S. J. Patel Sarvajanic Hospital, Kalol, Gandhinagar (28/01/2017); Harsh Hospital, Himmatnagar (29/01/2017); Uvarsad, Gandhinagar (30/01/2017); Devdaya Diagnostic Centre, Bandhu Samaj Davashala, Wankaner (02/02/2017); APMC Market, Dessa, Banaskantha (04/02/2017); Samarpan Hospital, Gathamam Gate, Palanpur (12/02/2017); Goral Village, Idar, Arvall (14/02/2017); Sanjiv Hospital, Vadodara (15/02/2017); Government Hospital, Veraval (18/02/2017); G.H.C.L. Clinic, Sutrapada (19/02/2017); Indian Red Cross Society, Red Cross Bhavan, Dahod (26/02/2017); Blok No. 141/1, "ch"-Type, Sector-17, Gandhinagar (04/03/2017); Sahyog Vidyalaya, Viramgam Surendranagar Highway, Lakhtar, Surendranagar (05/03/2017); Bhagini Mitra Mandal, Sarvodaya Society, Palitana (19/03/2017); ICGS Gandhinagar, Sector-11, Udyog Bhavan, Gandhinagar (26/03/2017); Borij Government Primary School, Borij, Gandhinagar (27/03/2017)

Cancer Detection Camps with Siddhpur Sanjeevani Rath: 6 camps 6 places

Smt. Lilaben Chimanlal Parikh Cancer Centre, M.C.G. Civil Hospital Campus, Station Road, Navsari (03/04/2016); Modheshwari Matangi Devsthan Trust, Sardarnagar, Bhavnagar (17/04/2016); Zenith high School, Pratap Nagar, Dabhoi Road, Vadodara (17/04/2016); Community Health Centre Hadwad, Opp. Municipal Corporation Office, Hadwad, Morbi (29/07/2016, 30/07/2016); GMERS Medical College, Vadnagar (17/09/2016)

Blood Donation Camps: 92 Camps and 78 Places

Swaminarayn Mandir, Varachha, Surat (3/4/2016, 21/2/2017); S.B.I. Main Branch, Ahmedabad (13/4/2016); Sanskarbhavan Approach Road, Mehsana (10/4/2016); Pragati Charitable Trust, Behrampura, Ahmedabad (14/4/2016); Gachiram Chaudhari Bhavan, Shahibag, Ahmedabad (12/4/2016); Swaminarayan Mandir, Galudi, Surat (22/4/2016); P.J. High School, Odhav, Ahmedabad (17/04/2016); Tanishq Showroom, Maninagar, Ahmedabad (25/4/2016, 26/04/2016, 22/09/2016); Gir Somnath, Gam-Gadu (1/5/2016); Making a Different, Central Mall, Panchvati, Ahmedabad (8/5/2016); Skoda Showroom, Rajkot (18/5/2016, 18/10/2016); Nicky Hospital, Sector 29, Gandhinagar (5/6/2016, 4/9/2016, 5/3/2017); Gam-Nardi Nari Road, Bhavnagar (5/6/2016); GCRI, Ahmedabad (14/6/2016, 17/7/2016); Rajpath Club, Ahmedabad (12/6/2016); J. K. Laxmi Cement Plant, Moti Bhoyan, Ahmedabad (20/6/2016); Bhrm Kshatriya Society, Ellisbridge, Ahmedabad (24/6/2016); Adani Energies, Usmanpura, Ahmedabad (24/6/2016); Arham Flats, Jawahar Chowk, Ahmedabad (26/6/2016); Shrinath Flats, Ishanpur, Ahmedabad (26/6/2016); Radhe Complex, Gam-Shankheshwar, Patan (30/6/2016); Pran Shankar Hall, Kankariya, Ahmedabad (3/7/2016); Reliance Township, Jamnagar (6/7/2016); Air-port Authority of India, Ahmedabad (20/7/2016); Naranpura, Ahmedabad (17/7/2016); S. R. Mehta College, Ashram Road, Ahmedabad (28/7/2016); Gam-Umedpur, Idar, Sabarkantha (31/7/2017); Jainish Class, Ghatlodiya, Ahmedabad (7/8/2016); Daliya Institute of Technology, Gam-Kaner, Daskoi, Ahmedabad (9/8/2016); Nagri College, Ahmedabad (18/8/2016); IIM, Vastrapur, Ahmedabad (18/8/2016); Kunj Mall, Shukan Cross Road, Ahmedabad (15/8/2016); Viramgam (15/8/2016); Donblosun School,



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Krushnanagar, Ahmedabad (31/8/2016); Kapu Jems, Katargam, Surat (16/9/2016); Swaminarayan Mandir, Aslali, Ahmedabad (18/9/2016); Tanishq Show Room, C. G. Road, Ahmedabad (22/9/2016); Surayanarayan Society, Ghatlodiya, Ahmedabad (25/09/2016); Gam Gobraj Water City, Kheda (26/9/2016); Gam Hadiyala, Kheda (30/9/2016); 309-City Center, S. G. Highway, Sola, Ahmedabad (30/9/2016); Airtel Show Room, Ghodasar, Ahmedabad (9/10/2016); Umiya Mata Mandir Sec-12, Gandhinagar (12/10/2016); Kiran Jems, Katar Gam, Surat (16/10/2016); Gam Changodar S G Highway, Ahmedabad (23/10/2016); Aashapuri Mandir, Gam Kathlal, Ahmedabad (18/11/2016); Indian Navy, Jamnagar (20/11/2016); Bombay Market, Puna Gam, Surat (27/11/2016); Homeguard Ground, Bapunagar, Ahmedabad (4/12/2016); Arena Club House, Nana Chiloda, Ahmedabad (4/12/2016); HDFC Bank, Gh-0, Super Mall, Gandhinagar (9/12/2016); Sardar Patel Seva Samaj Navrangpura, Ahmedabad (15/12/2016); Satyamev Vista, Gota, Ahmedabad (18/12/2016); Modasa College, Arvalli (21/12/2016); Chankya School, Nikol, Ahmedabad (25/12/2016); Shreeji Baug Party Plot, Randheja Highway, Gandhinagar (1/1/2017); Nakoda Rajput Samaj, Ghatlodiya, Ahmedabad (8/1/2017); Kakariya Gate, Ahmedabad (7-8/01/2017); Mukhi Ni Vadi, Vatva, Ahmedabad (8/1/2017); Koteswar Gam Swaminarayan Mandir, Gandhinagar (17/1/2017,19/1/2017); Somnath Mandir, Meghaninagar, Ahmedabad (22/1/2017); CPI, SG Highway, Ahmedabad (26/1/2017)



P. FUNCTIONING OF COMMITTEES

Internal Management Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Dr. Dhaval Jetly	Member , Professor & Head Pathology
Dr. Prabhachai Patel	Member, Professor & Head, Cancer Biology
Dr. Pariseema Dave	Member, Professor, Gynaecological Oncology

Purchase Committee	
Dr. Rakesh Vyas	Incharge Director & Member Secretary
Mr. Kshitish Madanmohan	Member
Mr. Prashant Kinnariwala	Member
Mr. Divyesh Radia	Special Invitee
Mr. Kaushik D. Patel	Special Invitee
Mr. Narendrasinh Chavda	Special Invitee

GCRI Website Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Mr. Raju Parikh	Member, Secretary, Head Information Technology
Ms. Meena Bhatia	Coordinator, Officer on Special Duty, Human Resources
Dr. Dhruvi Desai	Member, RMO
Dr. Hemangini Vora	Member, Associate Professor, Cancer Biology
Dr. Pooja Nandvani Patel	Member, Associate Professor, Radiotherapy
Dr. Foram Patel	Member, Assistant Professor, Microbiology
Dr. Pariseema Dave	Member, Professor, Gynaecological Oncology
Mr. Ratnakar Shrotriya	Member, Medical Record Keeper, Information Technology
Mr. Dharmesh Panchal	Member, Chief Photographer, Photography
Mr. Jagdish Gohel	Member, Assistant Librarian, Library Information Services



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Library Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Dr. Asha Anand	Member, Professor & Head, Medical Oncology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. Dhaval Jetly	Member, Professor & Head, Pathology
Dr. Shilpa Patel	Member, Professor & Head, Gynaecological Oncology
Dr. Bipin Patel	Member, Professor & Head of Anaesthesiology
Dr. Prabhobhai Patel	Member, Professor & Head, Cancer Biology
Dr. Dhruvi Desai	Member, RMO
Dr. Trupti Trivedi	Member, Senior Scientific Officer, Cancer Biology
Ms. Nuri Kalita	Member Secretary, Librarian

GCS Research Journal Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Dr. Asha Anand	Editor, Professor & Head, Medical Oncology
Dr. Pariseema Dave	Editor, Professor, Gynaecological Oncology
Dr. Nandita Ghosh	Editor, Assistant Professor, Cancer Biology
Dr. Prabhobhai Patel	Associate Editor, Professor & Head, Cancer Biology
Dr. Nayan Jain	Associate Editor, Dean, Life Sciences, Gujarat University
Dr. U. Suryanarayana	Member, Professor & Head, Radiotherapy Department
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. Shashank Pandya	Member, Professor & Head, Surgical Oncology
Dr. Bipin Patel	Member, Professor & Head of Anaesthesiology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. Dhaval Jetly	Member, Professor & Head, Pathology
Dr. Hemangini Vora	Member, Associate Professor, Cancer Biology
Dr. Harsha Panchal	Member, Professor, Medical Oncology



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Govt. Scheme Implementation Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Dr. Dipak Rathod	Member, RMO Class - I
Dr. Dhruvi Desai	Member, RMO
Dr. Bhalchandra Pandya	Member, RMO
Ms. Shivani Rajput	Member, Financial Assistant, Account
Dr. Janmesh Shah	Member, Assistant Professor, Community Oncology
Mr. Himanshu Patel	Member, Medical Record Officer, Medical Records

ICS Cancer Cure Fund	
Dr. Rakesh Vyas	Chairman, Incharge Director
Dr. Janmesh Shah	Member, Assistant Professor, Community Oncology
Dr. Apurva Patel	Member, Professor, Medical Oncology
Dr. Dhruvi Desai	Member, RMO
Mr. Bhadrash Shah	Member, Accounts Officer, Account
Mr. Himanshu Patel	Member, Medical Record Officer, Medical Records

Patient Care Evaluation Committee	
Dr. Shashank Pandya	Member, Professor & Head, Surgical Oncology
Dr. Bhalchandra Pandya	Member, RMO
Mr. Rasmikant Magiawala	Member, Social Worker (GCS)
Ms. Mona Darji	Member, Matron Grade - I
Ms. Jayvanti Parmar	Member, Matron Grade - I



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NABL/NABH Accreditation Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Mr. Narendrasinh Chavda	Member Secretary, Hospital Administrator
Dr. Dhruvi Desai	Coordinator, NABH, R.M.O.
Dr. Biren Parikh	Co-ordinator (NABL), Assistant Professor, Pathology
Dr. Parijath Goswami	Member, Professor & Head, Microbiology
Dr. Dhaval Jetly	Member, Professor & Head, Pathology
Dr. Prabhabhai Patel	Member, Professor & Head, Cancer Biology
Dr. Pariseema Dave	Member, Professor, Gynaecological Oncology
Dr. Priti Trivedi	Member, Professor, Pathology
Dr. Hemangini Vora	Member, Associate Professor, Cancer Biology
Dr. Nandita Ghosh	Member, Assistant Professor, Cancer Biology
Dr. Rima Kusumgar	Member, Assistant Professor, Blood Bank
Dr. Asha Anand	Member, Professor & Head, Medical Oncology
Dr. Shashank Pandya	Member, Professor & Head, Surgical Oncology
Dr. Shilpa Patel	Member, Professor & Head, Gynaecological Oncology
Dr. Bipin Patel	Member, Professor & Head, Anaesthesiology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. U Suryanarayan	Member, Professor & Head, Radiotherapy
Dr. Bhavna Shah	Member, Professor, Anaesthesiology
Dr. Trupti Trivedi	Member, Senior Scientific Officer, Cancer Biology
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology
Dr. Jayendra Patel	Member, Senior Scientific Officer, Cancer Biology
Ms. Meera Voralia	Member, Store Officer, Store & Purchase
Mr. Mahesh Ahir	Member, Civil Engineer, Engineering and Maintenance
Mr. Sanjay Patel	Member, Electrical Engineer, Engineering and Maintenance
Ms. Mona Darji	Member, Matron Grade - I
Mr. Arvind Kotadia	Member, Chief Pharmacist cum Store Officer



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Fire Safety Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Dr. Dipak Rathod	Member, RMO Class - I
Dr. Bhalchandra Pandya	Member, RMO
Dr. Dhruvi Desai	Member, RMO
Dr. Jayendra Patel	Member, Senior Scientific Officer, Cancer Biology
Mr. Jayapal Nair	Member, PS to Director
Mr. Mahesh Ahir	Member, Civil Engineer, Engineering and Maintenance
Mr. Sanjay Patel	Member, Electrical Engineer, Engineering and Maintenance
Mr. Mehul Mecwan	Member, A/C Engineer, Engineering and Maintenance
Mr. Arpit B. Christian	Member, Assistant Staff Brother, Nursing Services

Disaster Management Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Dr. Bipin Patel	Member, Professor & Head, Anaesthesiology
Dr. Dhaval Jetly	Member, Professor & Head, Pathology
Dr. Shashank Pandya	Member, Professor & Head, Surgical Oncology
Ms. Mona Darji	Member, Matron Grade - I
Mr. Mahesh Ahir	Member, Civil Engineer, Engineering and Maintenance
Mr. Sanjay Patel	Member, Electrical Engineer, Engineering and Maintenance
Mr. Om Prakash	Member, Nuclear Health Physicist, Nuclear Medicine
Mr. Mehul Mecwan	Member, A/C Engineer, Engineering and Maintenance
Mr. Jayapal Nair	Member, PS to Director



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Women's Development Cell	
Dr. Meeta Mankad	Chairperson, Professor, Gynaec Oncology
Ms. Meena Bhatia	Secretary, Officer on Special Duty, Human Resource
Dr. Pooja Nandwani Patel	Member, Associate Professor, Radiotherapy
Dr. Kinna Shah	Member, Assistant Professor, Anesthesiology
Dr. Foram Patel	Member, Assistant Professor, Microbiology
Dr. Rima Kusumgar	Member, Assistant Professor, Blood Bank
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology
Ms. Mona Darji	Member, Matron Grade - I
Ms. Shivani Rajput	Member, Financial Assistant, Account
Ms. Meera Voralia	Member, Store Officer, Store & Purchase
Ms. Ketki Katheriya	Member, Bio Chemist, Blood Bank

SC / ST Cell	
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Dr. Dhruvi Desai	Member, RMO
Dr. Rekha Solanki	Member, Assistant Professor, Anesthesiology
Ms. Jayvanti Parmar	Member, Matron Grade - I
Ms. Manisha Katara	Member, Matron Grade – II
Mr. Vijaykumar S. Ninama	Member, Bio-Chemist, Blood Bank

Internal Complaints Committee	
Dr. Pariseema Dave	Chairperson, Professor, Gynaec Oncology
Dr. Geeta Joshi	C.E.O., COC Vasna
Dr. Hemangini Vora	Co-chairperson, Associate Professor, Cancer Biology
Ms. Meena Bhatia	Secretary, Officer on Special Duty, Human Resource
Mr. Narendrasinh Chavda	Member (Legal), Hospital Administrator
Dr. Himanshu Soni	Member, Associate Professor, Radiodiagnosis
Ms. Mona Darji	Member, Matron Grade - I
Ms. Pratima Desai	Member, NGO, Social Worker (External)



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Information Technology Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Mr. Haren Shah	Hon. External Information Technology Advisor (Invitee)
Mr. Narendrasinh Chavda	Member Secretary, Hospital Administrator
Mr. Raju Parikh	Member, Head, Information Technology
Ms. Shivani Rajput	Member, Financial Assistant, Account
Mr. Jaypal Nair	Member, PS to Director
Mr. Ratnakar Shrotriya	Member, Medical Record Keeper, Information Technology
Mr. Sunil Nambiar	Member, Outside Expert

Hospital Infection Control Committee	
Dr. Rakesh Vyas	Chairman, Incharge Director
Dr. Parijath Goswami	Member Secretary, Professor & Head, Microbiology
Dr. Bhavna Shah	Member, Professor, Anaesthesiology
Dr. Shashank Pandya	Member, Professor & Head, Surgical Oncology
Dr. Apurva Patel	Member, Professor, Medical Oncology
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. Jayshree Thakker	Member, Professor, Anaesthesiology

Committee to Review - Out Source Services	
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Dr. Dhruvi Desai	Member, RMO
Ms. Mona Darji	Member, Matron Grade - I
Ms. Meena Bhatia	Member, Officer on Special Duty, Human Resource
Ms. Shivani Rajput	Member, Financial Assistant, Account
Ms. Meera Voralia	Member, Store Officer, Store & Purchase
Dr. Sanskar Dave	Member, Assistant Hospital Administrator, Legal
Mr. Hitesh Bihola	Member, HR Officer, Human Resource



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Institutional Review Committee Dissertation/Thesis/Publication/Conference Presentation	
Dr. Rakesh Vyas	Chairman, Incharge Director
Dr. Harsha Panchal	Member Secretary, (Clinical-Dissertation & Thesis), Medical Oncology
Dr. Nandita Ghosh	Member Secretary, (Research-Dissertation & Thesis), Cancer Biology
Dr. Trupti Trivedi	Member Secretary, (Publication & Presentation), Cancer Biology
Mr. Narendrasinh Chavda	Member (Legal), Hospital Administrator
Mr. Kshitish Madanmohan	Member (NGO representative, Social Worker), Secretary GCS
Dr. Amar Vyas	Member, Department of PSM, BJMC
Dr. Hemant Shukla	Member, Professor, Surgical Oncology
Dr. Dhaval Jetly	Member, Professor & Head, Pathology
Dr. U. Suryanarayan	Member, Professor & Head, Radiotherapy
Dr. Pariseema Dave	Member, Professor, Gynaecological Oncology
Dr. Prabhachai Patel	Member, Professor & Head, Cancer Biology
Dr. Trupti Patel	Member, Associate Professor, Pathology
Dr. Himanshu Soni	Member, Associate Professor, Radiology
Dr. Priti Sanghvi	Member, Associate Professor, Pain & Palliative Medicine
Dr. Hemangini Vora	Member, Associate Professor, Cancer Biology
Dr. Foram Patel	Member, Assistant Professor, Microbiology
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology



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Scientific Research Committee	
Dr. Rakesh Vyas	Chairman, In charge Director
Dr. Asha Anand	Member Secretary, Professor & Head, Medical Oncology
Dr. Hemangini Vora	Assistant Member Secretary, Associate Professor, Cancer Biology
Dr. Sonia Parikh	Assistant Member Secretary, Associate Professor, Medical Oncology
Dr. Devendra Patel	Member, Former Director, Professor Emeritus
Dr. Pankaj Shah	Member, Vice President, GCS
Dr. Kirti Patel	Member, Dean, GCS Medical College
Dr. Shilin Shukla	Member, Former Director, Professor Emeritus
Dr. Geeta Joshi	Member, Former Dy. Director
Mr. Narendrasinh Chavda	Member, Hospital Administrator
Dr. Shashank Pandya	Member, Professor & Head, Surgical Oncology
Dr. Sandip Shah	Member, Associate Professor, Medical Oncology
Dr. Shilpa Patel	Member, Professor & Head, Gynaecological Oncology
Dr. Bipin Patel	Member, Professor & Head, Anaesthesiology
Dr. U. Suryanarayan	Member, Professor & Head, Radiotherapy
Dr. Dhaval Jetly	Member, Professor & Head, Pathology
Dr. Parijath Goswami	Member, Professor & Head, Microbiology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. Prabhahai Patel	Member, Professor & Head, Cancer Biology
Dr. Priti Trivedi	Member, Professor, Pathology
Dr. Saumil Desai	Member, Professor, Radiodiagnosis
Dr. Ava Desai	Member, Professor, Gynaecological Oncology
Dr. Bhavna Shah	Member, Professor, Anaesthesiology
Dr. Foram Patel	Member, Assistant Professor, Microbiology
Dr. Nandita Ghosh	Member, Assistant Professor, Cancer Biology
Dr. Trupti Trivedi	Member, Senior Scientific Officer, Cancer Biology
Dr. Jayendra Patel	Member, Senior Scientific Officer, Cancer Biology
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology
Dr. Pina Trivedi	Member, Senior Scientific Officer, Cancer Biology



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Ethics Committee	
Mr. Bankim N. Mehta	Chairman, Former Justice (Legal Expert)
Mr. Narayanbhai R. Patel	Vice Chairman, Senior Advocate (Legal Expert)
Dr. Shilin Shukla	Member Secretary, Former Director GCRI, Professor Emeritus
Mr. Kshitish Madanmohan	Member, Secretary GCS
Dr. Prabhabhai Patel	Assistant Member Secretary, Professor & Head, Cancer Biology
Dr. Pariseema Dave	Member, Professor, Gynecological Oncology
Dr. Ava Desai	Member, Professor, Gynecological Oncology
Dr. Bhavna Shah	Member, Professor, Anaesthesiology
Dr. Rakesh Dikshit	Member, Professor & Head, Pharmacology Dept., GCSMC
Dr. Amar Vyas	Member, Department of PSM, BJMC
Mr. Himanshu Patel	Member, Statistical Assistant
Ms. Bhagvati Patel	Member, Lay Person
Ms. Hansa Joshi	Member, Lay Person
Dr. Yashavant Joshi	Member, Philosopher
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology

Serious Adverse Event Committee (SAE) (A sub-committee of GCRI/GCS Ethics Committee)	
Dr. Rakesh Vyas	Member Secretary, Radiotherapist and In charge Director
Dr. Asha Anand	Member, Medical Oncologist
Dr. Sonia Parikh	Member, Medical Oncologist
Dr. Pariseema Dave	Member, Professor, Gynec Oncologist
Dr. Harsha Panchal	Member, Medical Oncologist
Dr. Pooja Patel	Member, Radiotherapist

Ethics Committee For Compensation (A sub-committee of GCRI/ GCS Ethics Committee)	
Mr. Narayanbhai R. Patel	Member Secretary, Senior Advocate
Mr. Kshitish Madanmohan	Member, Social Worker
Dr. Pariseema Dave	Member, Professor, Gynecological Oncology



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Institutional Committee for Stem Cell Research (IC-SCR)	
Dr. Kirti M. Patel	Chairman, Dean, GCSCMC
Dr. Apruva Patel	Member Secretary , Professor, Medical Oncology
Dr. Franky Shah	Assistant Member Secretary, Senior Scientific Officer, Cancer Biology
Dr. Sandip Shah	Member (Technical, Clinical)
Dr. Rakesh Rawal	External Member (Technical, Research)
Dr. Maitrey Gajjar	Member
Dr. Haresh Doshi	Member
Mr. Kshitish Madanmohan	Member (Ethics)
Dr. Amar Vyas	Member (Social)
Ms. Ilaben Vora	Member (Legal)

Annual Report Preparation Committee	
Dr. Rakesh Vyas	Incharge Director, GCRI
Dr. Hemangini Vora	Associate Professor, Cancer Biology
Dr. Trupti Trivedi	Senior Scientific Officer, Cancer Biology
Mr. Dharmesh Panchal	Chief Photographer, Photography
Mr. Rushi Patel	Photographer Cum Artist, Photography
Ms. Rujuta Patel	Photographer cum Darkroom Assistant, Photography
Mr. Mahendra Kumavat	Stenographer, Secretarial Services

Q. RESEARCH ACTIVITIES

Q1. Conference Presentation-National April 2016 - March 2017

No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Biochemistry Research				
1	Dr Prabhudas Patel	Nutraceuticals: Role in cancer prevention and treatment (Invited Speaker)	International Conference on Nutraceuticals and Chronic Diseases	September 9-11 2016, Cochin, Kerala
2		Glycosylation: A hallmark of cancer (Speaker)	Indian Association for Cancer Research-2017	February 9-11 2017, Thrissur, Kerala
3		Tobacco, sugar and gene mutations: The deadliest combination in oral cancer (Speaker)	UGC-Special Assistance Programme	12- 13 March 2017, Annamalai University, Tamilnadu
4		Biography of cancer: A life within life (Speaker)		
Cell Biology				
5	Dr Dharmesh Patel	Acute lymphoblastic leukemia with hyperdiploidy and philadelphia-poor or good prognostic indicator? (Poster)	Indian Association for Cancer Research-2017	9-11 Feb 2017, Amala Cancer Research Center, Thrissur, Kerala
Gynaecological Oncology				
6	Dr Pariseema Dave	Fertility preservation in gynaecological cancers (Panelist)	25th Annual Conference of Association of Gynecological Oncologists of India-AGIOCON-2016	3-4 Dec 2016, Delhi
7	Dr Ava Desai	Pregnancy associated breast and cervical cancer (Guest Lecture)	ADVANCES 2016	13-14 Aug 2016, Trivandrum
8		Practical value of tumor markers in a day to day practice (Guest Lecture)		
9	Dr Anusha Kamath	Individualized treatment of incompletely staged ovarian cancer (Speaker)	25 th Annual Conference of Association of Gynecological Oncologists of India-AGIOCON-2016	3-4 Dec 2016, Delhi
10	Dr Geetu Bhandoria	Surgical Apgar score: Validation in a regional cancer centre (Speaker)		
11	Dr Mangirish Konkere	Paget Schroetters Syndrome in a case of ovarian germ cell tumor (Poster)		



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No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Medicinal Chemistry & Pharmacogenomics				
12	Ms Kanisha Shah	Molecular Transitions in liver: Genesis, Carcinogenesis to Metastasis (Poster)	Indian Association for Cancer Research-2017	9-11 Feb 2017, Amala Cancer Research Center, Thrissur, Kerala
13	Ms Sheefa Mirza	Circulating cancer Associated fibroblasts and circulating tumor stem cells: Thwe symbiotic siblings and potential drug targets (Poster)		
14	Ms Vinal Upadhyay	Liquid biopsy in brain tumors: The next generation source for cancer diagnosis, treatment monitoring and drug discovery (Poster)		
Medical Oncology				
15	Dr Rahul Kulkarni	A retrospective study of Transplant related Mortality in patients undergoing Bone marrow Transplantation at GCRI, Ahmedabad: Extracting positive from negative (Poster)	Haematocon 2016	10-13 Nov 2016, Jaipur,
16	Dr Reshma Puranik	Carcinoma of ovary presenting as isolated inguinal lymph node metastasis (Poster)	Indian Society of Medical & Pediatric Oncology Conference-ISMPOCON 2016	5-6 Nov 2016, New Delhi
Pain & Palliative Medicine				
17	Dr Geeta Joshi	Evidence base practice in pain management (Invited Speaker)	Indian Society for Study of Pain Conference-ISSPCON 2017	4 Feb 2017, Jaipur
18		RCC model of palliative care (Panelist)		
19		International pain management in head and neck cancer (Invited Speaker)	Indo-Global Summit on Head and Neck Oncology-IGSHNO-2017	21 Feb 2017, Jaipur
20	Ms Neeta Bhavsar	Nursing care in home bound patients of GCRI home care services (Poster)		
21	Ms Revathi BG	Role of staff nurse for lymphoedema care in postoperative mastectomy patients (Poster)		



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No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
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Pathology				
22	Dr Swati Girdher	Screening of Pap smear in woman of endometrial carcinoma of uterus (Oral)	International CME on Histopathology and Cytopathology	2-4 Feb 2017, Goa

Surgical Oncology				
23	Dr Ashish Shah	Eyelids Gateways to Beautiful Eyes-Invited Speaker	Ahmedabad Ophthalmology Society Conference	Mount Abu
24		Daemyocytectomy-Walk in-Walk out procedure-Invited Speaker		

Conference Presentation-State April 2016 - March 2017

No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
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Anaesthesiology				
1	Dr Drishti Dave	Comparative study of oral Gabapentin & analgesic consumption in pts undergoing MRM (Oral)	Indian Society of Anaesthesiologist of Gujarat Conference-ISACON-2016	23-25 2016, Bhavnagar
2		Premedication with intravenous Dexmedetomidine for suppression of fentanyl induce cough		
3	Dr Keval Patel	Comparison of efficacy of Labetalol & Fentanyl v/s Fentanyl alone for attenuation of hemodynamic response to intubation & small pin insertion in neuro surgery		
4	Dr Krupa Kalaria	Comparative study of Dexmedetomidine HCl versus placebo as procedural sedation for percutaneous tracheotomy		
5	Dr Vidhi Kantaria	Comparison of study of 3 different OT table height for intubation in trainees –an ergonomic view		



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Biochemistry Research				
6	Dr Prabhudas Patel	Recent advances in cancer research-Guest Lecture	Short-term training Programme for faculty members	4-16 July 2016, Nirma Institute of Pharmacy, Ahmedabad
7		Role of cytogenetics and molecular events in management of CML patients-Invited Speaker	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
8	Ms Sabrina Pathan	Clinical significance of FLT3-ITD and D835 mutations in acute myeloid leukemia patients (Poster)	National Symposium on Current Research in Cancer Biology & Therapy	7-8 Oct 2016, Puri Foundation, Gandhinagar
9	Ms Kruti Mehta	Tobacco: Its impact on human health and mortality (Poster)		
10	Ms Bhoomi Tarapara	Evaluation of circulatory 25-hydroxyvitamin D and genetic alteration of vitamin D signaling pathway in breast cancer (Poster)		
11	Ms Riddhi Gokani	Isolation and identification of phytochemicals from important medicinal plants and study it's anticancerous activity (Poster)		
12	Ms Kinjal R Patel	p53 mutation spectrum and its role in prognosis of oral cancer patients: A study from Gujarat, West India (Poster)		
13		Molecular pathogenesis of oral cancer (Poster)	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
14	Ms Shruti Patel	Clinical significance of interactions between Vitamin-D and related molecular pathways in Breast Cancer (Poster)		
15	Ms Riddhi Gokani	Assessment of salivary LDH activity in squamous cell carcinoma of oral cancer (Poster)		
16	Ms Kruti Mehta	Molecular epidemiology of oral cancer (Poster)		
17	Ms Shruti Patel	Clinical significance of interactions between Vitamin-D and related molecular pathways in breast cancer (PhD thesis Presentation)	Best Thesis Award Competition Presentation, Gujarat Science Academy	21 Jan 2017, Gujarat University



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18	Kinjal D Patel	Molecular signature of cancer and their clinical significance (PhD thesis Presentation)	Best Thesis Award Competition Presentation, Gujarat Science Academy	21Jan 2017, Gujarat University
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Cell Biology

19	Dr Dharmesh Patel	Cytogenetic heterogeneity at disease presentation in acute lymphoblastic leukemia (Poster)	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
20	Ms Priya Varma	A novel case of centric transverse fusion in AML-M2 with sole t(3;21)(q10;q22) (Poster)		
21	Ms Dhara Bhimani	Monosomy 7 in myeloid malignancies (Poster)		
22	Ms Priya Varma	Diagnostic usefulness of ALK rearrangements in NSCLC patients by FISH study: GCRI experience (Poster)	Ramanbhai Foundation 8 th International Symposium on Current Trends in Healthcare	2-4 Feb 2017, Ahmedabad
23	Ms Dhara Bhimani	Evaluation of Her-2 neu gene by fluorescence in situ hybridization in breast cancer patients (Poster)		
24	Ms Dhruva Brahmbhatt	A molecular assessment of hypoxia and inflammatory markers in breast cancer (Poster)		

Gynaecological Oncology

25	Dr Shilpa Patel	Cervical cancer screening –What's new?-Invited Speaker	All India Congress of Obstetrics & Gynaecology- AICOG 2017	25 Jan 2017, Ahmedabad
26		Abnormal Colposcopy-Panelist		
27	Dr Pariseema Dave	Abnormal colposcopy & provisional diagnostics-Invited Speaker	UGC-Special Assistance Programme	12- 13 March 2017, Annamalai University, Tamilnadu
28	Dr Ava Desai	Intraperitoneal Vs intravenous chemotherapy in the symposium on ovarian cancer	Seminar in Oncology	21 Aug 2016, Ahmedabad
29		Recent Guidelines for Screening Guest Lecture	State Organization of Societies of Obstetricians and Gynecologists of Gujarat-SOGOG-2017	14 Oct 2016, Surat
30		Rationale for long loop excision of transformation zone Vs Crotherapy-Guest Lecture		



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31	Dr Meeta Mankad	Normal colposcopy and Volvoscopy-Guest Lecture	State Organization of Societies of Obstetricians and Gynecologists of Gujarat-SOGOG-2017	14 Oct 2016, Surat
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Immunohistochemistry & Flow Cytometry

32	Dr Shalvi Mehta	Poster presentation-A study of Ikaros protein and mRNA expression in B-ALL	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
33	Dr Birva Brahmhatt	Poster presentation- Investigation of minimal residual disease in Splenic marginal zone lymphoma		
34	Devashish Mehta	Role of immune cells in Triple Negative Breast Cancer		

Medicinal Chemistry & Pharmacogenomics

35	Dr Rakesh Rawal	Liquid Bx: The Next Gen Source for cancer diagnosis, treatment, monitoring and drug discovery	National Symposium on Current Research in Cancer Biology & Therapy	7-8 Oct 2016, Puri Foundation, Gandhinagar
36		Role of NGS in pharmacogenomic analysis of solid tumours	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
37		In silico and in vitro screening of anti cancer drugs		24-25 Jan 2017, Ahmedabad
38	Dr Apexa Raval	Hepatocyte growth factor gene expression in human breast cancer-A preliminary study (Poster)		21-22 Jan 2017, Ahmedabad
39	Ms Urja Desai	Therapeutic monitoring of Ara-C Metabolism in AML (Poster)	Ramanbhai Foundation 8th International Symposium on Current Trends in Healthcare	2-4 Feb 2017 Ahmedabad
40		Drug resistance and metabolism of Ara-C in acute myeloid leukemia: in-silico & in-Vitro approach (Poster)		
41	Dr Saymya Patel	Exploring marine flora as source of anti cancer drug leads by in-silico and in-vitro approach: a study on various solid tumor cell lines (Poster)		
42		Deciphering the role of Organic Cation Transporter-1 (OCT-1) gene for Imatinib resistance in Chronic Myeloid Leukemia -(Poster)	Next Gen Genomics, Biology, Bioinformatics and Technologies (NGBT) Conference	3-5 Oct 2016,



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43	Dr Saymya Patel	Exploring the molecular mechanism of drug in flux transporter with resistant to tyrosine kinase inhibitors (TKIs) in chronic myeloid leukemia (Poster)	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
44	Ms Mansi Bhavsar	Liquid biopsy: The next generation source for molecular diagnosis of solid tumors (Poster)		
45	Ms Jigna Dave	X-ray repair cross complementing protein 4 (XRCC4) as an independent prognosticator in patients with oral squamous cell carcinoma (Poster)		
46		Mediator of DNA damage checkpoint protein 1 (MDC1) as a prognosticator for patients with oral squamous cell carcinoma (Poster)	Ramanbhai Foundation 8th International Symposium on Current Trends in Healthcare	2-4 Feb 2017, Ahmedabad
47	Ms Kinjal Bhadresha	Role of AXL in metastasis: A review (Poster)		
48	Ms Kavan Shah	Circulating tumor stem like cells in oral squamous cell carcinoma: an unresolved paradox (Poster)		
49	Ms Bansari Modi, Ms Dimple Makwana, Ms Neha Varlekar	Cancer stem cells: New approach for isolation, Characterization and Target (Poster)		
50	Ms Shanaya Patel	Insights into Genetic and Epigenetic Landscape of Cancer Stem Cells in Oral Cancer (Oral)	National Symposium on Current Research in Cancer Biology & Therapy	7-8 Oct 2016, Puri Foundation, Gandhinagar

Medical Oncology

51	Dr Harsha Panchal	Cancer: Principles of management: - Chemotherapy for common cancers	CME of Medical Oncology	17 Sep 2016, B.J. Medical Collage, Ahmedabad.
52	Dr Sonia Parikh	Acute Leukemia		
53	Dr Ekta Vala	Febrile neutropenia in hematological malignancies: Clinical and microbiological profile and outcome-Can we predict the organism and its sensitivity to antibiotics (Oral)	Gujarat Indian Medical Association-GIMACON 2016	15-16 Oct 2016, Rajkot



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54	Dr Satyam Satyrath	Isolated renal fossa recurrence in epithelial ovarian carcinoma; a case report (Poster)	Gujarat Indian Medical Association-GIMACON 2016	15-16 Oct 2016, Rajkot
55	Dr Satyam Satyrath	Study of spectrum of malignancies in HIV positive patients: Experience at a regional cancer center (Oral)		
56	Dr Rakesh Patil	Study of efficacy of single dose Rasburi in patients with tumor lysis syndrome (Oral)		
57	Dr Priyanka Patel	AML with Bombay blood group (Poster)	Association of Physicians of Gujarat Conference-APGCON 2017	16-18 Dec 2016, Surat
58	Dr Rahul Kulkarni	A retrospective analysis of induction outcome of Acute Promyelocytic Leukemia (APML) at GCRI: A stitch in time saves Nine!! (Oral)	Conference-APGCON 2017	
59	Dr Lalchand Mittal	Primary angiosarcoma of breast: A rare case report (Poster)	Joint International Conference-JIC 2017	6-8 Jan 2017, Ahmedabad
60	Dr Murtuza Bohra	Carcinoma of stomach presenting as breast metastasis, malignant pleural effusion and dermatoses: A rare report (Poster)		
61	Dr Salil Patkar	Sweet's Syndrome in A case Of AML (Poster)		
62	Dr Tushar Mule	Chodrosarcoma with malignant ascites: A rare case report (Poster)		
63	Dr Nahush Tehlani	Study of second generation TKI (Pazopanib) in metastatic RCC: Experience from tertiary care centre carcinomas (Oral)	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
64	Dr Pushpak Chirmade	Effect of Hyperthermic Intrathoracic chemotherapy (HITHOC) in malignant pleural effusion (Oral)	Hyperthermia 2017	18-19 Feb 2017, Gandhinagar

Molecular Endocrinology

65	Dr Toral Kobawala	Relevance of Interleukin-6 and the Suppressor of Cytokine Signalling-3 in Thyroid Carcinogenesis (Poster)	National Symposium on Current Research in Cancer Biology & Therapy	7-8 Oct 2016, Puri Foundation, Gandhinagar
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66	Dr Toral Kobawala	Interleukins: Player in deciphering Thyroid Carcinoma (Poster)	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad
67	Kinjal Gajjar	Liquid biopsy in brain tumors: The next generation source for cancer diagnosis, treatment monitoring and drug discovery (Poster)	National Symposium on Current Research in Cancer Biology & Therapy	7-8 Oct 2016, Puri Foundation, Gandhinagar
68	Mahnaz Kazi	Clinical Implication of Wnt Signaling Molecules in Breast Cancer (Poster)		
69		Wnt/ β -catenin pathway is upregulated in Invasive Ductal Carcinoma pertaining to molecular subtypes (Poster)	2 nd Medical Oncology Society Conference-MOSCON-2016	21-22 Jan 2017, Ahmedabad

Palliative Medicine

70	Dr Geeta Joshi	Integration of palliative care and holistic care-Invited Speaker	CME by Indian Medical Association-IMA	05 May 2016, Surat
71	Dr Priti Sanghavi	How to prescribe morphine-Speaker		

Pathology

72	Dr Nisha Khanna	Neuroendocrine carcinoma of urinary bladder: Pathological aspect of rare clinical entity (Poster)	Ramanbhai Foundation 8th International Symposium on Current Trends in Healthcare	2-4 Feb 2017, Ahmedabad
73	Dr Abhishek Kumar	Adenoidcystic carcinoma of prostate-A rare case report (Poster)		9-11 Feb 2017, Thrissur, Kerala
74	Dr Siddharth Thummer	Natural killer cell leukemia, aggressive type-A case report (Poster)	Adrenalin Medical Conference-AMCON-17	10-12 March 2017, Ahmedabad
75	Dr Priya Patel	Genital Amoebiasis Diagnosed on PAP smear (Poster)		

Surgical Oncology

76	Dr Abhishek Salunke	Interactive Oncology Session (Invited Speaker)	35 th Gujarat Orthopedic Association Conference (GOACON 2017)	3-5 Feb, 2017 Jamnagar
77	Dr Jaimin Shah			



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Q2. Publications April 2016 - March 2017

Anaesthesiology	
1	Rekha Solanki, Bijal Shah, Bipin Patel, Nilesh Goswami: Presumptive use of Ketamine in postoperative pain in Breast Cancer Surgery. GCSMCJ Med Sci, 2016,5:34-36.
2	Rekha Solanki, Jayshree Thakkar, Bipin Patel, Arun Chauhan, Anupama Kumari, Gaurav Malaviya: Comparative study of epidural fentanyl alone & fentanyl citrate with magnesium sulphate for postoperative analgesia. Ind J Anesthesia & Analgesia, 2016, 157-161.
3	Rekha Solanki, Nita Gosai, Bhavin Patel, Ravi Umarania Patel: Effects of premedication of inj. Dexmedetomidine HCL on hemodynamic stress response due to laryngoscopy and intubation in patients undergoing Craniotomy. Asian Archives of Anesthesiology & Resuscitation, 2016, 82: 2497-2504.
4	Dipika Patel, Amita Jansari, Surekha Shaboo: Studying the effects of IV mgnesium sulphate & fentanyl citrate on circulatory changes during anesthesia surgery. Int Journal of Scientific Research, 2016, 5.
5	Tanmay Tank, Nita Gosai Patel: To evaluate role of Gabapentin as a preemptive analgesic in patients undergoing MRM. Ind J Clinical Anesthesia, 2016, 3; 497-501.
6	Nita Gosai, Bijal Shah, Bipin Patel: Comparative study of efficacy of combination of Palonosetron HCl and Dexamethasone sodium phosphate versus Dexamethasone sodium phosphate alone for post operative nausea & vomiting after MRM. Indian journal of Clinical Anesthesia, 4: 160-164.
7	Damini Makwana, Bipin Patel, Neeren Parmar, Kashmira Prem, Suresh Kumar: Discharge criteria and complications after day care surgery. Asian Pac. J. Health Sci, 2016, 3:82-86.
8	Madhuri Bhade, Jenish Patel, Bipin Patel: Comparative evaluation of subclavian vein catheterization using supraclavicular versus infraclavicular approach-IJCA. 2017, 4: 26-29.
9	Kinna Shah, Bipin Patel: Comparision of a single syringe mixture of Ketamine & Propofol as an anesthetic agent in direct laryngeal biopsy procedure. Indoamerican J Pharmaceutical Research. 2016, 6: 6808-6813.
10	Kinna shah, Leena Patel, Bipin Patel: Rapid effect of 0.5% Bupivacaine scalp pin and Preincisional infiltration with hemodynamic response in craniotomy. European J Pharmaceutical Medical Research. 2016, 3; 412-417.
11	Kinna Shah, Bipin Patel: Impact of IV Lidocaine hydrochloride infusion in perioperative anaesthetic consumption and post operative analgesia. Indoramerian J Pharmaceutical Research. 2016, 6: 6437.
Biochemistry Research	
12	Bhairavi Vajaria, Kinjal R. Patel, Rasheedunnisa Begum, Franky Shah, Jayendra Patel, Geeta Joshi, Prabhudas Patel: Correlation between loss of E-cadherin, Matrix-metalloproteinases and c-Jun expression in oral carcinogenesis. American J Oral Med, 2016, 1-24.
13	Hunayna Bhavnagari, Kinjal D. Patel, Prabhudas Patel, Franky Shah: Expression of RAR β gene in invasive ductal carcinoma of breast cancer. GCS Res J, 2016, 14-18.
14	Dhara Bhimani, Kinjal R. Patel, Jayendrakumar Patel, Prabhudas Patel: Significance of salivary glutathione-S-transferase and glutathione reductase enzymes in oral cancer. GCS Res J. 2016, 19-26.
15	Bhairavi Vajaria, Kinjal R. Patel, Rasheedunissa Begum, Prabhudas Patel: Sialylation: An avenue to target cancer cells. Pathol Oncol Res J, 2016, 22: 443-447.
16	Bhairavi Vajaria, Prabhudas Patel: Glycosylation: A hallmark of cancer. Glycoconjugate J, 2016, 34: 147-156.



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17	Bhairavi Vajaria, Prabhudas Patel: Book chapter: Oral cancer. Molecular events in tobacco related cancers. 2016, 2-24.
18	Prabhudas Patel, Hemangini Vora, Biren Shah, Jayendra Patel, Kruti Rajvik, Shashank Pandya, Shilin Shukla and 69 authors from various countries: Immunoscore as a prognostic marker in stage I-III colon cancer result of a SITC led global validation study. J Immuno-Therapy of Cancer 2016, 91: 239 (Abstract).

Cell Biology

19	Manisha Brahmabhatt, Pina Trivedi, Prabhudas Patel: Highly complex chromosomal rearrangements in patients with chronic myeloid leukemia: An Indian experience. J Clin Exp Oncol 2015; 4:4.
20	Pina Trivedi, Dharmesh Patel, Manisha Brahmabhatt, Prabhudas Patel: Characterization of complex chromosomal rearrangements in acute myeloid leukemia: fish and multicolor fish add precision in defining abnormalities associated with poor prognosis. J Blood Res Hematol Dis 2016; 1:2.
21	Hiral Patel, Manisha Brahmabhatt, Pina Trivedi, Dharmesh Patel, Ankita Sugandhi, Aanal Mehta, Binita Patel, Prabhudas Patel: CML in chronic phase with novel secondary cytogenetic abnormalities: A case report. J Assoc Genet Technol, 2016, 42: 57-59.

Gynaecological Oncology

22	Pabashi Poddar, Pariseema Dave, Meeta Mankad, Shilpa Patel, Ava Desai, Bijal Patel, Anusha Kamath: Endometrioid endometrial cancer: Concordance between preoperative and final surgical histopathology. Ind J Gynec Oncol, 2017, 15: 2.
23	Rajnish Tiwari, Pariseema Dave, Meeta Mankad, Jahanvi Gandhi: Post radiotherapy pelvic sarcoma following carcinoma endometrium treatment. Ind J Gynec Oncol, 2016, 14: 24.
24	Anusha Kamath, Meeta Mankad, Pariseema Dave, Shilpa Patel, Ava Desai, Ruchi Arora: Endometrial carcinoma in young women: Single center experience. Ind J Gynec Oncol, 2016, 14: 49.
25	Pariseema Dave, Bijal Patel, Heena Chawla, Meeta Mankad: The impact of obesity on surgery in gynaecological oncology: Our experience. GCS Res J, 2016, 18: 14-18.
26	Santosh Dora, Pariseema Dave, Meeta Mankad, Anusha Kamath: A case of metachronous colon cancer developing after a primary granulosa cell tumor of ovary. The New Indian Journal of OBGYN, 2017, 3: 121-123.
27	Anusha Kamath: Window of lost opportunities: Time to consider a mandatory cervical cancer screening protocol? Ind J Obstetrics and Gynaecol Res, 2016, 3:73-74.
28	Rashmi Kumari, Ava Desai, Bijal Patel, Chetna Parekh, Shilpa Patel, Meeta Mankad: Neo-adjuvant therapy in locally advanced vulvar cancer. Ind J Gynecol Oncol, 2016, 14: 37.
29	Chetna Parekh, Ava Desai, Shilpa Patel, Bijal Patel, Hitesh Rajpura: Uncontrolled hypothyroidism and ovarian tumors: Cases and review of literature. GCS Res J, 2016, 18:26-30.

Immunohistochemistry & Flow Cytometry

30	Atiya Saiyad, Birva Raiya, Hemangini Vora: A study of Immune dysfunction in patients with Breast carcinoma. GCS Research J, 2016, 18: 6-13.
31	Dhruv Nimavat, Darshita Patel, Shalvi Mehta, Hemangini Vora: Evaluation of Ikaros protein expression and IKZF1 mRNA transcripts in B cell Acute Lymphoblastic Leukemia. GCS Res J (In press).



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Medicinal Chemistry & Pharmacogenomics	
32	Aditi Daga, Afzal Ansari, Mahimn Pandya, Kanisha Shah, Shanaya Patel, Rakesh Rawal, Valentina Umrana: Significant role of segmental duplications and sidd sites in chromosomal translocations of hematological malignancies: A multi-parametric bioinformatic analysis. <i>Interdiscip Sci</i> , 2016, (In press).
33	Shanaya Patel, Kavan Shah, Sheefa Mirza, Kanisha Shah, Rakesh Rawal: Circulating tumor stem like cells in oral squamous cell carcinoma: An unresolved paradox. <i>Oral Oncol</i> , 2016, 62: 139-146.
34	Sheefa Mirza, Aakansha Vasaiya, Hemangini Vora, Nayan Jain, Rakesh Rawal: Curcumin targets circulating cancer stem cells by inhibiting self-renewal efficacy in non-small cell lung carcinoma. <i>Anticancer Agents Med Chem</i> , 2017, 17: 859-864.
35	Shanaya Patel, Rakesh Rawal: Role of miRNA dynamics and cytokine profile in governing CD44v6/Nanog/PTEN axis in oral cancer: Modulating the master regulators. <i>Tumour Biol</i> , 2016, 37:14565-14575.
36	Krupa Shah, Sonia Parikh, Rakesh Rawal: Tyrosine kinase inhibitors in Ph+ chronic myeloid leukemia therapy: A review. <i>Asian Pac J Cancer Prev</i> , 2016, 17: 3025-3033.
37	Shanaya Patel, Faraz Shaikh, Vinod Devaraji, Ashish Radadiya, Kanisha Shah, Anamik Shah, Rakesh Rawal: Insights into the structural perturbations of spliced variants of CD44: A modeling and simulation approach. <i>Biomol Struct Dyn</i> , 2017, 35: 54-67.
38	Kanisha Shah, Sheefa Mirza, Shanaya Patel, Rakesh Rawal: Circulating tumor cells (CTCs) or cncer stem cells (CSCs): The unresolved paradox as drivers of metastasis. <i>GCS Res J</i> , 18: 2016.
39	Sheefa Mirza, Kanisha Shah, Harsha Panchal, Nayan Jain, Rakesh Rawal: Autologous Serum as Growth Factor Substitute for Isolation and Characterization of Lung Cancer Stem Cells: An in-vitro Approach. <i>GCS Res J</i> , 18: 2016.
40	Sheefa Mirza, Nayan Jain and Rakesh Rawal: Evidence for circulating cancer stem like cells and epithelial mesenchymal transition phenotype in the pleurospheres derieved from lung adenocarcinoma using liquid biopsy. <i>Tumour Biol</i> , 2017, 39: DOI: 10.1177/1010428317695915.
41	Kanisha Shah, Shanaya Patel, Sheefa Mirza, Apexa Raval, Rakesh Rawal: Data mining and manual curation of published microarray datasets to establish a multi-gene panel for prediction of liver metastasis., 2017, 11: 26-35.
42	Apexa Raval, Sunil Trivedi: Breast cancer: Role of IGF-1 and IGFBP-3 expression in prognostication. <i>Ind J Experimental Biology</i> , 2016, 54: 619-629.
43	Shanaya Patel, Rakesh Rawal: Role of miRNA dynamics in governing stem cell properties CD44v6/Nanog/PTEN axis in head and neck cancer: Modulating the Master Regulators, <i>Cancer Res</i> , 2016, 76 (Abstract).
Medical Oncology	
44	Harsha Panchal, Jayshree Thakkar: End of life care in oncology critical care unit: Many questions, few answers. <i>GCS Res J</i> , 2016, 18:
45	Harsha Panchal: Deciphering the Rosetta stone of aspirin chemoprevention. <i>Adv Cancer Prev</i> , 2016, 1: 119.
46	Sonia Parikh, Asha Anand, Harsha Panchal, Apurva Patel, Sandip Shah, Kalpesh Prajapati, Gaurang Modi, Nitin Joshi: A retrospective study of clinical profile and long term outcome to imatinibmesylate alone in childhood chronic myeloid leukemia in chronic phase. <i>Gulf J Oncol</i> , 2017, 23:15-20.
47	Irappa Madabhavi, Apurva Patel, Asha Anand, Harsha Panchal, Sonia Parikh: Central retinal artery occlusion, an early sign of crizotinib resistance in an alk positive adenocarcinoma of lung: A rare case report. <i>Clin Respir J</i> , 2016, DOI: 10.1111/crj.12550.



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48	Itesh Khatwani, Harsha Panchal, Asha Anand, Sonia Parikh, Avinash Talele, Kshitij Joshi, Preetam Kalaskar, Sandeep Kukkar, Alpesh Kikani, Gautam Makadia, EktaVala: Oral metronomic therapy in metastatic triple negative breast cancer (TNBC). South Asian Cancer J, 2016, 5: 37-44.
49	Preetam Kalaskar, Asha Anand, Harsha Panchal, Apurva Patel, Sandip Shah: Vertebral metastases rare phenomenon in carcinoma gall bladder. GCS Res J, 2016, 18: 36-37.
50	Alpeshkumar Kikani, Mitul Modi, Harsha Panchal, Priti Trivedi, Nirmal Lakum, Sonia Parikh, Gautam Makadia: Monoblastic sarcoma/myeloid sarcoma of paraspinal region presenting as acute paraparesis in aleukemic patient- A rare Case report from western India. GCS Res J, 2016, 18: 38-40.
51	Sandeep Kukkar, Harsha Panchal, Asha Anand, Apurva Patel, Sonia Parikh, Sandeep Shah: Efficacy of single-dose Rasburicase in the management of tumor lysis syndrome: a case series from a regional cancer center in western India. J Appl Hematol, 2016, 7:136-140.
52	Rahul Kulkarni, Asha Anand, Sonia Parikh, Apurva Patel: Pre-B acute lymphoblastic leukemia masquerading as breast carcinoma: A rare case report. Clin Cancer Invest J, 2016, 5: 544-547.
53	Rahul Kulkarni, Asha Anand, Apurva Patel, Sandip Shah, Harsha Panchal, Sonia Parikh: A leukemic granulocytic sarcoma and leukemia cutis: A report of two rare cases and review of literature. J Appl Hematol, 2016, 7:70-75.
54	Rahul Kulkarni, Asha Anand, Apurva Patel, Sandip Shah: Hepatocellular carcinoma presenting as rapidly growing sternal mass: an unusual presentation. J Cancer Metastasis Treat, 2016, 2: 41-43.
55	Gautam Makadia, Sonia Parikh, Harsha Panchal, Apurva Patel, Sandip Shah, Pritam Kalaskar: Successful management of Vincristine induced unilateral ptosis in adult. GCS Res J, 2016, 18: 39-40.
56	Dhruv Mehta, Asha Anand, Avinash Talele, Sonia Parikh, Sandip Shah, Apurva Patel, Harsha Panchal: Solitary breast tumor, leptomeningeal carcinomatosis and bone metastasis: A rare presentation of metastatic ovarian carcinoma. GCS Res J, 2016, 18: 29-32.
57	Pritam Jain, Harsha Panchal, Asha Anand, Apurva Patel, Sonia Parikh, Kamlesh Shah, Kalpesh Prajapati, Gaurang Modi, Sandip Shah: Outcome of acquired aplastic anemia treated with indigenous equine thymocyte globulin (Thymogam) along with cyclosporine at Gujarat Cancer and Research Institute-A regional Centre experience. Ind J Hematology and Blood Transfusion. 2016, 32: S373-S492.
58	Avinash Talele, Asha Anand, Apurva Patel, Harsha Panchal, Sandip Shah, Sonia Parikh, Mukesh Chaoudhary, Preetam Kalaskar, Rahul Kulkarni: Isolated CNS blast crisis in chronic myelogenous leukemia. GCS Res J, 2016, 18: 36-38.

Microbiology

59	Parijat Goswami, Apoorva Patel: Prevalence of systemic fungal infection in oncology patients by Serodiagnosis at a cancer centre in Gujarat. Pathology & Laboratory Medicine, 2016, 8: 6-8.
60	Foram Patel, Parijat Goswami: Prevalence of HDV in HbsAg positive cancer patients from regional cancer center, Gujarat. Ind J Medical Research, 2016, 798-800.
61	Foram Patel, Parijat Goswami: Detection of biofilm formation in device associated clinical bacterial isolates in cancer patients. Sri Lankan J Infectious Diseases, 2016, 6: 43-50.

Molecular Endocrinology

62	Richa Parikh, Toral Kobawala, Trupti Trivedi, Mahanaz Kazi, Nandita Ghosh: Clinical utility of IL-18 in breast cancer patients: A pilot study. Cancer Translational Med. 2017, 3: 13-19.
63	Kinjal Gajjar, Deep Yadav, Toral Kobawala, Trupti Trivedi, Hemangini Vora, Nandita Ghosh: ERCC1 expression in patients with colorectal cancer: A pilot study. J Cancer Metastasis and Treatment, 2016, 2: 471-476.



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Molecular Endocrinology	
62	Richa Parikh, Toral Kobawala, Trupti Trivedi, Mahanaz Kazi, Nandita Ghosh: Clinical utility of IL-18 in breast cancer patients: A pilot study. <i>Cancer Translational Med.</i> 2017, 3: 13-19.
63	Kinjal Gajjar, Deep Yadav, Toral Kobawala, Trupti Trivedi, Hemangini Vora, Nandita Ghosh: ERCC1 expression in patients with colorectal cancer: A pilot study. <i>J Cancer Metastasis and Treatment</i> , 2016, 2: 471-476.
64	Toral Kobawala, Trupti Trivedi, Kinjal Gajjar, Girish Patel, Nandita Ghosh: Role of Interleukin-18 in thyroid tumorigenesis. <i>Int. J Cancer Therapy and Oncol</i> , 2016, 4: 431.
65	Mahanaz Kazi, Trupti Trivedi, Toral Kobawala, Nandita Ghosh: The potential of Wnt signaling pathway in cancer: A focus on breast cancer. <i>Cancer Translational Medicine</i> , 2016, 2: 55-60.
66	Jigna Dave, Hemangini Vora, Trupti Trivedi, Nandita Ghosh: Nibrin expression in oral squamous cell carcinoma: Association with clinicopathological parameters. <i>J Cancer Metastasis and Treatment</i> , 2016, 2: 436-442.
67	Jigna Dave, Hemangini Vora, Nandita Ghosh, Trupti Trivedi: Mediator of DNA damage checkpoint protein 1 (MDC1) as a prognostic marker for patients with oral squamous cell carcinoma. <i>J Oral Pathol Med</i> , 2017, 46: 253-258.
Palliative Medicine	
68	Priti Sanghavi, Miten Delvadiya, Jayesh Makwana, Bipin Patel: Anesthetic management of a patient with Gilbert Syndrome posted for laparoscopic cholecystectomy, 2015, <i>IJSR</i> 2015;4:87-88.
69	Amita Jansar, Priti Sanghavi, Nileshgiri Gauswami, Bipin Patel: Anesthetic management of patient with tuberous sclerosis for ventriculo peritoneal shant-A case report. <i>GCS Res J</i> , 2016, 2:33-35.
70	Geeta Joshi: Brain waves: Myths and Facts about Palliative Care. <i>GCS Res J</i> , 2016, 1: 34-36.
71	Geeta Joshi: Brain waves: Myths and Facts Morphine. <i>GCS Res J</i> , 2016, 18: 27-29.
Pathology	
72	Trupti Patel, Chetan Dharaiya, Majal Shah, Rujuta Shah: Cerebrospinal fluid cytology in cancer patients: An institutional study with 5394 cases. <i>Int. J. Cur Res Rev</i> , 2017, 9.
73	Biren Parikh, Hussain Rangwala, Dhaval Jetly: A correlation study of morphological and cytogenetic features of APML. <i>Pathol and Laboratory Med</i> , 2016, 8:
74	Biren Parikh, Suchita Patel, Birwa Raiya, Hemangini Vora, Dhaval Jetly: Applicability of a single 5 color cytoplasmic markers tube as primary panel for immunophenotyping of acute leukemia: The Gujarat Cancer and Research Institute experience. <i>Indian J Cancer</i> , 2016, 53: 349-352.



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Q3. Ongoing Extramural Research Projects April 2016 - March 2017

No.	Name of PI	Project Title	Funded by
Biochemistry Research			
1	Dr Prabhudas Patel Dr Ava Desai Dr Shilpa Patel	Prevalence of high risk human papilloma virus type 16 and 18 in cervical cancers in population from Gujarat, West India	GCS/GCRI
2	Dr Prabhudas Patel Dr Ava Desai	VEGF family expression in cancer cervix and its prognostic significance	GCS/GCRI
3	Dr Jayendrakumar Patel	Significance of JAK-2, NPM1, C-KIT and FLT3 ITD and D835 mutations in leukemia patients	GCS/GCRI
4	Dr Franky Shah	Assessment of miRNA expression in breast cancer	GCS/GCRI
5	Dr Franky Shah	Role of vitamin D and vitamin Pathway genes in breast cancer	ICMR
6	Dr Prabhudas Patel Dr Hemangini Vora	Immunoscore colon cancer Multicentric Project Biochemistry Research Division and Immunohistochemistry & Flowcytometry Division involved for multicentric project.	GCRI
Cell Biology			
7	Dr Prabhudas Patel	Clinical implication of MMPs, VEGF and hTERT in Imatinib resistant CML patients	GCS/GCRI
8	Dr Pina Trivedi	Study of Clinical and Prognostic Significance of Gene Rearrangements in Chronic Lymphocytic Leukemia	GCS/GCRI
9	Dr Prabhudas Patel	Clinical implications of multidrug resistance proteins in CML patients	GCS/GCRI
Gynaecological Oncology			
10	Dr Ruch Arora Dr Shilpa Patel	Risk of ovarian malignancy algorithm (ROMA) utilizing human epididymis protein-4 (HE-4) and CA-125 dual marker combination for prediction of ovarian cancer	GCS/GCRI
Immunohistochemistry & Flowcytometry			
11	Dr Kruti Rajvik	Evaluation of effects of turmeric-A golden spice in non-smoker lung adenocarcinoma patients	GCS/GCRI
12	Dr Shalvi Mehta Dr Hemangini Vora	Evaluation of Ikaros mRNA and protein expression in B cell acute lymphoblastic leukemia	GCS/GCRI
13	Dr Hemangini Vora	Detection of cancer stem cells in breast cancer patients by multiparameters	GCS/GCRI
14	Dr Hemangini Vora	Detection of circulating tumor cells in breast cancer patients by multiparameter flowcytometry	GCS/GCRI
15	Dr Hemangini Vora	Detection of minimal residual disease in acute lymphoblastic leukemia by multicolor flowcytometry	GCS/GCRI



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16	Dr Nupur Patel Dr Hemangini Vora	A study to determine role of miRNA 200 family molecules in Breast cancer patients exhibiting EMT	GCS/GCRI
17	Dr Priti Trivedi Dr Hemangini Vora	Determination of sensitivity of Napsin A and p40 in differential diagnosis of NSCLC	GCS/GCRI

Medicinal Chemistry & Pharmacogenomics

18	Dr Apexa Raval	RTK signalling pathway and BRCA status in breast cancer subtypes	GCS/GCRI
19	Dr Rakesh Rawal	Assessment of epigenetic modifications in cellular differentiation biomarkers in oral Squamous cell carcinoma: In-vitro Approach	GCS/GCRI
20	Dr Rakesh Rawal	Detection of EGFR alteration from FFPE & Fresh Biopsy sample as NSCLC patients: A Pilot study	GCS/GCRI

Medical Oncology

21	Dr Geeta Joshi	A Multi-Centre, Randomized, Double Blind, Parallel-Group, Comparative Clinical Trial to evaluate the Safety and Clinical Equivalence of Generic Clotrimazole Troche/Lozenges USP, 10mg (Unique Pharmaceutical Laboratories, India) to Clotrimazole Troche/Lozenges® 10mg (Roxane Laboratories Inc., USA) in subjects with Oropharyngeal Candidiasis	ThinQ Pharma
22	Dr Asha Anand	RLS/TP/2010/07 – “Prospective, multi-centric, open label, two arm, parallel group, active control, randomized, comparative clinical study to evaluate efficacy and safety of R-TPR-017 / MabThera® in patients with Non-Hodgkin's Lymphoma	Reliance Life Science
23	Dr Asha Anand	A prospective, randomized, multi-center study to compare the safety, tolerability and efficacy of Bevacizumab (ZydusCadila) with Bevacizumab (Avastin®) in non small cell lung cancer (NSCLC)	ZydusCadila
24	Dr Harsha Panchal	A phase II/III Open label Multicentric Randomised trial to determine the safety and efficacy of Non-pegylated Liposomal Doxorubicin (Nudoxa) at two different dose levels as compared to doxorubicin in patients with metastatic breast cancer	ZydusCadila
25	Dr Harsha Panchal	Protocol No. RLS/TP/2011/05 “Prospective, multi-centre, randomized, 6open-label, two arm, parallel group, active-control, comparative clinical study to evaluate efficacy, safety and pharmacokinetics of R-TPR-016/ Herceptin® (Herclon™) when given intravenously in patients with Metastatic HER2-Overexpressing Breast Cancer”	Reliance Life Sciences
26	Dr Harsha Panchal	A phase III randomized , Open label, multicentric, global study of MED14736 in combination with Tremelimumab therapy versus standard of care platinum based chemotherapy in first line treatment of patients with advanced or metastatic non small cell lung cancer (NSCLC) (NEPTUNE)	AstraZeneca



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27	Dr Harsha Panchal	Reditux™ Registry to Compare Effectiveness, Safety, and Resource Utilization of Reditux™ vs. the Reference Medicinal Product to Treat Diffuse Large B-Cell Lymphoma and Chronic Lymphocytic Leukaemia in Routine Clinical Practice	Dr. Reddy's Laboratories Ltd.
28	Dr Apurva Patel	CLDK378A2301: A phase III multicenter, randomized study of oral LDK378 versus standard chemotherapy in previously untreated adult patients with ALK rearranged (ALK-positive), stage IIIB or IV, non-squamous non-small cell lung cancer	Novartis
29	Dr Sandip Shah	GP13-301 - A Randomized, Controlled, Double-Blind Phase III Trial to Compare the Efficacy, Safety and Pharmacokinetics of GP2013 plus CVP vs. MabThera® plus CVP, Followed by GP2013 or MabThera® Maintenance Therapy in Patients with Previously Untreated, Advanced Stage Follicular Lymphoma. Closed (International)	Sandoz-PPD
30	Dr Sonia Parikh	ABO8026 A prospective, multicenter, randomized, open-label, active-controlled, two-parallel groups, phase 3 study to compare the efficacy and safety of masitinib at 7.5 mg/kg/day to dacarbazine in the treatment of patients with non-resectable or metastatic stage 3 or stage 4 melanoma carrying a mutation in the juxta membrane domain of c-kit	Maya Clinicals

Molecular Endocrinology

31	Dr Nandita Ghosh	Role of molecular markers in predicting treatment response and prognosis in patients with colorectal cancer	GCS/GCRI
32	Dr Nandita Ghosh	Molecular markers of Wnt signalling pathway in breast cancer: A preliminary study	GCS/GCRI
33	Dr Nandita Ghosh	Circulating levels of miRNA-21 and miRNA-221 as biomarkers in colorectal cancer	GCS/GCRI
34	Dr Nandita Ghosh	MicroRNA profiling in human colorectal cancer- a pilot study	GUJCOST

Radiotherapy

35	Dr Pooja Nandwani Patel	Study of sequential volumetric changes of parotid gland in early oropharyngeal carcinoma patients treated by Image Guided Radiation Therapy	GCRI
36		Comparison of induction chemotherapy followed by concurrent chemoradiotherapy versus concurrent chemoradiotherapy followed by adjuvant chemotherapy in locally advanced nasopharyngeal cancer	GCRI
37	Dr Jigna Bhattacharya	Epidemiological study of patients attending the Radiotherapy department	GCS/GCRI
38	Dr Maitrik Mehta	Comparison of Involved Site Radiotherapy vs Involved Field Radiotherapy in Hodgkins Lymphoma with CT Based Conformal Plan	GCS/GCRI

R. LIST OF EQUIPMENTS

2016–2017

No.	Name of Equipment	Quantity	Company Name	Price in Rs.
Medicinal Chemistry and Pharmaco Genomics				
1	Single Laser based cell Analyser	1	M/S Bio-Innovation	7,60,000
2	Nano Spectrofluorometer	1	M/S Manisha Enterprise	1,68,000
Biochemistry Research Division				
1	Gel Electrophoresis unit	1	M/S Krishgen BioSystem	1,43,100
2	Nano Spectrofluorometer	1		
Blood Bank				
1	Blood Collection Monitor	5	M/S Nisha Sales	7,35,000
Neuro Surgery Department				
1	Marathon micrometer - N7R High Torque with Straight Hand piece	1	M/S e Mold Technique	39,270
DSU				
1	Pulse Oximeter	2	Ms Silver Line Meditech Pvt Ltd	28,560
Clinical Lab				
1	Water bath	1	M/S Today Scientific	17,745
Central Clinical lab				
1	Magnetic stirrer	1	M/S Lab Equip Techno craft	8,090
2	Vortex Mixture	1	M/S Lab Equip Techno craft	9,975
Operation Theatre				
1	Hopkins (2) telescope 30°10mm,31cm-26003BA (exchanged)	1	M/S Vision Healthcare & Consultancy	1,08,852
2	Hopkins (2) telescope 30°4mm,30cm-27005BA(exchanged)	1	M/S Vision Healthcare &Consultancy	97,125
3	Pulse Oximeter	2	M/S Silverline Medi-Tech Pvt Ltd	28,560
Main OT				
1	Harmonic Scalpel with 35 probe	1	M/S Maharani Ortho Care	12,60,000
Siddhpur Cancer Care Centre				
1	Autoclave Machine	1	M/S New Era Marketing	15,225
2	Pulse Oximeter	3	M/S Silverline Medi-Tech Pvt Ltd	42,840
3	Electrometer with 0-6cc ION Chamber	1	M/S KUK Med Solution	13,23,000
ECG - Room Post-Op				
1	ECG machine	1	M/S Sterling Sales & Services	18,500
Surgical OPD				
1	Hopkins(2)telescope 70°4mm,18cm-7230cwa(exchanged)	1	M/S Vision Health Care and Consultancy	84,499
Neuro OT				
1	Electrosurgical Generate without Endocut	2	M/S R.H.B Enterprise	4,00,000

S. BALANCE SHEET



GUJARAT CANCER & RESEARCH INSTITUTE

(M. P. SHAH CANCER HOSPITAL)

Affiliated to B J Medical College

FINANCIAL STATEMENT (BALANCE SHEET) 2016-2017

Civil Hospital Campus, Asarwa, Ahmedabad 380 016, Gujarat, INDIA
Tel: 079-22688000 (Hunting); Fax: 079-22685490



GCRI Annual Report 2016 - 2017

N. M. NAGRI & CO.

CHARTERED ACCOUNTANTS

'A' Block, 5th Floor, A-1 & A-2, Safal Profitaire, Opp. Prahlad Nagar Garden, Near Hotel Ramada,
Prahlad Nagar, Ahmedabad-380 015 Tele:(079) 40064694, 40064695, 40061203 ♦E-mail: nmnagri@hotmail.com

Independent Auditors' Report

Name of the Public Charitable Trust – THE GUJARAT CANCER & RESEARCH INSTITUTE
Trust Registration No. F/451/AHD

We have audited the accompanying financial statements of **THE GUJARAT CANCER & RESEARCH INSTITUTE (the Institute)** which comprise the Balance Sheet as at March 31, 2017 and the Income and Expenditure Account for the year then ended, and a summary of Significant Accounting Policies and other explanatory information.

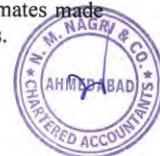
Management's responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the Institute in accordance with the accounting principles generally accepted in India and as per the provisions of The Gujarat Public Trusts Act, 1950 (Bom. XXIX of 1950) (the Act). This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding the assets of the Trust and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risks assessments, the auditor considers internal financial controls relevant to the Trust's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Trust's internal financial controls. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the management, as well as evaluating the overall presentation of the financial statements.





GCRI Annual Report 2016 - 2017

N. M. NAGRI & CO.

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Prahlad Nagar, Ahmedabad-380 015 Tele:(079) 40064694, 40064695, 40061203 ♦E-mail: nmnagri@hotmail.com

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements of the Institute for the year ended March 31, 2017 are prepared, in all material respects, in accordance with The Gujarat Public Trusts Act, 1950 (Bom. XXIX of 1950).

Emphasis of Matter

We draw attention to the following matter in the Notes to the Financial Statements:

Note No.3 of Schedule 13(B) to the Financial Statements which describes that fixed assets acquired from F.Y. 1981-82 till F.Y. 2009-10 out of capital grants/ funds received from Government of India, having gross cost of Rs.20,38,78,526/- up to 31.03.2016 on which no depreciation has ever been provided in the books of account as per the consistent accounting policy followed by the Institute, have outlived their useful lives and majority of them have been retired from active use due to continuous use over years, wear and tear and technological obsolescence. The net recoverable/ realizable amount of these fixed assets is significantly lower than their carrying amount in the financial statements. After due consideration and after reviewing the indication of impairment of such fixed assets, the management of the Institute has decided to write down the value of such fixed assets to their residual value, estimated at 3% of their respective gross costs. The difference between the carrying amount and residual value of such fixed assets is Rs.19,77,62,170/- (P.Y. Rs.Nil) has been treated as impairment loss and charged to the Income & Expenditure Account for the F.Y. 2016-17. Had this impairment loss not been charged to the Income & Expenditure Account for the year ended 31.03.2017, the surplus for the year would have been higher by Rs.19,77,62,170/-.

Our Opinion is not modified in respect of this matter.

Report on Other Legal and Regulatory Requirements

As required by The Gujarat Public Trusts Act, 1950 as applicable to the State of Gujarat and on the basis of such checks as we considered appropriate and necessary and according to the information and explanations given to us, we report that :-

1. The accounts are maintained regularly and in accordance with the provisions of The Gujarat Public Trusts Act, 1950 (Bom. XXIX of 1950) and the Bombay Public Trusts (Gujarat) Rules, 1961.
2. The Receipts and disbursements are properly and correctly shown in the Accounts.
3. The Cash balance and vouchers are in the custody of the Cashier/ Accountant on the date of audit and are in agreement with the Accounts.





GCRI Annual Report 2016 - 2017

N. M. NAGRI & CO. CHARTERED ACCOUNTANTS

'A' Block, 5th Floor, A-1 & A-2, Safal Profitaire, Opp. Prahlad Nagar Garden, Near Hotel Ramada,
Prahlad Nagar, Ahmedabad-380 015 Tele:(079) 40064694, 40064695, 40061203 ♦E-mail: nmnagri@hotmail.com

4. Books, Deeds, Accounts, vouchers and other documents and records required by us were produced before us.
5. The inventory, certified by the Trustees, of the movable properties of the Trust has been maintained.
6. The Chief Accountant appeared before us and furnished the necessary information required by us.
7. The property or Funds of the Trust were not applied for any object or purpose other than the objects or purposes of the Trust.
8. The amounts of Receivables outstanding for more than one year are Rs.47,47,685/- and treated as doubtful of recovery. The amounts written off are Rs. Nil.
9. Tenders were generally invited for repairs and construction where the expenditure exceeded Rs.5000/- .
10. No money of the Public Trust has been invested contrary to the provisions of Section 35.
11. No alienation of immovable property has been made contrary to the provisions of Section 36.
12. The books of account are maintained on mercantile system of accounting.

For N.M. NAGRI & Co.
Chartered Accountants
Firm Registration No. 106792W



(Handwritten Signature)

(N.M. NAGRI)
Proprietor
Membership No. 016992

Place : AHMEDABAD
Date : 29.07.2017



GCRI Annual Report 2016 - 2017

THE GUJARAT PUBLIC TRUSTS ACT, 1950 SCHEDULE VIII [VIDE RULE 17(1)] NAME OF PUBLIC TRUST: THE GUJARAT CANCER AND RESEARCH INSTITUTE Trust No: F/451/AHD Date of Registration: 29.1.1972 Address of the Trust Office: Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000 Balance Sheet as at 31st March, 2017							
Bank Account No. of Trust for transactions of Foreign Contribution 3162819081. F.C.R.A No. 041910456 Date: 20.1.2014 Central Bank of India, Chamanpura Br., Civil Hospital Campus, Ahmedabad.							
FUNDS AND LIABILITIES	Sch. No.	INR		PROPERTY AND ASSETS	Sch. No.	INR	
		As at March 31,				As at March 31,	
		2017	2016			2017	2016
Trust Funds or Corpus	1			Immovable Properties	5	40,301,846	40,301,846
Balance as per last Balance Sheet		986,725,660	793,087,509	Investments		-	-
Adjustment during the year		208,784,139	193,638,151	Furniture, Fixtures & Others	5	624,650,822	813,449,356
		1,195,509,799	986,725,660	Loans(Secured or unsecured)		-	-
Other Earmarked Funds:				Good/Doubtful		-	-
Depreciation Fund	5	385,812,474	350,302,029	Loan Scholarships		-	-
Sinking Fund		-	-	Other Loans		-	-
Reserve Fund		-	-	Sundry Debtors	6	3,014,508	7,672,867
Any Other Funds	2	1,370,786,167	1,430,002,166	Inventories	7	17,762,414	11,655,867
		1,756,598,641	1,780,304,195	Advances:	8	-	-
Loans(Secured or Unsecured):				To Trustees		-	-
From Trustees		-	-	To Employees		544,077	345,250
From Others		-	-	To Contractors		48,000	1,008,570
		-	-	To Lawyers		-	-
Liabilities:				To Others		51,544,338	26,301,986
For Expenses	3	120,897,346	96,149,907	Income Outstanding:		52,136,415	27,655,806
For Advances		23,712,069	21,505,070	Rent		-	-
For Rent and Other Deposits	4	88,534,887	46,381,618	Interest		35,216,575	12,528,714
Sundry Credit Balances		179,705,254	228,090,172	Other Income		-	-
		412,849,556	392,126,767	Cash and Bank Balances		35,216,575	12,528,714
Income and Expenditure Account:				(a) In Current & Saving Accounts and			
Balance as per Last Balance Sheet		(756,670,088)	(660,875,947)	Fixed Deposit Accounts	9	1,856,272,101	1,486,632,053
Add/Less : Surplus/(Deficit) as per Income and Expenditure Account		23,356,731	(95,794,141)	(b) In F.C.R.A Account No 3162819081 and Fixed Deposit Account	9	2,109,851	2,438,718
		(733,313,357)	(756,670,088)	(c) With the Trustee		-	-
Significant Accounting Policies	13A			(d) With the Cashier	9	180,107	151,307
Notes to the Financial Statements	13B					1,858,562,059	1,489,222,078
TOTAL		2,631,644,639	2,402,486,534	TOTAL		2,631,644,639	2,402,486,534

Notes:
 (1) Immovable properties are valued at cost.
 (2) Investments are valued at cost.
 (3) All the bank accounts stand in the name of the Institute.
 (4) There are no investments in concerns in which the trustees are interested.
 (5) The accounts are maintained on mercantile system of accounting.
 The above Balance Sheet to the best of our belief contains a true account of the Funds and Liabilities and of the Property and Assets of the Institute.

<p style="text-align: center;">FOR AND ON BEHALF OF TRUSTEES</p> <p><i>R. Patel</i> R. Patel Chairman & Trustee Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000</p> <p><i>P. Kinarivala</i> Prashant Kinarivala Trustee</p>	<p style="text-align: center;">As per our report of even date attached</p> <p><i>Rakesh B Vyas</i> Dr Rakesh B Vyas Incharge Director</p> <p>For, N.M NAGRI & CO., Chartered Accountants Firm Reg. No.106792W</p> <p><i>N.M Nagri</i> (N.M Nagri) Proprietor Membership No. 016992</p> <p>A Block, 5th Floor, A-1 & A-2, Safal Profitaire, Opp Prahladnagar Garden, Near Hotel Ramada, Prahladnagar, Ahmedabad-380015 Phone No: 40064694 Place: Ahmedabad Date: 29-07-2017</p>
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Place: Ahmedabad
Date: 29-07-2017





GCRI Annual Report 2016 - 2017

THE GUJARAT PUBLIC TRUSTS ACT, 1950							
SCHEDULE VIII [VIDE RULE 17(1)]							
NAME OF PUBLIC TRUST: THE GUJARAT CANCER AND RESEARCH INSTITUTE							
Trust No: F/451/AHD Date of Registration: 29.1.1972							
Address of the Trust Office: Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000							
Income and Expenditure Account for the year ended 31st March, 2017							
Bank Account No. of Trust for transactions of Foreign Contribution 3162819081. F.C.R.A No. 041910456 Date: 20.1.2014 Central Bank of India, Chamanpura Br., Civil Hospital Campus, Ahmedabad.							
EXPENDITURE	Sch. No.	INR		INCOME	Sch. No.	INR	
		For the year ended March 31,				For the year ended March 31,	
		2017	2016			2017	2016
To Expenditure in respect of properties:				By Income			
Rates, Taxes, Cesses		4,673,577	6,096,225	Hospital Income		825,008,637	578,462,691
Repairs and Maintenance		10,139,530	9,265,483	By Rent (accrued/realized)		143,000	348,000
Salaries		-	-	By Interest (accrued/realized)		-	-
Insurance		-	-	On Securities		-	-
Depreciation	5	2,100,881	2,720,380	On Loans		-	-
Other Expenses		2,507,550	10,168,800	On Bank Account		42,682,243	34,703,523
		19,421,538	28,250,888	By Dividend		1,250	3,000
To Establishment Expenses		-	-	By Donations in cash or kind:		-	-
To Remuneration (in the case of math)		-	-	Domestic		-	-
To the head of the math, including his household expenditure, if any.		-	-	International		-	-
To Legal and Professional Expenses		4,113,135	12,218,928	F.C.R.A No. 041910456 Date: 20.1.2014		-	-
To Audit Fees		402,500	233,280	By Grants from Government of Gujarat	10	680,023,000	534,250,587
To Contribution and fees		-	-	By Income from Other Sources	11	10,157,959	8,125,954
To Amounts Written off:		-	-	By Transfer from Reserve		-	-
(a) Bad Debts		-	-				
(b) Loan Scholarship		-	-				
(c) Irrecoverable Rents		-	-				
(d) Other Items		-	-				
To Miscellaneous Expenses		-	-				
To Depreciation	5	33,409,564	62,870,285				
To Impairment Loss on GOI Fixed Assets	13(B)(3)	197,762,170	-				
To Amounts transferred to Reserve of Specific Funds		-	-				
To Expenditure on objects of the Trust:		-	-				
(a) Religious		-	-				
(b) Educational		-	-				
(c) Medical Relief	12	1,279,550,451	1,148,114,515				
(d) Relief of Poverty		-	-				
(e) Other charitable objects		-	-				
To Surplus/(Deficit) Carried over to Balance Sheet		23,356,731	(95,794,141)				
Significant Accounting Policies	13A						
Notes to the Financial Statements	13B						
TOTAL		1,558,016,089	1,155,893,755	TOTAL		1,558,016,089	1,155,893,755

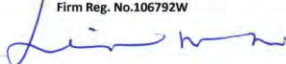
FOR AND ON BEHALF OF TRUSTEES



 Pankaj R. Patel
 Chairman & Trustee
 Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No.: 22688000


 Prashant Kinarivala
 Trustee


 Dr Rakesh B Vyas
 Incharge Director

As per our report of even date attached


 For, N.M NAGRI & CO.,
 Chartered Accountants
 Firm Reg. No.106792W


 (N.M Nagri)
 Proprietor
 Membership No. 016992

A Block, 5th Floor, A-1 & A-2,
 Safal Profitaire, Opp Prahladnagar Garden,
 Near Hotel Ramada, Prahladnagar,
 Ahmedabad-380015 Phone No: 40064694
 Place: Ahmedabad
 Date: 29-07-2017

Place: Ahmedabad
 Date: 29-07-2017

Acknowledgment

Our sincere thanks and gratitude to:

Shri Omprakash Kohliji, His Excellency the Governor of Gujarat

Shri Vijay Rupani, Hon'ble Chief Minister, Gujarat State

Shri Nitin Patel, Hon'ble Deputy Chief Minister, Gujarat State

Shri J N Singh, IAS, Chief Secretary, Govt. of Gujarat

Shri Punamchand Parmar, IAS, Addl. Chief Secretary, Health & Family Welfare Dept., Govt. of Gujarat

Dr. Jayanti S Ravi, IAS, Principal Secretary & Commissioner of Health, Govt. of Gujarat

Shri Milind Torawane, IAS, Secretary, Finance Dept. (Exp), Govt. of Gujarat

Shri P K Taneja, IAS Chairman / MD, GMDC, Ahmedabad

Dy. Director General, Dte. General & Health Services

Ministry of Health & Family Welfare, Govt. of India

Director (IF), Ministry of Health & Family Welfare, Govt. of India

Mayor, Ahmedabad Municipal Corporation

Municipal Commissioner, Ahmedabad

Superintendent, Civil Hospital, Ahmedabad

Dean, Govt. Dental College, Ahmedabad

Dean, B. J. Medical College, Ahmedabad

Director General, Indian Council for Medical Research, New Delhi

Officer-Incharge, ICMR, NCRP, Bangalore

Director, NIOH, Ahmedabad

Vice Chancellor, Gujarat University, Ahmedabad

Department of Health & Family Welfare, Govt. of Gujarat

Ministry of Health & Family Welfare, Govt. of India

Director General of Department of Science & Technology, New Delhi

Director General of Department of Biotechnology, New Delhi

Commissioner of Police, Ahmedabad

Gujarat Cancer Society, Ahmedabad

Social Organisations providing helping hand to our day today activities

All staff members of Gujarat Cancer & Research Institute and Gujarat Cancer Society Parivar

Director, Institute of Kidney Diseases & Research Centre

Director, U. N. Mehta Institute of Cardiology & Research Centre

Dean and all staff members of GCSMC&H

Annual Report Preparation Committee

Dr. Geeta Joshi

Head of Departments/ Units/ Services

Dr. Hemangini Vora, Dr. Trupti Trivedi

Head of Administrative Sections

Mr. Dharmesh Panchal, Mr. Rushi Patel, Mr. Mahendra Kumpavat

GCRI Mission : Fight against Cancer

