



The Gujarat Cancer & Research Institute

(M. P. Shah Cancer Hospital)

STATE CANCER INSTITUTE

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

Annual Report 2021 - 2022



Shri Pankaj R. Patel
Chairman, Governing Board, GCRI

Members of Governing Board

**Nominated by
Govt. of Gujarat**

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Health & Family Welfare Department,
Government of Gujarat

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Gujarat Cancer Society**

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Executive Chairman,
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Shri Prashant Kinarivala

General Secretary,
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Shri Kshitish Madanmohan

Vice President,
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Shri Chintan Parikh

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Nominated by Govt. of India

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Dr Shashank Pandya

Director, GCRI
& Member Secretary

Purchase Committee Members

Shri Prashant Kinarivala

General Secretary, Gujarat Cancer Society
Chairman

Shri Kshitish Madanmohan

Vice President, Gujarat Cancer Society
Member

Dr Shashank Pandya

Director, GCRI
Member Secretary

Dr Pariseema Dave

Deputy Director, GCRI
Special Invitee
(up to November 15, 2021)

Dr Priti Sanghavi

I/C Deputy Director, GCRI
Special Invitee
(November 16, 2021 onwards)

Shri Deevyesh Radia

Secretary, GCS
Special Invitee

Shri Kaushik Patel

Secretary, GCS
Special Invitee



‘JOINT VENTURE OF GOVERNMENT OF GUJARAT AND
THE GUJARAT CANCER SOCIETY’

THE 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
2021 - 2022**

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GCRI Annual Report 2021-2022

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.



GCRI Annual Report 2021-2022

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.”



GCRI Annual Report 2021-2022

TABLE OF CONTENTS

No.	Department / Division	Page No.
	Clinical Departments (A-J)	
A	Anaesthesiology	1
B	Community Oncology & Medical Records General Statistics of Registered Cases	3
C	Gynaecological Oncology	8
D	Medical & Paediatric Oncology	10
E	Palliative Medicine	13
F	Oncopathology	15
	F1 - Histopathology, Cytology, Biochemistry, Haematology	15
	F2 - Blood Bank	19
	F3 - Microbiology	21
G	Radiodiagnosis	26
	G1 - Imaging Services	26
	G2 - Nuclear Medicine and PET CT	27
H	Radiation Oncology	29
I	Surgical Oncology	31
	I1 - General Surgical Oncology	31
	I2 - Reconstructive (Plastic) Surgery	32
	I3 - Urosurgery Oncology	32
	I4 - Musculoskeletal Oncosurgery	32
	I5 - Paediatric Oncosurgery	33
	I6 - Interventional Therapeutic Centre (IVTC)	33
	I7 - Ophthalmic Oncosurgery	34
J	Neuro Oncology	35
K	Support Services	36
	K1 - General Administration and Human Resources	36
	K2 - Educational Graphics & Medical Photography	42
	K3 - Library & Information Services	43
	K4 - Nursing Services	45
	K5 - Stoma Clinic	47
	K6 - Pharmacy	48



GCRI Annual Report 2021-2022

TABLE OF CONTENTS

No.	Department / Division	Page No.
	K7 - Physiotherapy	49
	K8 - Prosthesis and Rehabilitation	50
L	Cancer Biology (Research Wing)	51
	L1 - Immunohaematology Lab	52
	L2 - Molecular Diagnostics and Research Lab I	53
	L3 - Molecular Diagnostics and Research Lab II	54
	L4 - Molecular Diagnostics and Research Lab III	55
	L5 - Molecular Diagnostics and Research Lab IV	56
	L6 - Cytogenetics Lab	57
M	Educational Activities	59
	M1 - Activities of the Scientific Research Committee	59
	M2 - Clinical Meetings	60
	M3 - Complementary Training Programme to Formal Education	60
	M4 - Formal Educational Courses	60
	M5 - GCS Research Journal	60
	M6 - Hospital Day Celebration	61
	M7 - Professional Training to Doctors and Scientists (Conferences, Workshops)	68
	M8 - Professional Training to Paramedics (Technological Courses)	68
	M9 - Staff Training - Intramural and Extramural	69
N	Community Oncology Centre (COC, Vasna)	70
O	Community Outreach Activities Cancer Detection Camps, Blood Donation Camps and Cancer Awareness Camps, Home Care Service	72
P	Functioning of Committees	73
Q	Research Activities	84
	Q1 - Conference Presentations	84
	Q2 - Publications	89
	Q3 - Projects	92
R	List of Equipments 2021 - 2022	96
S	Balance Sheet 2021 - 2022	98



GCRI Annual Report 2021-2022

GCRI Profile At A Glance

GCRI - Speciality Hospital for Cancer Regional Cancer Centre

- 1000 Indoor Beds - Largest Cancer Hospital of the Country
- 23,695 New Cases
- 2,08,571 Outdoor Patients
- 2,03,065 Indoor Admissions
- 18,012,668 Laboratory Tests
- 2,16,637 Imaging and Radiological Investigations
- 14,572 Major and Minor Surgeries
- 41,128 Chemotherapy Treatment
- 19,210 Radiation Treatment

GCRI - Speciality Medical Education Centre

- DM - Medical Oncology, Oncopathology
- MCh - Surgical Oncology, Gynaecological Oncology
- MD - Radiodiagnosis, Anaesthesiology,
Radiation Oncology, Palliative Medicine
- Postgraduate Students - 161 Students
- PhD - Life Sciences - 8 Students
- MSc in Cancer Biology - 40 Students
- MSc - Medical Physics - 17 Students
- Diploma in Medical Laboratory Technologists - 50 Students



GCRI Annual Report 2021-2022

GCRI Profile At A Glance

GCRI - Research Organisation

- 6 Well Equipped Research Labs
- 25 On-going Research Projects; 13 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 Care Services
- 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



GCRI Annual Report 2021-2022

A. ANAESTHESIOLOGY

Professor & Head: Dr Jayshree Thakkar

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

Assistant Professors: Dr Kinna Shah, Dr Bijal Shah, Dr Priti Patel, Dr Madhuri Bhade (till 1-11-2021)
Dr Rekha Solanki, Dr Misha Agarwal, Dr Tanmay Tank,
Dr Sheetal Baranda, Dr Kinjal Mistry, Dr Drashti Dave, Dr Amita Jansari

Junior Lecturer: Dr Jenish Patel



Clinical Services: The department provides services of anaesthesia for oncosurgical patients. Anaesthesia services are provided during peri-operative period, which includes pre-anesthetic checkup 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 Neuro Oncology, Musculo-skeleton surgeries, Urology surgeries, Gynecological surgeries, Plastic surgery etc. are involved in treatment of cancer. Treatment and care of critically ill patients in ICUs (Surgical, Medical & Neuro Oncology) is part of anaesthesia services. These services are provided for all major & minor surgical

procedures, gynecological 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 & MRI. Our department takes lead in peripheral venous access as well as central venous access as per requirement of the patient. The departmental staff attend all emergency calls for resuscitation, monitored anaesthesia and venous access. The department provides emergency services in all the wards for central / peripheral venous access of the patient. Covid-19 pandemic related services are also arranged.



GCRI Annual Report 2021-2022

Details of Work Done	Number
Major Operations, DSU OT (Elective + Emergency surgeries)	10000
Neuro OT Elective + Emergency surgeries	4857
Day Stay Unit (GA + LA)	5873
CT Scan + MRI + USG Guided Biopsy + PET Scan	383
Intra Cavity Radium + Implant under anaesthesia	745
Radiotherapy in paediatric patients under anaesthesia	540
Interventional Therapy (IVT) under anaesthesia	200
Central venous access + PICC + LP + Epidural	1268

Major Achievements: Dr Nita Gosai, received State Award from Government of Gujarat, Samman Patra by Chief Minister, Shri Vijaybhai Rupani for best services in Covid 19 Pandemic on August 7, 2021. She has passed PGDHM exam from BK School, Gujarat University in February 2022.

Dr Rekha Solanki, received National Award for CPR activity in ISACON, Ahmedabad during November 25-28, 2021. She selected as EC member in ISA - Ahmedabad City Branch for the year 2021-2022.

Dr Amita Jansari, accomplished dedicated training as Basic Cardiopulmonary Life Support (BCLS) Instructor in accordance with current Indian Resuscitation Cardiopulmonary Resuscitation (CPR) guideline on January 23, 2022.

Public services: Faculties were deputed to Government Dental College, Ahmedabad for Anaesthesia Services in Post Covid Mucormycotic Surgeries during May and June 2021.

Training organized: CPR Training to all first year resident doctors of GCRI given on February 21, 2022.





B. COMMUNITY ONCOLOGY & MEDICAL RECORDS

Assistant Professor and Head: Dr Anand Shah
Medical Officer: Dr Rohini Patel
Medical Record Officer: Himanshu Patel
Statistical Assistants: Jayesh Solanki, Vishruti Pandya, Ms Hetal Teli



Clinical Services:

New O.P.D.: During the year 2021, a total of 23,695 patients were registered. The documents under various schemes /categories such as Ayushman Bharat Pradhan Mantri Jan Arogya Yojana- Mukhyamantri Amrutam Yojana (PMJAY-MA), Pradhan Mantri Jan Arogya Yojana (PMJAY) for other states, 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, School Health Programme etc. are verified. Some special radiological and laboratory investigation cards are also issued. Year wise general statistics of hospital is prepared here. Pathology reports, traveling passes (ST/Railway) and stickers are issued here.

Old O.P.D.: It maintains the records of newly registered cases as well as old (follow-up) cases. A total of 2,08,571 outdoor patients had come for follow up in the year 2021. For patient's convenience, SMS software is implemented. Patient can inform through SMS prior to his / her follow up day so that his / her case file are kept ready before

patient's arrival. Helpline facility through phone call is also started for follow up. Patient can make appointment the day before his / her follow up day by phone call on helpline number. His/her appointment is registered and SMS is sent to his / her mobile number. The MRD staff keep these files ready when patient come for follow up. Doctors / researchers may access case files for their research / dissertation study purpose after the written permission from the Director, GCRI. Computerized medical certificate are issued and forms of mediclaim policy and Life Insurance policy of expired patients are filled here. Hospital death registration work is done here.

Details	Year 2021
Total new cases registered (Cancer & Non-cancer)	23695
Adult Cases	22548
Pediatric Cases	1147
Total number of outdoor patients visited	208571



GCRI Annual Report 2021-2022

Details	Year 2021
Patients of special investigations	6527
New admission during the year	23585
Inpatient days	203065
Average inpatient stay	8.61
Strength of beds	1000
Death during the year	1585
Haematological investigations	321977
Biochemical investigations	1168997
Bacteriology investigations	9572
Serology investigations	87883
Microbiology other tests	48513
Cytological investigations	13747
Histological examinations	88825
Bone Marrow examinations	3622
Biopsy Procedures (Other than Endoscopies & B.M. Bx.)	9718
Immunohistochemistry & Flow Cytometry Investigations	42283
HLA Typing	174
Molecular Investigations	3765
Cytogenetics Investigations	2592
Total B.T. given to the patients	14260
Total Plasma / PRP given to the patients	21801
Imaging & Radiological Investigations	
MMR Ba.Swallow & other X-rays	49751
Ultrasound (USG)	16613
CT Scan	23041
MRI	4641
Mammograms	5173
OPG	-

Details	Year 2021
Colour Doppler	1111
Radiation Treatment	
Brachy Therapy	578
Linear Accelerator	4006
Bhabhatron	772
Mould prepared for Planning	1733
Simulator treatment Planning	5085
Physics Planning	7036
Surgical Operations	
Major	3548
Minor	6129
I.V.T.C	4231
Neurosurgical Operations	664
Nuclear Medicine (Isotope)	
PET CT SCAN	1813
Isotope Scan	2155
Iodine Therapy	36
Physiotherapy Treatment	23514
Total Number of Chemotherapeutic Procedures	39939
Bone Marrow Transplants	35
ECCG	22809
Stoma Clinic Patients	2517
Prosthetic Patients	936
Palliative Care OPD (New and Old cases)	22553

Cancer Screening O.P.D. at GCRI: We have started Cancer Screening OPD under Community Oncology Department. Primary objective of starting this OPD is to promote cancer awareness, cancer screening and early detection of cancer. In this OPD, we are doing cancer screening for asymptomatic individuals and patient's relative coming to GCRI.



GCRI Annual Report 2021-2022

This OPD was started from October 7 and till March 31, 2022, we have registered more than 5000 beneficiaries in this OPD, self-breast examination was taught to more than 2500 females, mammography was done for 180 females, 302 females were examined for PAP smear test / Liquid base cytology test, and more than 1000 beneficiaries were advised to stop tobacco usage. Around 100+ beneficiaries were identified to have pre-cancerous condition like leukoplakia, erythroplakia, cervical infection, lump, and others. In this OPD, we have screened 6 confirmed cases for malignancy. All these screened patients are being followed to take further treatment.

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.

1. 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: Cancer data collection from various sources for the year 2019 is completed. Case file abstraction and outside data collection work for the year 2020 and 2021 is in progress.

2. 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 2019 is completed. Outside data collection and case file abstraction for the year 2020 and 2021 is in progress. We have completed five year follow up data of breast, cervix and Head & Neck cancers for the year 2012 to 2017 and submitted to NCDIR-ICMR, Bengaluru.

3. 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 are 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 online data entry work for the year 2020 is completed. Case file abstraction and quality checks for the year 2021 is in progress.

(b) Cancer Epidemiology: The statisticians of the department help doctors and researchers for statistical analysis of their studies. They provide various data to the doctors and researchers for their dissertation/research work after the written permission from the Director, GCRI. Various statistical data and reports are also provided to the GCRI Administration and Government as and when required. This year, a total of 72 GCRI staff requested for data retrieval and 12 GCRI staff were assisted for their statistical analysis work.



GCRI Annual Report 2021-2022

(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 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 & 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 in follow-up phase, all activities e.g. extended follow up consent, cervical cell collection for HPV infection, HC-II genotyping, are continued as per protocol. Participant with positive HPV DNA testing are called to GCRI for colposcopy. In addition, participants are also regularly followed up for their information update e.g. marital status, vital status, migration status, pregnancy data and medical illness. As per protocol amendment, there is an additional study regarding 10 years follow-up of randomly selected participants for their sero-response. Sample collection was slightly delayed due to COVID-19 pandemic, however we have completed the backlog. This study is one of the reference study, on behalf of which WHO has shared a article "One dose of Cervical vaccine provides solid protection". This can be game changer for countries like India, where single dose cervical vaccine can be implemented in national vaccination schedule.

A situational analysis of childhood cancer care services in India Project: The Gujarat Cancer & Research Institute signed a Memorandum of Understanding (MOU) with The National Centre for Disease Informatics and Research (NCDIR), ICMR, Bengaluru in June 2021 for the project

entitled 'A situational analysis of childhood cancer care services in India'. The aim of this project is to assess the status of childhood cancer care services in India. The primary objectives of this study are to determine the availability of childhood cancer care services and facility preparedness and treatment related practices. The secondary objective of this study is to provide recommendations for framing programme and policies directed towards childhood cancer control. As a nodal agency, GCRI has to coordinate the survey activities in Gujarat State. The Project sanctioned for three months for the period from 01-07-2021 to 30-09-2021.

Public Services: As per the guidelines of National Cancer Control Programmers, 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 programmers.

Number of cancer education camps (Cancer Exhibition) organized during April 2021 to March 2022 are as follows.

No. of Education Camps during April 2021 - March 2022	03
Number of Visitors	192

Mobile Cancer Screening Van (Sanjeevani Rath) Cancer Detection Camps: A high tech cancer screening mobile van (Sanjeevani Rath) was launched in the year 2009 to detect the cancer



GCRI Annual Report 2021-2022

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.

Total 33 Cancer Screening camps were organized between April 2021 to March 2022. All camps were conducted as per COVID guidelines and with proper precautions. Following table shows summary report of Sanjeevani Rath camp activities.

No. of cancer screening camps during April 2021-March 2022	33
Number of beneficiaries attended	3408
Head and Neck Examinations	1098
Breast Examinations	1265
Cervix Examinations	1013
Other Sites Examinations	32
Suspicious cases referred to GCRI	135
Head and Neck	18
Breast	57
Cervix	53
Other Sites	07

Total Pap Tests: 919, Total Mammography: 185

During this period, total 33 camps were organized across the state. District wise distribution is mentioned in following table.

District	No. of Camps
Ahmedabad	05
Bhavnagar	03
Gandhinagar	09
Mehsana	06

District	No. of Camps
Vadodara	01
Banaskantha	01
Dahod	02
Jamnagar	01
Panchmahal	03
Patan	01
Surendranagar	01
Total	33

Follow-up of camp patients: Community Oncology department is doing regular follow-up of patients who are referred to GCRI during camp for further management. During this year, 10 patients were diagnosed with cancer and they have started treatment.

Covid-19 Pandemic: Department was actively involved in various activities related to COVID-19 pandemic, which are as follows:

- Case registration of COVID-19 patients
- Contact tracing of COVID positive cases
- Daily reporting about COVID cases admitted at GCRI to various Corporation and State authority
- Death audit of COVID 19 cases
- Arrangement of COVID vaccination drive in Institute. A total of 5037 doses of COVID vaccines have been given at GCRI
- Setting up and managing COVID Help Desk for admitted patients



C. GYNAECOLOGICAL ONCOLOGY

Professor and Head, Head of Unit I: Dr Shilpa Patel

Professor and Deputy Director (up to November 15, 2021), Head of Unit II: Dr Pariseema Dave

Professors: Dr Ruchi Arora, Dr Bijal Patel

Associate Professor: Dr Chetana Parekh

Assistant Professor: Dr Bijoy Kar



Clinical Services: The department offers services in following areas (1) Well Woman Clinic for early detection of gynecological malignancies (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 95 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, 13 LLETZ were performed (4) Referral Center for diagnosis and management of all premalignant and invasive gynecological malignancies such as cervical cancer, endometrial cancer, trophoblastic disease, ovarian tumors and vulvar carcinoma. Hysteroscopy: Institute has Stryker hysteroscope with monitor for diagnosis and hysteroscopic guided biopsy.

Details of Work Done	Number
OPD patients	New cases: 2142
	Old cases: 13783
Pap smear	Pap Smear: 1074 LBC: 1175 Camp: 915
Cervical Biopsy	1437
Vulval Biopsy	88

Details of Work Done	Number
Endometrial Aspiration	320
Colposcopy	95
Radical Hysterectomy + BPLND	10
Laparotomy for Ovarian Tumors	255
Staging Laparotomy for Endometrial Cancer	42



GCRI Annual Report 2021-2022

Details of Work Done	Number
Radical Vulvectomy + Groin Dissection	11
Other Major Surgeries	49
Total Major Surgeries: 367 Total Minor Surgical procedures: 134 LEEP: 13	

Academic Activities: There are six MCh students, eight Fellows, and one Resident enrolled in the department and 163 lectures, case presentation, journal presentation, interesting case discussion conducted.

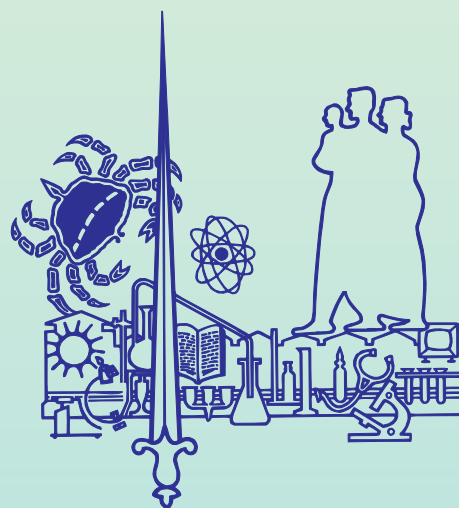
Major Achievements: The department has received **Vimla Agrawal Rotating Trophy** for maximum publications among Clinical Departments for the year 2019 during Hospital Day Celebrations on April 23, 2022.

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'. She is member of

different Committees in GCRI a) Assistant member secretary of Institutional Ethics Committee b) ICC: Chairperson (Upto November 2021). She served as Peer reviewer-Indian Journal of Gynaecological Oncology. She was Nodal Officer for Covid 19 at GCRI (Upto November 2021).

Public Services: The Department of Gynaecological Oncology conducts a well woman clinic daily at the hospital especially for early detection of pre-invasive and invasive cervical malignancy. Pap smear (conventional/liquid based cytology) and Colposcopy are performed free of charge. Biopsies are taken at nominal charge.

Camp Activities: Camps for early detection are conducted at various places in Gujarat including organizations such Vadsar Air Force, Lions Club Gandhinagar, Chiloda Air Force and distant places like-Surat, Gandhinagar, Savarkundla, Dahod, Palanpur etc. Total 23 camps were organized at various places in this year. Total 915 Pap smears taken in camps. All faculties, resident doctors and fellows as and when did various duties related to Corona Pandemic allotted by Director, GCRI.





GCRI Annual Report 2021-2022

D. MEDICAL AND PAEDIATRIC ONCOLOGY

Professor Emeritus: Dr Pankaj Shah, Dr Shilin Shukla
Professor, Head & Chief of Medical Oncology Unit I: Dr Harsha Panchal
Professor & Chief of Medical Oncology Unit II: Dr Apurva Patel
Professor & Chief of Medical Oncology Unit III: Dr Sonia Parikh
Associate Professor In charge of BMT (Part time practicing): Dr Sandip Shah
Assistant Professors: Dr Akansha Garg, Dr Kajal Shah, Dr Maharshi Trivedi
Junior Consultant: Dr Nitin Joshi
Junior Lecturer-Paediatrian: Dr Chinmay Doctor
Gastroenterologist: Dr Jigar Patel
Medical Officer-BMT: Dr Kamlesh Shah, Dr Kinnari Patel (till 17-11-2021)
Dr AmbikaVachhani, Dr Hardik Solanki



Clinical Services: The department of Medical and Paediatric Oncology provides comprehensive care for adult and paediatric patients with solid tumors and haematological malignancies.

Every year approximately 18000 new and referred adult patients are registered under medical department and approximately 100000 patients receive curative or palliative chemotherapy either as indoor (127 beds) or in day care center (46 beds).

The Indumati Kinariwala paediatric oncology center was established in 1992 and it was first of its kind in India to give care to pediatric patients in an ambient environment. Number of new and referred paediatric cancer patients registered at paediatric center annually is approximately 1100. Approximately 15000 children receive chemotherapy either as indoor or in day care center.

About 12000 minor procedures are performed annually. The center also has special OPD for care of central lines like PICC and Hickman.

During covid pandemic, the departmental faculty and DM students were actively engaged in the management of patients in ICU and wards of covid facility of GCRI. During this time total 1116 patients were covid positive and admitted for treatment in our facility. All students were posted round the clock on duty for indoor patients. The Head of Department is being deputed as In charge of COVID ICU since first wave of pandemic. Three Assistant Professors were involved in clinical management for taking rounds and monitoring of indoor patients.

Indoor Beds: Adult 76, Paediatric 34, Leukemia 22, BMT 4, Medical ICU 3+2 total 141 beds.



GCRI Annual Report 2021-2022

Details of Work Done	Adult	Paediatric	Total
Clinical Cases	10505	15449	12050
Outdoor: New + Refer	6	01165	5
Old	18309	10731	19474
Indoor: New + Old	79225	03553	96984
Procedures: Total	7563	4887	12450
Bone marrow aspiration / trephine bone biopsy	4192	1523	05715
Intrathecal & CSF studies	2743	3346	06089
Others (Pleural & Ascitic Fluid Aspiration)	628	0018	00746
Chemotherapy: Total	36389	5247	41636
Day Care Chemo-Room No. 7	35881	5247	41128
Day Care Chemo Special Ward	508		508
BMT: Total	37	00	37
Autologous	09	00	09
Haplo SCT	08	00	08
Matched sibling donor	20	00	20

Academic Activities: The department conducts academic sessions for DM students during grand rounds with faculty which includes case presentation, and other oncology topics under guidance of faculty, actively participate in clinical meetings, regularly participate in CMEs and webinar on oncology for post graduate students. Invite faculty for guest lectures and telecast of lecture series on webcast. Conduct trainings of medical officers and physician for chemotherapy administration and toxicities.

The department runs DM Medical Oncology super-specialty course attached to BJ 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 from 2010-19 and 9 students per year 2020 onwards.

There are 9 second year and 10 third year DM residents. They actively participate in outdoor services, chemotherapy planning, chemotherapy administration, day care procedures, indoor services, emergency services, documentation-data entry, case discussions, oral/poster 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, care of pediatric cancer patients and education programs for the rotators,

undergraduates and new comers. There are 9 DM Oncology students per year from 2020 onwards.

Research activities: The department has a dedicated clinical trial wing. It was established in 1996. The department has undertaken research projects supported by GCS, ICMR and pharmaceutical companies. There are more than 150 clinical trials have been conducted and more than 1500 patients have been treated. The entire faculty and clinical research staff is ICH-GCP trained. The department works to ensure that opportunities for collaborative research are maximized and that research is rapidly and efficiently translated into cutting-edge clinical treatment for cancer patients. The department conducts regular training for its staff on Good Clinical Practice (GCP) workshop, regulatory guidelines, etc. The clinical trial wing has 2 clinical research assistants, 1 clinical research coordinator and 1 social worker.

Achievements: Dr Sandeep Shah received Dr Shilin N Shukla Medical Oncology Oration award in March 2022. He was speaker in various national and international webinars.

Dr Harsha Panchal was invited as guest speaker for Web series on COVID and Cancer by APAC news network on May 22, 2021. She was deputed as In-charge of COVID ICU GCRI facility during Covid-



GCRI Annual Report 2021-2022

19 pandemic. She was coordinator of web based MDT on Her2 positive breast cancer and speaker on neo adjuvant chemotherapy in Her2 positive breast cancer on September 1, 2021. She was Program Director and moderator on a webinar Pink connect: changing landscape in Her2 positive breast cancer on October 20, 2021 and a webinar Onco-bridge: Personalized treatment in NSCLC: best practice sharing from clinic on November 24, 2021. She delivered Breast Cancer Awareness talk at Railway Head Quarters, Western Railway, Naroda on March 8, 2022.

Dr Apurva Patel is the Chief Editor of Frontier Journal 2022.

Dr Sonia Parikh has successfully completed Online certificate course entitled 'Basic course in

Biomedical Research' conducted by ICMR and NIE in March-June 2021 with score of 83%. Online certificate course: On current regulatory requirement for conducting clinical trials in India for investigational new drug /new Drugs (version 3) on February to April 2021 (8 weeks) with score of 81% conducted by NPTEL funded by Ministry of HRD, Government of India.

Dr Akanksha Garg has delivered a talk on prophylaxis and treatment of invasive fungal infections in Hemato-oncology, webinar under aegis of Mumbai Hematology Group on August 1, 2021.

Dr Kajal Shah was a speaker of web-based MDT on Her2 positive breast cancer on September 1, 2021.





E. PALLIATIVE MEDICINE

I/c Dy. Director (16.11.2021 onwards), Professor & Head: Dr Priti Sanghavi

Associate Professor: Dr Bhavna Patel

Assistant Professor: Dr Ravi Umrana

Dieticians: Devanshi Chandarana, Divya Patel



Clinical Services:

Inpatient Service: Department of palliative medicine has been allotted 10 dedicated beds and 20 shared inpatient beds. Bed Occupancy Rate (BOR) is 80%. Inpatients from all other specialty are referred to us for pain management, other symptoms control and for advance care planning. On rounds, we manage their symptoms and psychosocial issues.

Outpatient Service: We see about 80-120 patients per day in our OPD. We provide pain management and symptom management. Counselling of all patients is done for their psychosocial and spiritual issues. We also do counselling of patients, family and caregiver regarding breaking bad news, collusion, disease status, prognosis, nursing care,

dietary advice and for oral hygiene etc. We also see patients in ICU and emergency department.

Homecare Service: We do 2-3 home-visits per day for 5 days a week (GCRI-3 days and COC-2 days), for homebound cancer patients residing within city of Ahmedabad and Gandhinagar.

Hospice Service: We admit cancer patients requiring palliative care and respite care at hospice, COC, Vasna. We visit hospice center frequently as per requirement, to see admitted patients and for training of medical and paramedical staffs. Resident doctors are given clinical rotation at hospice for one month per year.

Details of Work Done	Number
OPD: New Patients	6533
OPD: Follow up Patients	16704
Procedures	526
Indoor Patients attended	1909

Details of Work Done	Number
Home Visits	182
Admissions to Hospice, Community Oncology Centre, Vasna	314



GCRI Annual Report 2021-2022

Research Activities: Morphine vs Methadone in pain management of advance cancer patients. Prevalence of delirium in advance cancer patients in hospice centre and outcome after palliative intervention. Identifying the need of palliative care in emergency department at the state cancer care centre. Impact of early palliative care in patients having brain tumor. Use of indwelling peritoneal catheter for the management of recurrent ascites in patients having terminal cancer. Translation and linguistic validation of tools used to study the “Impact of Early Palliative Care” in patients having brain tumors.

Major Achievements: Dr Priti Sanghavi interviewed by many newspapers of the country regarding awareness about palliative care on World Hospice & Palliative Care Day. Her article on ‘Palliative care for the hearing disabled’ was featured in IAPC newsletter as well as published in the ‘e hospice India edition’ and also in Global e

news on the World Hearing Day, the theme for this year is ‘To hear for life listen with care’.

Dr Varun Yadav & Dr Lekha Raval, Second Year Residents won First Prize in Quiz in 29th International Conference of Indian Association of Palliative Care (IAPCON-2022) held at Jaipur, February 11-13, 2022.

Dt Devanshi Chandarana & Dt Divya Patel celebrated National Nutrition Week on September 1-7, 2021 with the theme of ‘Feeding smart right from the start’ at the Institute.

Public Services: Dr Bhavna Patel, Dr Ravi Umrانيا, all resident doctors, counsellor and nursing staff took active participation in education & training of medical officers and nursing staff during various training conducted by Department. They also took active participation in practical training of care givers arranged by Sanjivani NGO.





F. ONCOPATHOLOGY

F1. HISTOPATHOLOGY, CYTOLOGY, BIOCHEMISTRY, HAEMATOLOGY

Professor & Head: Dr Priti Trivedi

Associate Professors: Dr Dhaval Jetly, Dr Trupti Patel, Dr Biren Parikh

Assistant Professors: Dr Beena Brahmhatt, Dr Amisha Gami, Dr Majal Shah, Dr Jyoti Sawhney, Dr Ashini Shah, Dr Vibha Vyas, Dr Jahnavi Gandhi, Dr Nainesh Menat, Dr Shailee Mehta, Dr Rujuta Shah, Dr Satarupa Samanta



Clinical Services: Oncopathology Department is Heart of our Cancer Hospital. Oncopathology Department is NABL Accredited. Department is well equipped with highly sophisticated and state of the art instruments. Department provided services like Histopathology intraoperative frozen section, Haematology, Biochemistry, Cytology, Immunohistochemistry & Flowcytometry. The DM Oncopathology Course has been started from the year 2019 with 8 seats, out of total 15 seats all over India. Department participated in two different EQAS Programme regularly.

Academic Activities: Practical / Theory training to Doctors for DM degree, post-graduate students/doctors coming from various other hospitals (Fellowship, Observership / Rotation ship). Practical / Theory training to post-graduate students for 'Diploma Medical Laboratory Technology Course'.

Major Achievements: Diagnostic services are crucial to patient management and the department of

Oncopathology has been serving as strong backbone to the institute. Cervical cancer, being the 2nd most common cancer in females, makes it's screening even more crucial.

On September 17, 2021, the birthday of our Honorable Prime Minister, Cervical Cancer Mega Screening Camp was organized by joint effort of Government and GCRI, in which 8500 women from 8 major districts of Gujarat State were screened and this achievement was recorded in the United World book of Records-USA and World Book of Records-London. The Cytotechnicians and supportive staff, along with doctors from the department of Oncopathology, who worked tirelessly behind the scenes, made a major contribution in making this achievement possible.

The Cytopathology section of the Oncopathology department is going to start a new test to detect High Risk- HPV on Liquid based Cytology material using RT-PCR method.



GCRI Annual Report 2021-2022

Central Laboratory - Haematology

Details of Work Done	Number
CBC+DC	145288
DC Manually	67989
ESR	3295
Urine Examination	7727
Urine BSBP	7727
PS/Indices	4016
PT	32044
APTT Test	31498
Plasma Fibrinogen	4148
FDP	1279
G6pd	543
Fetal HB	15
Le cell	2
Sickle Test	18
Sucrose Lysis	9
Osmotic Fragility	5
RC	2744
CSF Examination	235
Pleural Fluid	161
Ascitic Fluid	196
Other Fluid	18
Stool Examination	644
B.J. Protein	2
Bone Marrow	3935
Bone Biopsy	2021
Pas Stain	737
Sudan Stain	744
Iron Stain	86

Details of Work Done	Number
Iron Stain	86
Retic Stain - BM	2509
D-Dimer	4083
TOTAL	323717

Central Laboratory - Biochemistry

Details of Work Done	Number
Blood Sugar	52198
S. Acetone	73
BUN	110834
S. Creatinine	114171
S. Electrolytes	129585
S. Alk. Phosphatase	69306
S.G.O.T (Ast)	93383
S.G.P.T (Alt)	93419
S. Total Protein	77690
S. Albumin	72790
S. Bilirubin Total	93874
S. Bilirubin Direct	93874
S. Uric Acid	20486
S. Calcium Total	26105
S. Megnesium	22839
S. Inorganic Phosphorus	19757
S. Lactate Dehydrogenase	61127
S. Amylase	1071
S. Lipase	308
S. Iron	949
S. Uibc	771
S. Cholesterol	1596
Triglyceride	1627



GCRI Annual Report 2021-2022

Details of Work Done	Number
HDLD	1514
HBA1C	2855
ADA	109
Fluids	630
24 Hrs.Urinary Protein	33
S. Immunofixation	559
S. IgG	561
S. IgA	495
S. IgM	494
S. Light Chain Kappa	571
S. Light Chain Lamda	568
Methotraxate (MTX)	1511
Cyclosporin (Cyclo)	549
Total	1168934

Endocrinology - Immuno Assay Tests

Details of Work Done	Number
Alpha Fetoprotein (AFP)	2540
Carcinoembryogenic Antigen	4187
CA-125	3624
Prostate Specific Antigen (PSA)	1362
CA-19.9	2635
CA-15.3	303
Human Epididymal Protein 4 (He4)	1664
Human Chronic Gonadotropin (B-HCG)	1594
Follicle Stimulating Hormone (FSH)	699
Leutinizing Hormone (LH)	598
Prolactin (PRL)	357
Estradiol (E2)	555

Details of Work Done	Number
Testosterone (T)	347
Cortisol	498
Growth Hormone (GH)	245
Thyroid Stimulating Hormone (TSH)	6814
Total T3	5787
Total T4	5789
Free T3 (FT3)	2275
Free T4 (FT4)	2575
Parathyroid Hormone (PTH)	595
Thyroglobulin (TG)	633
Vitamin B-12	1824
Vitamin D Total	1455
S. Ferritin	3829
S. Folate	818
New Tests	
Procalciton (PCT)	2200
B2 mg	114
Total- IM	55916
Total - CHE	1168934
Total	1224850

Histopathology Laboratory

Details of Work Done	Number
Total Biopsies	15228
Total Slides Biopsies	19096
Total Operative Specimens	3255
Total Number of Slides (Operative Specimens)	71750
Total Biopsies & Specimens for Review	6587



GCRI Annual Report 2021-2022

Details of Work Done	Number
Total Biopsies & Specimens for Review	6587
Total Number of Slides (Review Specimen and Biopsies)	19929
Total Number of Frozen Specimens	2490
Total Number of Frozen Slides	13938
Number of Special Stain + Cyto Block	23538
Total Number of Biopsy and Specimens	18483
Total Number Slides (Bx + Sp + Review + Frozen + Sp. Stain + Recut)	148050

Cytology Laboratory

Details of Work Done	Number
Pap Smear + LBC	2524
FNAC	1917
Fluid Cytology + Cyto Block	4114
Outside / Camp Pap Smears	5288
Total	13843

Major Achievements: The department has received Vimla Agrawal Rotating Trophy for maximum publications among Clinical Departments for the year 2020, and Vimla Agrawal Runner-up Trophy for the years 2019 and 2021 during Hospital Day Celebrations on April 23, 2022.

Dr Biren Parikh has successfully completed online Basic Course in Biomedical Research as mandated by the National Medical Commission (NMC) in March 2021.





GCRI Annual Report 2021-2022

F2. BLOOD BANK

Blood Transfusion Officer: Dr Rima Kusumgar

Medical Officer: Dr Bhargav Pandya, Dr Shyam Sunder



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 screening machine,

column agglutination [Gel-technology] for cross matching, Electro Chemiluminescence immunoassay for testing of transfusion transmitted disease testing, Apheresis machines, Blood Irradiator, Fully Automatic Component Separation Machine like: G5 and for leukoreduction of Components which prevents the blood transfusion reactions. Apheresis procedures includes plateletpheresis, therapeutic Apheresis and Peripheral Blood stem cell collection.

Details of Work Done	Number
Donor Area	
Blood Tapping	11575
Replacement Donors	8699
Voluntary Donors	2876
Single Donor Platelet + other apheresis	2161
Outdoor Camps	0032

Details of Work Done	Number
Transfusion	
Whole Blood + PCV (Packed Red Cell)	15451
PC (Platelet Concentrate)	11567
FFP (Fresh Frozen Plasma) + Stored Plasma	6266
Single Donor Platelet	2161
Autologus & Allogenic BM collection & Therapeutic apheresis	67



GCRI Annual Report 2021-2022

Tests	For Patients	For Donors
Blood Groups (Automation + Manual)	40807	34713
Coomb's Test (IAT + DAT)		399+399
Du Test for weak antigen		993
Cross Match		24118
HbsAg		14472
HIV		13462
HCV		14570
VDRL		14502
Malarial Parasites		13736

Academic Activities: MD (Transfusion Medicine) Students from all medical colleges of Gujarat, and Doctors and Technicians from all over Gujarat are coming for training of component separation and apheresis procedures.

Public Services: Organized 33 blood donation camps.





GCRI Annual Report 2021-2022

F3. CLINICAL MICROBIOLOGY

Assistant Professor & Lab Head (30-10-2021 onwards): Dr Foram Patel

Junior Scientific Officer: Dr Nilima Desai



Clinical Services: 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 & ICTC (from 1st January, 2022) and Biomedical Waste (BMW) management activities.

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. Also teaching and practical training of Medical Laboratory Technology students is done.

Antibiograms: Periodically antibiograms are taken out and issued to clinician for appropriate treatment of infections.

Details of Work Done		Number
Culture & Antibiotic Susceptibility	Aerobic	5208
	Fungal	98
	Blood (aerobic)	2495
	Blood (fungus)	1543

Details of Work Done		Number
Microscopy	Gram Stain	789
	H. pylori	30
	Z. N. Stain	813
	Pneumocystis Carinii Stain	124
	Wet preparation	839
	Auramine stain	244
	Calcofluor stain (Fungus)	146
Serology	S. Widal	466
	C-reactive Protein	6497
	CMV IgG	90
	CMV IgM	88
	HBeAg /anti HBeAg	396
	S. HIV	27073
	S. HBsAg	27138
S. HCV	26959	
B2 Micro globulin	78	



GCRI Annual Report 2021-2022

Details of Work Done		Number
Serology	anti HbS	130
	Hbc IgM	243
	S. Procalcitonin	4377
	Dengue test	625
	Malaria	549
	Chikungunya	372
	Clostridium defficile Toxin A & B	80
Molecular tests	CMV - Qualitative	5
	CMV - Quantitative	404
	EBV - Quantitative	34
	HBV - Quantitative	596
	HCV - Quantitative	138
	HSV - Qualitative	16
Surveillance	Surveillance in Critical Areas (No. of times)	6488
Covid (RT-PCR)		28839
Covid IgG Ab		1460
Total		145470

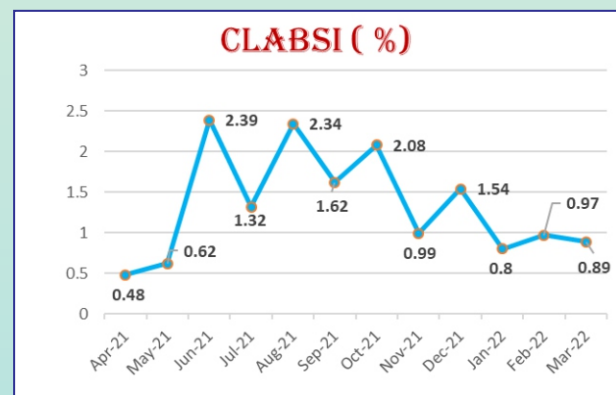
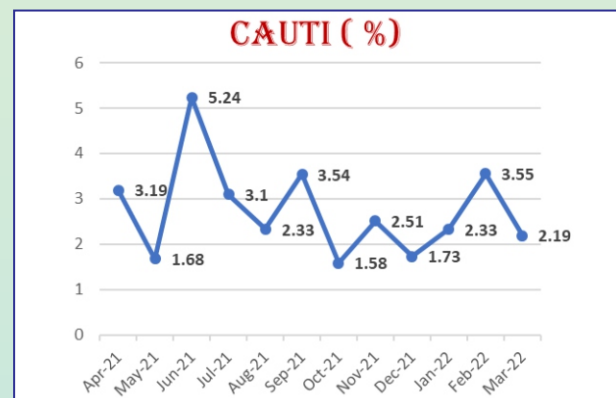
Non-Clinical Services

Infections Prevention and Control activities in GCRI	
Staff	
Mrs Jyoti Chavda	Infection Control Nurse
Mrs Praisey Rathod	Infection Control Nurse

Training: Total number of training programs conducted was 81 at different occasions in the current year for nursing staff (48) and housekeeping employees (33). Topics covered were Standard precautions, needle stick injury and management, Bio-Medical waste management, Hand hygiene, sterilization, etc.

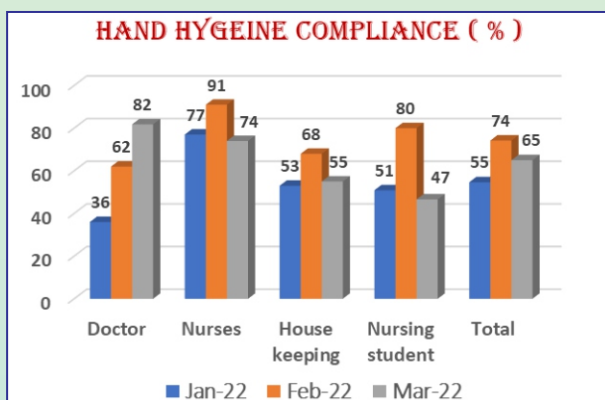
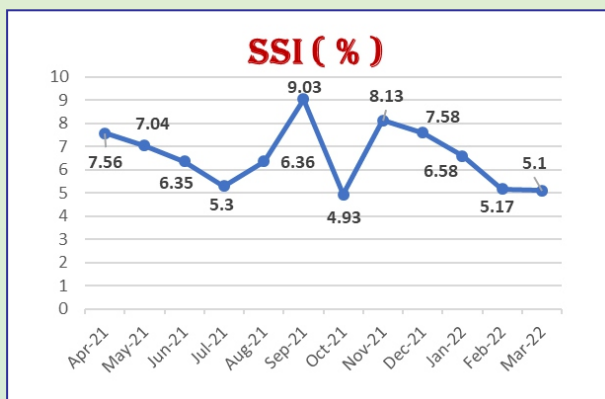
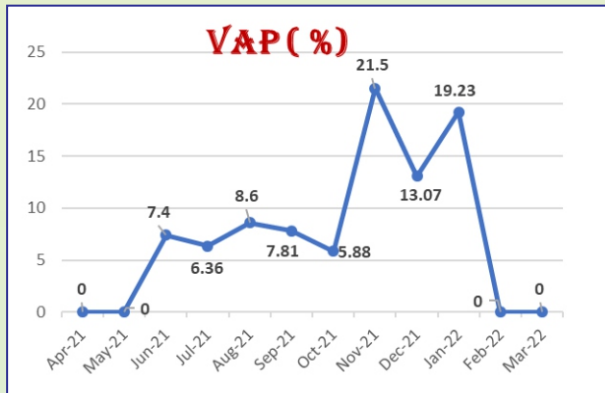
Other Activities: Monitoring practices done by CSSD & TSSU: The checks on surgical instruments cleaning, washing packing & sterilization process are done every day. Sterilization controls are done by using Process Integrator (PI) to make sure sterilization within the packs / dressing trays and drums, 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. For critical areas like OT, DSU, BMT, NICU, SICU, Post-op wards are frequently fumigated & surveillance done as per request. A very cautious vigilance has 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. Additionally, hand hygiene compliance is also measured as per WHO form. It is clear from the data that stringent measures are taken to control infections.

Quality Indicators of Health Care Associated Infections





GCRI Annual Report 2021-2022



Biomedical Waste Management

Biomedical Waste Management Activities	
Staff actively involved	
Mrs Leena Bhatt	Staff Nurse in-charge for monitoring waste management
Mr Donald Christian	Sanitary Inspector
Mr Jignesh Patni Staff of out source agency	Sanitary Inspector

The Hospital Waste Management Committee was formed for monitoring these activities. 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.

FICTC (Facility Integrated counseling and Testing center) / ICTC (From 1st Jan 2022)

Active staff involved	
Mr. Krunal Solanki	Counselor
Ms. Bhavna Parmar	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 admitted patients (Medical, Surgical and Gynec patients etc.).

Qualified and trained counsellor staff members who provide HIV counselling run FICTC-GCRI. Laboratory technician is also trained under the regional NACO centre of Civil Hospital. The National AIDS Control Organization (NACO) supports the FICTC and it is now upgraded to ICTC from January 2022.

Counsellors: The counsellors are 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



GCRI Annual Report 2021-2022

- Be available in the ICTC 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 ICTC.
- Report on a regular basis to Head of ICTC centre of GCRI

Academic Activities: Dr Foram Patel awarded PhD degree from Gujarat University in December 2021.

Public Services: Infection Control Surveillance for GCRI. Infection Control Surveillance for Sadvichar Parivar Hospital (Outside GCRI). FICTC / ICTC for GCRI patients.

ICTC data of HIV Patients (April 2021-March 2022)

Total Patient Counselling		10412
	Number	Percentage
Pre Test	10205	82.75
Post Test	207	17.25
Common Route of Transmission in reactive patients		
Sexual Transmission	50	24.15
Through Blood & blood products	15	7.24
Re usable items	53	25.60
Parental Transmission	1	0.48
unknown	88	42.51
Different Areas (states) of reactive patients		
Gujarat	135	65.21
Rajasthan	17	8.21
Maharashtra	2	0.96
Madhya Pradesh	15	7.24
Others	38	18.35
Status when diagnosed		
Newly Diagnosed	47	-
Already Positive	77	-
Refer to ART	47	-
Paediatric Post-Test done	10	-
Adult Post-Test done	2365	-

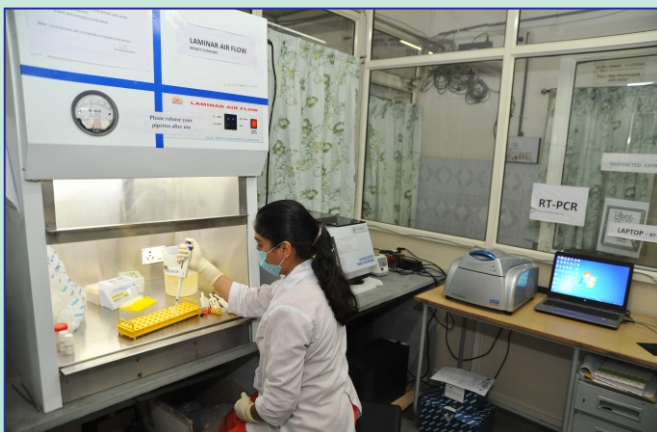
Details of Work Done		Number
Culture & Antibiotic Susceptibility	Aerobic	5208
	Fungal	98
	Blood (aerobic)	2495
	Blood (fungus)	1543
Microscopy	Gram Stain	789
	H. pylori	30
	Z. N. Stain	813
	Pneumocystis Carinii Stain	124
	Wet preparation	839
	Auramine stain	244
	Calcofluor stain (Fungus)	146
Serology	S. Widal	466
	C-reactive Protein	6497
	CMV IgG	90
	CMV IgM	88
	HBeAg /anti HBeAg	396
	S. HIV	27073
	S. HBsAg	27138
	S. HCV	26959
	B2 Micro globulin	78
	anti HbS	130
	Hbc IgM	243
	S. Procalcitonin	4377



GCRI Annual Report 2021-2022

Details of Work Done		Number
Serology	Dengue test	625
	Malaria	549
	Chikungunya	372
	Clostridium defficile Toxin A & B	80
Molecular tests	CMV - Qualitative	5
	CMV - Quantitative	404
	EBV - Quantitative	34
	HBV - Quantitative	596

Details of Work Done		Number
Molecular tests	HCV - Quantitative	138
	HSV - Qualitative	16
Surveillance	Surveillance in Critical Areas (No. of times)	6488
Covid (RT-PCR)		28839
Covid IgG Ab		1460
Total		145470





G. RADIODIAGNOSIS

G1. IMAGING SERVICES

Professor & Head: Dr Hitesh Rajpura

Professor: Dr Himanshu Soni

Associate Professors: Dr Saumil Desai, Dr Drashty Rathod, Dr Sanjeev Patel

Assistant Professor: Dr Sapna Patel

Visiting Interventional Radiologist: Dr Ajay Upadhyay (2 days / week)

Dr Trupti Mehta (2 days / week)

Visiting Interventional Radiologist: Dr Milan Jolapara



Clinical Services: The department is fully equipped with 500 MA Siemens X-ray units, Siemens IITV guidance Fluoroscopy machine, Mammomat - Mammography 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, Digital Radiofluorography High-end Ultrasonography-Epic5 (2) and affinity 70 (1), CT Somatom 16 Slice, Digital Mammography, Digital Radiography, Portable Digital Radiography system. High end USG machine and 3T MRI Machine.

The Department of Radio-diagnosis conducts radiological part of health check-up 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 camp and health check-up programme managed by institute.

The department also participate in GCRI academic meetings.

Details of Work Done	Number
X-RAY (Plates)	44904
IVP	6
USG	16534
USG Portable	428
CT Scan	23463
Mammography	1685
Barium Swallow	7
Barium Meal	1
USG Guided Biopsy	2122
CT Guided Biopsy	644



GCRI Annual Report 2021-2022

Details of Work Done	Number
Pleural Tapping	697
Ascites Tapping	392
MRI	4727
Color Doppler	1020
PTBD	85
RFA	13
CT Block	6
CT Angio	101
CT RT Planning	674
Loopogram	19
PTBD Dressing & Checking	78

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

Research: Patient data and images are maintained. The studies are published in national and international conferences.

Public Services: The department actively participates in Health check-up Programme organized at various parts of Gujarat State organized by GCRI. Also participates in Executive Health Check-up programme.

G2. NUCLEAR MEDICINE & PET CT

Senior Consultant and Associate Professor of Nuclear Medicine: Dr Vijay Gupta (Till 5.3.2022)

Senior Consultant of Nuclear Medicine: Dr Swati Rachh

Medical Officer: Dr Dhiren Rathod

Nuclear Health Physicist: Mr Om Prakash



Clinical Services: Gamma Scintigraphy, FDG-PET/CT Scan, low dose and high dose iodine

therapy and nuclear medicine clinic for follow up of thyroid cancer patients.



GCRI Annual Report 2021-2022

Details of Work Done	Number
PET CT SCAN	1856
I -131 therapy (Low Dose)	14
ISOTOP therapy (I131 therapy) (High Dose)	61
Bone	1309
Cardiac	0
Parathyroid	17
Silography	0
Thyroid Scan	118
Hida Scan	16
Dtpa Scan	209
DMSA	154

Details of Work Done	Number
DRCA	0
MIBG	0
Ec Scan	67
I-131 Whole Body / Iodine scan	107
DMSA-V	-
Gastric Emptying	0
Liver Scan	0
Muga Scan	0
Esophagus / Milk Scan	9
Hynitoc Scan	12
Sentineal Scan Node	79
Lympho Scan	2

Major Achievements: Best Service award for the year 2021 (Administrative wing /Para Medical

departments) in Hospital Week Celebrations 2022.





H. RADIATION ONCOLOGY

Professor & Head: Dr U. Suryanarayan

Professors: Dr Ankita Parikh, Dr Maitrik Mehta

Associate Professor: Dr Sonal Patel Shah

Assistants Professors: Dr Vinay Shivhare, Dr Satyajeet Rath, Dr Jayesh Singh

Dr Arun T., Dr Niranjan Dash, Dr Chinmay Prajapati, Dr Akash Pandya



Clinical Services: Daily OPD 9am to 5pm. Old Building: 3 Linear Accelerator equipped with conformal facilities like 3DCRT, IMRT, VMAT, IGRT, Extra Corporeal Radiotherapy. One Cobalt 60 (Bhabhatron) teletherapy machine, Microselectron HD Brachytherapy (Iridium 192), One Xray simulator. New Building: True Beam, Tomotherapy, Cyberknife, Flexitron (Cobalt Brachytherapy), CT Simulator.

Clinical Activities: The department is treating patients from nearby cities and also from Rajasthan, Madhya Pradesh, Maharashtra and Uttar Pradesh and has also started treatments like TBI, TMI (1), SRS (15), SBRT (3), DIBH (22), CSI (12) on new machines.

Details of Work Done	Number
OPD new + referral cases	357 + 5647
Cobalt teletherapy	421
Linear accelerators	3647
Brachytherapy	638

Academic Activities: Regular lectures on Wednesdays and Fridays participated by all MD resident doctors and faculty and bed side case presentation and discussion daily conducted in the department. There are departmental rounds everyday. The department runs CMRT course for 2 year Medical Radiation Oncology Technicians and MSc Medical Physics course.

Major Achievements: Dr Tasneem Nalavala received 2nd Prize in Prostate RAD-ONC CONCLAVE National Conference, held Virtual, on February 26, 2022.

Public Services: Dr U. Suryanarayana is Nodal officer of Siddhapur Cancer Care Center and maintaining the center. He is Technical expert at Saurashtra Cancer Care Center Rajkot and Bhavnagar Cancer Care Center. He is Technical expert and nodal officer of proton project.

Dr Ankita Parikh is Technical expert at Saurashtra Cancer Care Center Rajkot. She is Technical Expert and Nodal Officer of proton project.



GCRI Annual Report 2021-2022

Dr Maitrik Mehta is appointed as Nodal Officer for smooth functioning of Radiotherapy Department at Bhavnagar Cancer Care Center.

round and attending OPD patients, and planning, verification of patient's treatment plan at Siddhapur Cancer Care Centre.

Dr Vinay Shivhare, Dr Satyajeeet Rath, Dr Jayesh Singh, Dr Arun T, Dr Niranjan Dash, Dr Akash Pandya, Dr Chinmay Prajapati are taking weekly





I. SURGICAL ONCOLOGY

There are six Surgical Oncology Units (I1), and six Superspeciality Oncology Units (I2-I7), which are Plastic Surgery Oncology (I2), Urosurgery

Oncology (I3), Musculoskeletal Onco Surgery (I4), Paediatric Surgery Oncology (I5), Interventional Therapy Centre (I6), and Ophthalmic Surgery (I7).



General Surgical Oncology

Details of Work Done	Number
Major Surgeries	2829
Minor Surgeries	4947
Emergency Surgeries	401

Superspeciality Oncology

Details of Work Done	Number of Surgeries
Plastic Surgery Oncology	59
Uro Oncosurgery	125
Musculoskeletal Oncosurgery	325
Paediatric Oncosurgery	35
Ophthalmology Oncosurgery	6

I1. GENERAL SURGICAL ONCOLOGY

Director, Professor & Head: Dr Shashank J Pandya

Associate Professors: Dr Vikas Warikoo, Dr Mohit Sharma, Dr Abhishek Jain

Assistant Professors: Dr Umank Tripathi (till 12-7-2021), Dr Shailesh Patel, Dr Ketul Puj, Dr Priyank Rathod, Dr Abhijeet Salunke

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 2049

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



GCRI Annual Report 2021-2022

of surgery. The department is involved in diagnostic perioperative care, follow up and care of terminally ill patients.

Clinical Services: 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 M.Ch 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.

12. RECONSTRUCTIVE (PLASTIC) SURGERY

Visiting Plastic Surgeons: Dr Hemant Saraiya, Dr Parag Kothari
Full Time Plastic Surgeon: Dr Pritam Patil

Clinical Services: Apart from attending OPD once a week, reconstructive surgeries are done in main operation theatre twice per week. In this period total 55 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 requires reconstruction of lost body parts and guides them about prosthesis.

Academic Activities: The department is also actively involved in teaching programme of M.Ch students including dissertation submission and internally case presentations in the Institutional clinical meetings.

13. UROSURGERY ONCOLOGY

Visiting Urologist: Dr Keval Patel

Clinical Services: The department offers services in OPD, operation theatre and day stay unit. In this period total 114 surgeries were performed. They examine, investigate and treat patients of urogenital cancer.

Academic Activities: The department is also actively involved in teaching programme of M.Ch students including dissertation submission and internally case presentations in the Institutional clinical meetings.

14. MUSCULOSKELETAL ONCOSURGERY

Assistant Professor: Dr Abhijeet Salunke

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 243 surgeries were performed.

Academic Activities: The department is also actively involved in teaching programme of M.Ch students including dissertation submission and internally case presentations in the Institutional clinical meetings.



15. PAEDIATRIC ONCOSURGERY

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 45 surgeries were performed.

Academic Activities: The department is also actively involved in teaching programme of M.Ch students including dissertation submission and internally case presentations in the Institutional clinical meetings.

16. INTERVENTIONAL THERAPEUTIC CENTRE (IVTC)

Full Time Gastroenterologists: Dr Shreya Butala (till 11-11-2021),
Dr Neil Palkhiwala (till 1-11-2021)

Clinical Services: The IVTC Department under surgical oncology department is high volume centre for endoscopy services and includes advanced endoscopy like ERCP & Pleuroscopy. It conducted around 4243 procedures in period from April 2021 to March 2022, which includes more than 3054 diagnostic endoscopy and 1189 therapeutic

endoscopy as well as more than 324 advanced endoscopy procedure including ERCP. It covers many therapeutic procedures like dilatation, EVL, sclerotherapy, balloon dilations, polypectomy and endoprosthesis deployment. The department has also been imparting training programme for those interested in learning endoscopy.

Details of Work Done	Number
UGI scopy	1715
Colonoscopy	779
RT Insertion / I.L.R.T.	207
Dilatation	299
PEG / NJ	3
EVL	210
Glue / Sclerotherapy	11
Endoprosthesis	15
ERCP / Stent removal	324
Bronchoscopy	560

Details of Work Done	Number
Pleuroscopy	26
EUS	33
SVE	27
Achallasia Ballon dilation	10
Only biopsy	18
Block	1
Polipectomy	4
Entroscopy	1
Total	4243



GCRI Annual Report 2021-2022

17. OPHTHALMIC ONCOSURGERY

Visiting Ophthalmic Surgeon: Dr Vaibhavi Trivedi

Clinical Services: The Department offers services in OPD, Operation Theatre and Day Stay, thrice per week. They examine, investigate and treat patients.

Details of Work Done	Number
Surgeries	6



Major Achievements: The department has received **Vimla Agrawal Runner-up Trophy** for publications among Clinical Departments for the year 2020, and **Vimla Agrawal Rotating Trophy** for the year 2021 during Hospital Day Celebrations on April 23, 2022.





J. NEURO ONCOLOGY

Full-Time Neurosurgeon: Dr Nikhil Modi

Medical Officers: Dr K. G. Patel, Dr Pratik Makwana, Dr Durgesh Kalal



Clinical Services: The Department is well equipped with two operation theatres. The navigation 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 and of all class of affording 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 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 textbooks and journals at the library. The department is also having interactions with other departments of the hospital, includes Surgical oncology, Plastic surgery, Medical oncology, Endocrine, Pathology, Radiation oncology, Radiology and Physiotherapy. 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 specialty of Neurosurgery at Gujarat Cancer & Research Institute.

Details of Work Done	Number
Selective surgery	1
Supra major surgeries	472
Major surgeries	124
Minor surgeries	92
Total	689



GCRI Annual Report 2021-2022

K. SUPPORT SERVICES

K1. GENERAL ADMINISTRATION AND HUMAN RESOURCES



**Director
GCRI**



**Deputy Director
(up to November 15, 2021)**



**I/C Deputy Director
(November 16, 2021 onwards)**

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. 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 complain. 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.

Outsourcing Services:

Human Resource Department looks after the Outsourcing Services, it includes Security Staff, Housekeeping staff, Utility Service Staff & Canteen facilities and diet for patients, Biomedical Waste Collection. Department also manages Outsourcing Services of other Centers of GCRI (Saurashtra Cancer Care Centre, Rajkot & Siddhpur Cancer Care Center, Siddhpur). Department also looks after the process of Tendering, evaluation, billing process of outsourcing services and regular monitoring of outsourcing services.



GCRI Annual Report 2021-2022

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. 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.



GCRI Annual Report 2021-2022

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



The functions of Account Department in organization is very vital. It shows a financial picture, health and stability of the entity. The role and duties of the department includes the following:

Planning: Prepare, implement and evaluate Budget. Liaison with Government for budget and their allied matters.



GCRI Annual Report 2021-2022

Money Out: Making payment to all parties / staff within due date which convert into credit building of the organization

Money In: Processing incoming payments and placement of fund for wealth maximization of the organization

Reporting: Prepare financial data and reports to comply with applicable laws. Make internal and external reporting in various forms.

Controls: To implement financial controls which avoid error, fraud, theft etc and run the organization as per approved policies.

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 and Rajkot Cancer Care Centre. 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.



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. Maintenance of Rajkot and Siddhpur Cancer Care Centre.

INFORMATION TECHNOLOGY SECTION



The Information Technology section is enabler for better patient services. IT team develops an IT strategy that supports the organization's objectives

and helps build a strong competitive advantage. IT team also ensures that the right level of IT resource is available to meet changing levels of demand. IT



GCRI Annual Report 2021-2022

team is focused on adaption of latest technologies, infusing new and cost effective ideas for ease of operations and patient centric facilities. Our road map is to move towards cloud based computing to minimize on premises IT infrastructure. Business Continuity Planning (BCP) and Disaster Recovery

(DR) Planning, Network security, Data Security, Data Protection, License compliance, Cloud based email system, Hospital Information Management System are the daily activity of Information Technology section.

RESIDENT MEDICAL OFFICER SECTION



**RMO
GCRI**

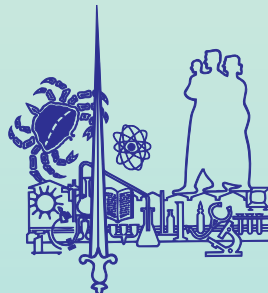


**RMO
GCRI**

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 PMJAY, MA Yojana, MA Vatsalya Yojana, SC / ST scheme, School Health Programme, support by other

- (4) NGOs, accommodation for patients' relatives around Civil Hospital campus etc.
- (4) They also conduct Patient Care Evaluation Meeting and decisions taken by the committees 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 happy that the largest number of cancer patients taking benefit of PMJAY, MA Yojana, MA Vatsalya Yojana.





GCRI Annual Report 2021-2022

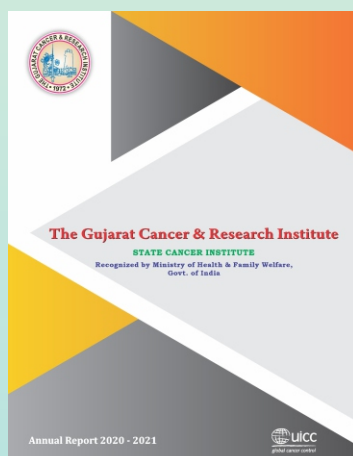
K2. EDUCATIONAL GRAPHICS & MEDICAL PHOTOGRAPHY

Chief of Photography & Publicity: Mr Rushi Patel



Services: 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 digital in-house production facility of educational material. The annual department workload includes more than 2500 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,

Certificates of various courses run by Institute, Various Forms, Registers and other Stationaries, Hospital Website photo & Graphic updates, Staff Identity Cards, Institutional Circulars and 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. Department staff also involves in designing community awareness material and make it understandable for lay people.





GCRI Annual Report 2021-2022

K3. LIBRARY & INFORMATION SERVICES

Librarian: Dr Nuri Kalita

Assistant Librarian: Mr Jagdish Gohel



Activities: The library covers approximate 186.2 square meter with two-floor building. GCRI Library services not only restricted within the print books, Journals, but also with a scenario of online databases, e-resources, bibliographic record, resource sharing, indexing, archival repository, automation, scientific publication resources, Digital-Library facilities etc. for easy accessibility to the users. Library is an academic nerve for the faculty members, resident doctors, medical scientists, PG, super specialty, PhD students and researchers. GCRI library is fully automated SOUL software with barcoding facility. All the hardcopy of books are laminated with plastic cover. Books & Library materials arranged in open access user-friendly system and DDC classification is used for classification of all the library books and other materials.

GCRI Library providing value added services to their users that means right information to right person in a right way. The main purpose of GCRI library is to support medical education, including teaching and research with special focus on improved patient care and academic credit. To fulfill all the expectation of user groups, GCRI Library is providing various services viz Digital

library, Digital notice board, Audio-Video facility, High speed Internet & Wi-Fi facility, E-mail service, borrowing facility, Current awareness service, SDI, Alert services, Staff Library of non-medical books, Computer labs, Reading room facility etc.

Library and Information Service division work with mission to set high standards of excellence in the preservation of knowledge and serve as an effective instrument of the faculty members, Resident Doctors, Students, Clinicians, Paramedical staff, and Research Scientists for support academic, research and patient care development activities. It is comprehensively the scientific, evidence, academic syllabus, and other information to help medical super speciality and other academic programs. The department not only helps in supporting the Institute running academic programmes, but also evolves the horizon of knowledge regarding the different research programmes carried out by the Institute.

Collection Building: The central Library of GCRI is under CCTV surveillance. There is total 18 nodes with high-speed broad-band internet facility. Also, installed Wi-Fi facility in the library premises. During year 2021-2022, GCRI library has added 59



GCRI Annual Report 2021-2022

new oncology book titles and 35 international & national print journals. Continue subscription of online medical database UpToDate for the year 2021-2022. Renewed Union for International Cancer Control Institutional (UICC) membership for the year 2022. Access facility to OVID, Akshara Discovery tool and Clinical Key through Hospital static IP by forming part of NCG. For promotion of academic integrity, GCRI Library supports to check plagiarism activity through use of anti-plagiarism software 'iThenticate' NCG platform.

Details of Work Done	Number
Database uses statistics for Up to Date Medical Database	34564
Reprography services for Xerox, Print and Scanning record	42239
Digital Library Users statistics	12724
Issue/Return of books	929
Email Services : Circulated office circular and other academic information	798
Visiting register record for reading, reference, and other activities	4071
Collection of Scientific published research articles	91
Archived of Thesis, Dissertation and Logbook,	105
Library new Membership	55
Research Help: Plagiarism report	122
Article on request for full text	99
Subscription of International and National Print Journals-2022	35
New oncology title purchased-2022	59

Major Achievements: Dr Nuri Kalita, has been awarded the Doctor of Philosophy (PhD) degree in the subject of Library & Information Science from Veer Narmad South Gujarat University, Surat Gujarat. Dr Nuri Kalita has conducted Induction Program and given presentation to newly joined GCRI staff members on March 23, 2021, October 26, 2021, and February 23, 2022.

Training Organised: Dr Nuri Kalita, has organized training and live demo sessions on regular basis to PG and super specialty residents doctors and give guidelines how to search, use, and access renew the UpToDate, & Clinical Key database through remote login and Institute campus use.

Activity of Library Advisory Committee:

- To hold meetings to discuss important issues of library activities and develop the library collection building.
- To prepare proposal and allocation of library annual budget.
- To guide the Librarian in formulating general library policies and regulations, this governs the function of the library and take action for violation of library norms.
- To work towards modernization and improvement of library services by installing new services, software's, and electrical infrastructure.
- To review library readers report and work measures to enhance readership in the library.





GCRI Annual Report 2021-2022

K4. NURSING SERVICES

Deputy Nursing Superintendent: Mrs Mona Darji
I/C Matron Grade I: Mrs Manisha Katara



Clinical Services: It is provided at CVC Care Center, PICC, Hickman, Central line Dressing Care and Management, as well as Port Needle Insertion

and Dressing. Also explain patients to maintain hygiene.

CVC Care Center	
Details of Work Done	Number
Total Dressing	5486
PICC insertion	351
Hickman Catheter Insertion	51
Port Catheter Insertion	71
Port Needle Insertion	1741
Removal	250

Chemotherapy, Blood Transfusion & Other Procedure Data	
Procedure	Number
Total Chemotherapy	41128
Total Procedure	13991
Blood Transfusion	3642
Total	58761

Chemotherapy Day Care Data	
Minor O.T.	Number
Chemotherapy	35881
BT	2624
BMBX	2522
BBX	1670
IT	1642
CSF	1101
IPT	106
Cytogenetics	128
Plural Fluid Tapping	163
Ascitic Fluid Tapping	465
Extra	636
Total Chemotherapy Ward No-7, Procedures	8433



GCRI Annual Report 2021-2022

Details of Work Done	
Paediatric OPD	
Minor OT	
New Cases	1231
Chemotherapy	5247
BT	1018
Procedure	
BMBX	1109
BBX	414
IT	2257

Details of Work Done	
Paediatric OPD	
CSF	1089
Plural Fluid Tapping	15
Ascitic Fluid Tapping	3
IPT	304
Cytogenetic	227
Extra	140
Total	5558



परस्परं भावयन्तः श्रेयः परमवाप्स्यथ ॥ ३ : ११ ॥
 श्रीमद्भगवद्गीता
 परस्परं भावयन्तः कार्यो करतां रहीनो परमं कल्याणं प्राप्सुः कश्चिद्.
 श्रीमद् भगवद् गीता



K5. STOMA CLINIC

Head Nurse: Ms Nilamben Dave
Staff Nurse: S/N Zinikakarlin Christian



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 operative stoma marking to prevent future problem, (3) Selecting the stoma bags according to stoma size and applying on ostomy patients as well as faecal fistula drainage

patients, (4) Giving detail instruction and teaching about application of stoma bags and stoma management to patients and their relatives, (5) Giving Post-operative counselling and home going instructions, (6) Keeping detail record of Indoor and Outdoor patients, (7) Keeping detail record of various types of bags for indoor and outdoor patients, (8) Giving stoma wash as per doctor's order, (9) Teaching nursing students regarding stoma care and (9) attending patients which are referred from outside hospitals.

Detail of Work Done	Number
New Patients	386
Old Patients	2155
Number of colostomy bags	12842

Total Bags	Total no of Bags given	Total no bags given free
23150	10308	12842





K6. PHARMACY

Chief Pharmacist & Store Officer: Shweta Shah



Services: About 512 medicines are dispensed from pharmacy. The Pharmacy Computers are linked with all bill collection counters to know the day-to-day stock availability of medicines in pharmacy. Only outdoor patients (with Rx of Tablet/capsules) are supplied Medicines from ground floor room No.25, ground floor, A-Wing of New Building which is just near to Gynaecological Oncology OPD. Indoor Patients (Admitted in wards) are dispensed medicines from second floor (Dispensing Pharmacy for Indoor Patients) near to new BMT ward Room No. 210 which remain opened from 8:00 am to 8:00 pm. Day care patients are dispensed chemotherapy and its supporting drugs near to chemotherapy ward 4th Floor -A-Wing of New Building defined as Chemotherapy Pharmacy which remains opened from 9.00 am. to 9.00 pm. Online Pharmacy Management System has been implemented successfully for the pharmacy requirement of Siddhpur Cancer Care Centre, Saurashtra Cancer Care Centre, Rajkot and

Bhavnagar Cancer Care Center, Bhavnagar. Online Ward Indents system is implemented successfully and are supplied from Indoor Pharmacy located at Main Pharmacy, above Annapurna Canteen. All Departments as well as wards for their medicines requirement indents are supplied from main store - first floor above Annapurna canteen. Management of Pharmacy-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 - first floor above Annapurna Canteen. Patients of PMJAY Yojana, School Health Program and SC / ST category and other Post-Paid category patients are supplied costly drugs as well as surgical items / Ortho-surgical items free of cost as per the policy of Institute.

To provide better services to patients, the pharmacy services hours are remains open from 8.00 am to 9.00 pm.



K7. PHYSIOTHERAPY

Senior Physiotherapist: Dr Manali Shah
Physiotherapist: Dr Jasmin Khoja, Dr Shwetak Vasava



Clinical Services: The department renders services to both indoor and outdoor patients. Indoor services are mainly for postoperative phase who had undergone surgery or for patients who are on ventilators or tracheotomy patients. Outdoor services are mainly consists of preoperative chest physiotherapy, pain relief and rehabilitation. All patients undergoing for major operation are referred to this department. Electrotherapy has various pain relief modalities. Rehabilitation of paraplegics, quadriplegics, amputees, orthopedic condition like total knee replacement, hip replacement, rotationplasty and peripheral nerve injury. The department also treat pediatric 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, undergoing for BMT and lymph edema are treated over here. References to the department are received from all departments for preoperative & postoperative complications.

Physiotherapists provide maximum support to the patients who need functional independence. They teach exercise to the patients as per the need, safety and formulate the same to benefit the patients in an effective way. The skills of the therapist help the individuals to gain functional mobility.

Physical activity has shown tremendous improvement in cancer survivors. Higher the physical activity means lower the mortality rate in cancer patients. Generally, these patients show low levels of physical activity due to prolonged bed ridden illness.

Early physical activity leads to early movement of the patient. It also helps increasing the participation of the patient in the daily routine activities with decreased dependency on the care takers. It also helps to reduce functional difficulties related to work.

Details of Work Done	Number
Indoor patients	23396
Outdoor patients	3093

Academic Activities: Clinical teaching to B. Physiotherapy students of different self-finance colleges. Lecture an practical session for lymph edema management to the students of Palliative Care certificate course & GCRI resident doctors.

Public Service Offered: Dr. Manali Shah delivered lectures to students who are doing cancer caregiver course.



K8. PROSTHESIS & REHABILITATION

Assistant Medical Sculpture: Mr Dipan Soni



Clinical Services: The department prepares artificial limbs and organs, part of face and other prosthesis. The department mentioned below are made from silicone and Acrylic. A total of 873 patients attended for prosthesis and of them 450 were new patients and 423 were follow-up patients.

Academic Activities: Total 24 MDS students attended the department for one month training for external prosthesis of maxillo facial. Total 1613 MSc, BSc, GNM nursing students and tutors also come to learn about External Prosthesis, as it is one of the subjects of their curriculum. Patients are also given training of how to use the Prosthesis and are rehabilitated.

Details of Work Done	Number
Breast Prosthesis	850
Eye Prosthesis	15
Cheek Prosthesis	9
V Dilator	4
Ear	1
Lip shield	1
Total number of prosthesis	880





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 6 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 Saliva omics 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: Conventional Cytogenetics, FISH, Multi-color FISH, PCR, Real Time PCR, HLA Typing, Immunohistochemistry, Flow Cytometry etc.

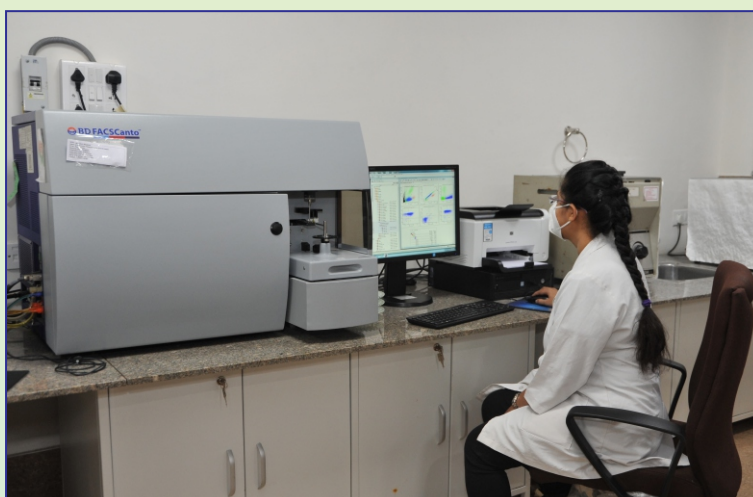
Department has got **NABL Accreditation** for all diagnostic testing done in various 6 laboratories.

Educational Activities: The department runs Post-Graduate Degree Courses such as M.Sc. (Cancer Biology) and Ph. D. (Life Science) in affiliation with Gujarat University. Training / Lectures to DM Students/Faculties of Oncopathology department.



L1. IMMUNOHEMATOLOGY LAB

Professor and Head, Cancer Biology Department: Dr Hemangini Vora
Junior Scientific Officer: Dr Kruti Rajvik
Research Assistants: Dr Birva Raiya, Dr Nupur Patel



Clinical Activities: The laboratory is well equipped with three Ventana Benchmark XT and one Benchmark Ultra automated stainer for immunohistochemistry work and FACS Canto 10 colour flow cytometer for leukemia/lymphoma immunophenotyping. Evaluation of

immunohistochemical markers for differential histopathological diagnosis and predictive markers such as ER, PR and Her-2-neu has been carried out at the lab. Immunophenotyping of leukemia / lymphoma has also been carried out along with PNH and CD34 evaluation.

Details of Work Done	Number of Tests	Number of Patients
Immunohistochemistry		
Immunohistochemistry Markers	31315	4524
Estrogen and Progesterone receptors (ER/PR)	2976	1420
Her-2-neu	1477	1404
Total	35768	7348
Flow cytometry		
Immunophenotyping	13127	992
CD 34 percentage	58	116
PNH	69	414

Details of Work Done	Number of Tests	Number of Patients
Total	13254	1522
Research work		
IHC Markers	1700	650
Flowcytometry Markers	50	50
miRNA microarray	48	48

Academic Activities: The division is involved in teaching of MSc Cancer Biology, and PhD students. The division enrolls MSc students of other institutes, Finishing School Students, MDS, MD and DM students as observers.

Research Activities: The main areas of research include development of cost effective protein panel



GCRI Annual Report 2021-2022

by CGH array and transcriptome sequencing of triple negative breast cancer. Development of miRNA based gene panel in triple negative breast cancer. Further, study of role of Notch receptors signaling, heterogeneous tumor microenvironment and immune escape mechanism of TNBC and manipulation/targeting of inhibitory immune molecules. Establishment of new predictive markers (PDL1, EML4-ALK) and T-ALL MRD are

ongoing. Flow Cytometry based B-ALL MRD detection is accomplished.

Major Achievement: Lab has received **Vibha Mehta Runner- up Trophy** for research publications for the year 2019, and **Vibha Mehta Rotating Trophy** (shared) for maximum research publications for the year 2020 during Hospital Day Celebrations on April 23, 2022.

L2. MOLECULAR DIAGNOSTICS AND RESEARCH LAB I

Associate Professor & Lab I/c: Dr Nandita Ghosh
Research Assistants: Dr Toral Mandalia, Dr Kinjal Gajjar



Clinical Services: HLA Typing Tests for determination of Class I and II HLA typing antigen A-B-DR in patients who are recommended for bone marrow transplantation such as thalassemia and blood cancer. It is being performed by PCR SSP analysis, in a 96 well plate format, comprising

different allele- or sequence- specific primer sets in each well along with the primers for amplification of sample's internal control. Evaluation of the results is done by agarose gel electrophoresis and subsequently interpreted using online software.

Detail of Work Done	Number
Clinical Work	
HLA Typing Tests	194
Research Work	
Real-time PCR (mRNA)	150
IHC staining for dissertation	140

Academic Activities: The laboratory participates in various academic activities of the institute. They comprise of seminars of the department, and M.Sc. Dissertation students. Moreover, the laboratory is actively involved in M.Sc. Cancer Biology course. Lectures and practicals for students of M.Sc. Cancer Biology are being organized by the laboratory.

Research Activities: At present, the research activities of this laboratory is carried out in



GCRI Annual Report 2021-2022

colorectal and ovarian cancer with the focus in studying the clinical relevance of multiple biologic markers by fully exploiting the genetic and epigenetic machinery involved in the initiation and progression of cancer using recent technologies. In epithelial ovarian cancer, miR-200a and miR-200c have been evaluated to identify their subsequent relevance in patient management. Moreover, the role of different molecular markers like-KRAS, BRAF, B-catenin, PIK3CA, ERCC1, IGF-1R, PTEN p53, as well as miR-200b and miR-141 of miR-200 family will be explored in epithelial ovarian cancer. Additionally, cancer Stemness molecules like Beta

catenin, Notch-1, Notch-3, SMO and Gli-1 will be studied in epithelial ovarian cancer. The prevalence of the mRNA expression profiling of tumor DNA mismatch repair (hMLH1, hMSH2, hMSH6, and PMS2) genes, methylation status of MLH1 gene and mRNA expression profiling of inflammatory cytokines (TNF α , IL-6 and IL-1 β) will be studied in colorectal cancer patients. 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.

L3. MOLECULAR DIAGNOSTICS AND RESEARCH LAB II

Assistant Professor & Lab I/c: Dr Trupti Trivedi



Clinical Services: Diagnostic test of IDH1/2 mutations, IDH1 R132H mutations and MGMT Promoter Methylation for glioma patients using

Real-Time PCR since it is essential for molecular classifications and prediction of response to therapy.

Details of Work Done	Number of Tests	Number of Patients
Clinical Work		
IDH1/2 mutations by Real Time PCR	45	45
IDH1 R132H mutation by Real Time PCR	36	36

Details of Work Done	Number of Tests	Number of Patients
Research Work		
STAT3, IL-6, TNF- α , PIK3CA gene expression- GBM patients	190	174



GCRI Annual Report 2021-2022

Details of Work Done	Number of Tests	Number of Patients
EGFRvIII mutations & EGFR amplification-GBM patients	175	77
Notch-1 gene expression - Medulloblastoma	11	10
CD44 by IHC - Meningioma	55	55

Academic Activities: The laboratory is involved in various academic activities including conference presentations, weekly seminars conducted by the department. Theoretical and practical

demonstration of molecular biology techniques for M.Sc. Cancer Biology students, dissertation students, Finishing School students and observers from various Universities.

Research Activities: The research focus is study of various molecular signalling pathways such as STAT-EGFR-IL signalling, Notch signalling pathway for CNS and brain tumor patients. Currently, two research projects are ongoing based on Medulloblastoma and Glioblastoma tumors.

Major Achievement: Ms Neha Bhalala has received **Gold Medal** for Best Paper Presentation of Dr. T. B. Patel Young Scientist Competition during Hospital day celebrations on April 23, 2022.

L4. MOLECULAR DIAGNOSTICS AND RESEARCH LAB III

Senior Scientific Officer & Lab I/c: Dr Jayendra Patel



Clinical Services: Quantitative/Qualitative analysis of BCR-ABL fusion gene, PML-RARA fusion gene, JAK-2 V617F mutations and C-Kit mutation are performed by Real-Time Polymerase Chain Reaction. FLT-3 ITD and D835 mutation are

carried out by Polymerase Chain Reaction and restriction fragment length polymorphism method. Moreover, HPV 16 and 18 genotypes are performed by type specific Polymerase Chain Reaction.

Details of Work Done	Number
Clinical Work	
Real Time PCR for BCR-ABL Fusion Gene	1599

Details of Work Done	Number
Real Time PCR for PML-RAR Fusion Gene	89
PCR For FLT3 (ITD/D835) Mutation	222



GCRI Annual Report 2021-2022

Details of Work Done	Number
Real Time PCR For JAK-2 V617F Mutation	76
Real Time PCR For C-KIT Mutation	59
PCR for HPV-16 and HPV-18 Genotyping	12
Total	2057
Research Work	
Droplet Digital PCR for Research work	68
PCR for Research work	2658
Multiplex PCR for Research work	2943
ELISA for Research work	48
HPLC for Research work	64
Transcriptome study	130

Academic Activities: The lab staff members are involved in teaching of MSc Cancer Biology students. Theoretical and practical demonstration of various molecular biology and biomedical techniques were carried out for the students who

came as observers from various universities and of GSBTM Finishing School students. Also, participating in teaching Molecular Diagnostic tests to DM Oncopathology of our institute for their Course-work.

Research Activities: The laboratory is actively involved in studying tobacco carcinogenesis and other molecular mechanisms involved in oral cancer. Research focus also includes study of glycosylation changes and associated molecular markers as the hallmark of cancer. Studies on prevalence of high risk human papilloma virus infection in cervical cancers in population from Gujarat West India. Moreover, our research lab is also working on glycosylation pathway, telomere length analysis, hTERT, antioxidants and interleukins on cancer patients and healthy individual. Transcriptome analysis of buccal mucosa and tongue cancer patients is also undertaken.

Major Achievement: Lab has received Vibha Mehta Rotating Trophy for maximum research publications for the year 2019, and 2020 (shared) during Hospital Day Celebrations on April 23, 2022.

L5. MOLECULAR DIAGNOSTICS AND RESEARCH LAB IV

Senior Scientific Officer & Lab I/c: Dr Franky Shah

Research Assistant: Dr Apexa Raval

Junior Research Assistant: Dr Jigna Joshi





GCRI Annual Report 2021-2022

Clinical Services: Lab is actively involved in molecular diagnostic testing of EGFR exon mutation analysis from clinical samples.

Details of Work Done	Number
EGFR Exon study	190

Academic Activities: The lab is involved in teaching of MSc in Cancer Biology students and PhD students. Theoretical and practical

demonstration of various molecular biology and tissue culture-based techniques to the observers coming from various universities.

Major Achievement: Lab has received Vibha Mehta Rotating Trophy for maximum research publications for the year 2020 during Hospital Day Celebrations on April 23, 2022. Ms Bhoomi Tarapara has received Best E-Poster Presentation in 5th International BRCA Forum Virtual-BRCA & Beyond-2020 held on August 12-13, 2021.

L6. CYTOGENETICS LAB

Senior Scientific Officer & Lab I/c: Dr Pina Trivedi

Research Assistant: Dr Dharmesh Patel

Junior Research Assistant: Dr Mahnaz Kazi



Clinical Service: Cytogenetics Lab is equipped with the state of art set up for research in the area of clinical cytogenetics. The laboratory is actively engaged in research on various aspects of chromosomal abnormalities. Major clinical services provided by the laboratory 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.

This laboratory 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 7 review stations. In addition to Karyotyping, FISH (Fluorescence in situ hybridization), M-FISH (multicolor FISH). For FISH automation, hybridization and denaturation chamber (Thermobrite, Vysis, USA) helps in rapid and consistent FISH assays. Laboratory has also huge number of tests for solid tumor FISH for Her2 neu as clinical diagnostic work.



GCRI Annual Report 2021-2022

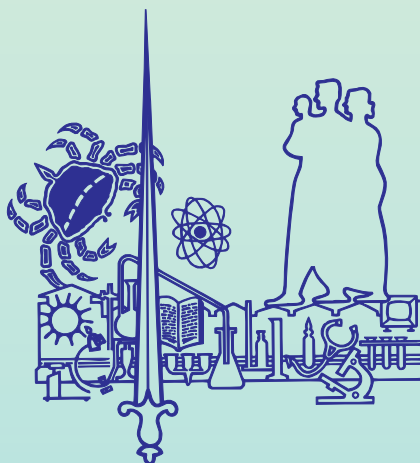
Details of the Work Done	Number
Conventional Cytogenetic study of leukemia from bone marrow/peripheral blood	976
FISH tests for following genetic rearrangements:	
Translocation 9;22	699
Translocation 8;21	303
Translocation 15;17	101
Translocation 16;16/inversion 16	307

Details of the Work Done	Number
Rearrangements of 5q	52
Rearrangements of 7q	51
Copy number of X &/or Y	61
11q MLL	102
Translocation 12;21	24
Solid Tumor FISH	111

Academic Activities: The Lab enrolled graduate and post-graduate students from universities across India for observer ship, project work and dissertation. Staff of the Cytogenetic Laboratory is involved in M.Sc. Cancer Biology course since 2013 for conducting lectures, taking seminars, practical sessions as well as guiding the students for their dissertation work. Cytogenetic Laboratory also enrolled PhD students with Gujarat University. In addition, department undertake teaching and training of the PG students from DM Oncopathology, BDS, MDS and MD Pathology.

Research Activities: Laboratory is involved in various projects for cancer research mainly on hematological malignancies. The main research thrust 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 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 for increased sensitivity of chromosome anomaly detection. Currently, the patients belonging to Acute Lymphoblastic Leukemia, Ewing Sarcoma, Lymphoma and Oligodendroglioma are being enrolled and would be studied further for different abnormalities and cytogenetic changes.





GCRI Annual Report 2021-2022

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 Shashank Pandya, Director. All the research activities were scrutinised, approved and monitored by the SRC 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 SRC 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.

There were as a part of the SRC, 3 scientific meetings (July 16, October 26, 2021 and March 3, 2022) were held in hybrid mode.

On Virtual mode, 3 Ethics Committee Meetings (July 24, November 20, 2021, and March 12, 2022) and one expedited meeting (May 24, 2021) were held under the chairmanship of Hon'ble Justice Shri Bankim Mehta, Shri Milanbhai Patel, and Member-Secretary Dr Shilin Shukla, Alternate Member Secretary, Clinician Dr Pariseema Dave and Alternate Member Secretary, Scientific Member, Dr Hemangini Vora. During these meetings, invited members Shri Kshitish Madanmohan Shah, Dr Rakesh K Dikshit, Dr Amar J Vyas, Dr Sonia K Parikh, Dr Vishal Mishra, Mrs Illa U Vora, Ms Nuri Kalita and Dr Trupti Trivedi were remained present.



GCRI Annual Report 2021-2022

(M2) CLINICAL RESEARCH MEETINGS

Regular bimonthly Clinical and Research meetings are arranged virtually, at Board Room, GCRI, on 2nd and 4th Thursday. Dr Franky Shah, Senior Scientific Officer, and Dr Sonal Patel, Associate Professor, were the coordinators of this activity. During the

year, number of clinical and research subjects are discussed. Total 18 presentations were discussed at the Clinical Meetings from April 2021 to March 2022.

(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 318 students from 26 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, Oncopathology, Gynecological Oncology and Surgical Oncology (DM and MCh courses) as well as postgraduate teaching in subjects like

Microbiology, Radiodiagnosis Anaesthesiology and Radiotherapy (MD, DCP, DMRE, DA courses). The Institute is also recognized for MSc in Cancer Biology, PhD degree from Gujarat University (Life Sciences) and MSc in Medical Physics courses affiliated to Gujarat University.

(M5) GCS RESEARCH JOURNAL

GCS Research Journal, a compilation of academic and research work of Research Laboratories and Clinical Departments of the Gujarat Cancer &

Research Institute, regularly published by GCS. Dr Pariseema Dave and Dr Nandita Ghosh were the editors of the Journal.





GCRI Annual Report 2021-2022

(M6) HOSPITAL WEEK CELEBRATION

The Hospital Week celebrated from April 18-23, 2022 with a festive and jubilant mood. **Shri Pankajbhai R. Patel**, Executive Chairman of GCRI was the Chief Guest at Hospital Day Function on April 23, 2022. The main events included scientific awards, orations awards, illocution competition, mehndi competition and rangoli competition by the staff members.

Dr T. B. Patel Oration Award conferred to **Dr Sidhartha Laskar**, Dy Director Academics & Professor, Department of Radiation Oncology, Tata Memorial Hospital, Mumbai.

Shri Ramniklal J. Kinarivala Cancer Research Award Conferred to **Dr Anuradha Chougule**,

Professor & Faculty Scientist, Medical Oncology, Tata Memorial Hospital, Mumbai.

Shri Madanmohan Ramanlal GCRI Luminary Oration Award conferred to **Dr Shakuntala Shah**, Former Head of Surgical Oncology Department, GC&RI.

Dr Shilin Shukla Medical Oncology Lecture Award conferred to **Dr Sandip Shah**, Part time Associate Professor & Incharge BMT, GCRI.

Vimla Agrawal Rotating Trophy for Clinical Departments & Vibha Mehta Rotating Trophy for Cancer Biology Department for maximum Publications for the Year 2019, 2020 & 2021.



Shri Pankajbhai R. Patel, Executive Chairman, Inaugrated Hospital Week Function



Hospital Day Function, April 23, 2022



GCRI Annual Report 2021-2022



Dr T. B. Patel Oration awarded to Dr. Sidhartha Laskar, TMH, Mumbai



Shri Ramniklal J. Kinarivala Cancer Research Award conferred to Dr. Anuradha Chougule, TMH, Mumbai



Shri Madanmohan Ramanlal GCRI Luminary Award conferred to Dr. Shakuntala Shah, Former Head, Surgical Oncology



Dr Shilin Shukla Medical Oncology Lecture Award conferred to Dr. Sandip Shah, Part time Associate Professor & In charge BMT





GCRI Annual Report 2021-2022

Trophy for maximum Publications - 2019	Department / Lab
Vimla Agrawal Rotating Trophy - Clinical Departments	
Runner up Trophy	Oncopathology Department
Rotating Trophy	Gynecological Oncology Department
Vibha Mehta Rotating Trophy - Cancer Biology Department	
Runner up Trophy	Immuno-hematology Lab
Rotating Trophy	Molecular Diagnostics and Research Lab III



**Gynecological Oncology Department
Vimla Agrawal Rotating Trophy**



**Oncopathology Department
Vimla Agrawal Runner up Trophy**



**Molecular Diagnostics and Research Lab III
Vibha Mehta Rotating Trophy**



**Immuno-hematology Lab
Vibha Mehta Runner up Trophy**



GCRI Annual Report 2021-2022

Trophy for maximum Publications - 2020	Department / Lab
Vimla Agrawal Rotating Trophy - Clinical Departments	
Runner up Trophy	Surgical Oncology Department
Rotating Trophy	Oncopathology Department
Vibha Mehta Rotating Trophy - Cancer Biology Department	
Runner up Trophy	Tie between Molecular Diagnostics and Research Lab I and Molecular and Diagnostics and Research Lab IV
Rotating Trophy	Tie between Molecular Diagnostics and Research Lab III and Immunohematology Lab



**Oncopathology Department
Vimla Agrawal Rotating Trophy**



**Surgical Oncology Department
Vimla Agrawal Runner up Trophy**



**Molecular Diagnostics and Research Lab III &
Immunohematology Lab
Vibha Mehta Rotating Trophy**



**Molecular Diagnostics and Research Lab I &
Molecular Diagnostics and Research Lab IV
Vibha Mehta Runner up Trophy**



GCRI Annual Report 2021-2022

Trophy for maximum Publications - 2021	Department / Lab
Vimla Agrawal Rotating Trophy - Clinical Departments	
Runner up Trophy	Oncopathology Department
Rotating Trophy	Surgical Oncology Department
Vibha Mehta Rotating Trophy - Cancer Biology Department	
Rotating Trophy	Molecular Diagnostics and Research Lab IV



**Surgical Oncology Department
Vimla Agrawal Rotating Trophy**



**Oncopathology Department
Vimla Agrawal Runner up Trophy**



**Molecular Diagnostics and Research Lab IV
Vibha Mehta Rotating Trophy**



GCRI Annual Report 2021-2022

Dr T. B. Patel Young Scientists Medals conferred to

Name of Winner	Department	Medal
Clinical Department		
Dr Kanwalpreet Kaur	Oncopathology	Gold
Dr Rubi Gupta	Gynaecological Oncology	Silver
Dr Nishu	Gynaecological Oncology	Bronze
Mrs Queenjal Anandi: Nursing staff (Palliative Medicine) was judged separately and was adjudged for Silver Medal		



**Gold Medal - Oncopathology Department
Dr T. B. Patel Young Scientists Medals**



**Silver Medal - Gynaecological Oncology Department
Dr T. B. Patel Young Scientists Medals**



**Bronze Medal - Gynaecological Oncology Department
Dr T. B. Patel Young Scientists Medals**



**Silver Medal - Palliative Medicine Department
Dr T. B. Patel Young Scientists Medals**



GCRI Annual Report 2021-2022

Name of Winner	Department	Medal
Cancer Biology Department		
Ms Neha Bhalala	Molecular Diagnosis and Research Lab II	Gold
Dr Mahnaz Kazi	Cytogenetics Lab	Silver
Ms Ashi Thobias	Molecular Diagnosis and Research Lab III	Bronze



**Gold Medal - Molecular Diagnosis and Research Lab II
Dr T. B. Patel Young Scientists Medals**



**Silver Medal - Cytogenetics Lab
Dr T. B. Patel Young Scientists Medals**



**Bronze Medal - Molecular Diagnosis and Research Lab III
Dr T. B. Patel Young Scientists Medals**



GCRI Annual Report 2021-2022

(M7) PROFESSIONAL TRAINING TO DOCTORS AND SCIENTISTS (CONFERENCES, WORKSHOPS)

No	Conference / Training / CME	Organizers	Date
1	Workshop on Medical use of essential narcotic drugs for doctors from various institutes of Gujarat was organized in different batches	Pain and Palliative Medicine	September 2021 and February 2022
2	Virtual training workshop on Certificate Course on Essential of Palliative Care	Pain and Palliative Medicine	Part A was organized on June 2021, January 2022
3	Communication workshop for doctors and nursing staff of GCRI	Pain and Palliative Medicine	October 2021

(M8) PROFESSIONAL TRAINING TO PARAMEDICS (TECHNOLOGICAL COURSES)

Medical laboratory technology is one of the largest and the 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.

Dr Shashank Pandya, Director is the Chairperson, and **Dr Priti Trivedi**, Professor & Head of Oncopathology is the Coordinator of the course. All the doctors of the Pathology, Microbiology and Blood Bank 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 47 students are selected on the basis 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 in-charge 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.



GCRI Annual Report 2021-2022

(M9) STAFF TRAINING-INTRAMURAL AND EXTRAMURAL

No.	Name	Designation	Division / Department	Subject of Training and Place	Date
1	Dr Priti Sanghavi	Professor & Head	Pain & Palliative Medicine	Training of Medical Officers in Elderly and Palliative Care, National Health Systems Resource Centre (NHSRC)	April 2021
2	Dr Bhavna Patel	Associate Professor	Pain & Palliative Medicine	Training of Medical Officers in Elderly and Palliative Care, National Health Systems Resource Centre (NHSRC)	September 2021
3	Dr Ravi Umrania	Assistant Professor	Pain & Palliative Medicine	Training of Medical Officers in Elderly and Palliative Care, National Health Systems Resource Centre (NHSRC)	April 2021
4	Dr Pariseema Dave	Professor	Gynaecological Oncology	Good Clinical Practice, GCRI	7 August, 2021
5	Dr Chetana Parekh	Associate Professor	Gynaecological Oncology	Virtual-Basic Course in Biomedical Research, National Institute of Epidemiology, Chennai, Tamilnadu	22 August, 2021
6	Dr Trupti Trivedi	Assistant Professor & Head	Molecular Diagnostics and Research Lab II	Virtual - Managing Technology Value Chain for Directors-Department of Science and Technology, GOI, Administrative Staff College of India, Hyderabad	25-29 October, 2021
7	Dr Kinjal Patel	Research Associate, GSBTM Project	Molecular Diagnostic and Research Lab I	Next Generation Sequencing at Gujarat Biotechnology Research Center, Gandhinagar, Gujarat	6-10 December 2021
8	Ms Mittal Mistry	Junior Research Fellow	Immunoheatology Lab	Hands on training program on Next Generation Sequencing organized by Gujarat Biotechnology Research Centre on	6-10 December 2021
9	Ms Neha Bhalala	Junior Research Fellow	Molecular Diagnostics and Research Lab II	Virtual-Real Time PCR Sponsored by DHR-ICMR Advanced Molecular Oncology Diagnostic Services, CMC Vellore	18-20 October, 2021
10	Ms Kinjal Panchal	Junior Research Fellow	Molecular Diagnostics and Research Lab II	Virtual-Real Time PCR Sponsored by DHR-ICMR Advanced Molecular Oncology Diagnostic Services, CMC Vellore	18-20 October, 2021



GCRI Annual Report 2021-2022

N. LION BHARAT KSHATRIYA COMMUNITY ONCOLOGY CENTER

Chief Executive Officer, Community Oncology Center: Dr Geeta Joshi
Visiting Physician: Dr Darshan Parikh, Dr Mustufa Rangwala, Dr Venil Shah
Visiting Radiologist: Dr Parag Sheth
Visiting Nephrologist: Dr Rutul Dave, Dr Ravi Bhadania
Physiotherapist: Dr Nalin Parmar
Public Relation Officer: Mrs Darshana Butala



Clinical Services:

- A. Health Check-up: Each health check-up plans includes basic screening tests for common cancers. It is aimed at early detection of cancer.
- B. OPD Consultation: A special consultation services of physician, gynaecologist, paediatrician, cancer surgeon, medical oncologist and palliative care physician has started since March 01, 2021.
- C. Physiotherapy Centre: We have well equipped physiotherapy centre for patients needing rehabilitation following trauma, injury or surgery.
- D. Hospice Services: 20 Beds, in 5 cottages in campus, are allotted to the cancer patients in advanced stage of disease. They are given

- palliative care by doctor & nursing staff. Counselling of patients and caregiver is done to address their psychosocial and spiritual issues.
- Special Rooms for Hospice facility** - Hospice services are upgraded with provision of 4 special rooms with ultramodern facility. The aim is to provide more comfort to patients and family.
- E. Home Care Services: The Home Care services are provided by a nursing staff, social worker and doctor to home bound cancer patients.
- F. Dialysis Services: We have five beds for dialysis for CKD patients. We have Ayushman Bharat PMJAY approval to serve PMJAY beneficiaries.
- G. Chemotherapy Unit: We have started these services for cancer patients.

Details of Work Done	Number
Health Check-up visitors	2801
Hospice admission	314
Physiotherapy attendees	93

Details of Work Done	Number
Dialysis patients (Total Dialysis)	123
Home visits	40
Exhibition visitors	2863



GCRI Annual Report 2021-2022

Academic Activities: Jigar Solanki, MSc Nursing student of J G College of Nursing, Ahmedabad, did a study on 'To evaluate the effectiveness of foot reflexology therapy on hospice patients'. Four nurses from Janvikas, Ahmedabad took training for 'General Duty Assistance Trainee' from 12/12/21 to 11/01/22. Sixty BSc nursing students were posted at COC for training in cancer screening, palliative and hospice care during January 3-20, 2022. Ten students studying BPT from Shama Institute of Medical Science took training at Physiotherapy Department, COC.

Major Achievement: Dr Geeta Joshi, CEO, appointed as Director, International Institute of Distance Learning Courses conducted by National

Association of Palliative Care for AYUSH & Integrative Medicine. She is also appointed as President of this Association.

Public Services: On August 22, 2021, Rakshabandhan was celebrated with hospice patients. On October 21, 2021, Breast Cancer Awareness Month was celebrated by screening 150 women from 'Samast Vaishnav Vanik Parivar' for Breast and Cervical Cancers. On February 4, 2021, World Cancer Day was celebrated by organizing Poster and Drawing Competitions of nursing and school students. On March 08, 2021, International Women's Day was celebrated by doing total 135 free Mammography and Pap tests.





GCRI Annual Report 2021-2022

O. OUTREACH ACTIVITIES

Cancer Screening Camps: 33 Camps 31 Places

Atamaramkaka Physiotherapy Center, Dediyaan GIDC, Mahesana (06/08/2021); Amba Health Center, Dada Bhagwan Trimandir, Adalaj (07-08/08/2021); Basement, Murtuza Complex, Thakkar Faliya, Dahod (12/09/2021); Female General Hospital, Palanpur (26/09/2021); Palitana Market Yard, Palitana, Bhavnagar (26/09/2021); Gurukrupa Hospital, Chiloda, Gandhinagar (26/09/2021); Indian Red Cross Society, Dahod (03/10/2021); Ridham Hospital, Visnagar, Mahesana (10/10/2021); Civil Hospital Godhra, Panchmahal (21/10/2021); CHC Kalol Panchmahal (21/10/2021); CHC Morva Panchmahal (22/10/2021); Gayatri Shaktipith, Gandhinagar (24/10/2021); Civil hospital Surendranagar (12/11/2021); Patan (12/11/2021); Bhavangar Jilla Panchayat, Bhavnagar (12/11/2021); Govt Hospital, Singarva, Ahmedabad (12/11/2021);

Police Dispensary, Shahibaug, Ahmedabad (19-20/11/2021); Treasure Lions Club of Jamnagar East, Jamnagar (12/12/2021); Manekpura, Mansa, Gandhinagar (26/12/2021); HP High School Unava, Mahesana (30/01/2022); Primary School Umanagar (Nandasan), Kadi, Mahesana (05/03/2022); Municipal Corporation Gujarati School-6, Gomatipur Gam, Ahmedabad (06/03/2022); Chadasana, Mansa, Gandhinagar, Ahmedabad (06/03/2022); Gujarat National Law University, Gandhinagar (08/03/2022); Air Force, Chiloda, Gandhinagar (08/03/2022); Community Health Centre, Thaliya, Talaja, Bhavnagar (10/03/2022); Sardarpur, Vijapur, Mahesana (13/03/2022); Ridrol, Mansa, Gandhinagar (20/03/2022); Moti Bhojan, Kalol, Gandhinagar (26/03/2022); New Sarwa Mangal School, Sama Savali Road, Vemali, Vadodara (27/03/2022)

Cancer Awareness Camps: 3 Camps 3 Places

HP High School Unava, Mahesana (30/01/2022); Gujarat National Law University, Gandhinagar

(08/03/2022); New Sarwa Mangal School, Sama Savali Road, Vemali, Vadodara (27/03/2022)

Blood Donation Camps: Places 32 Camps 33

B-301 Panchratna Flora, Vinzol, Ahmedabad (11/03/2021); Momin Masjid Bapungar, Ahmedabad (13/6/2021); Sarvajanic Library, Kadi (22/6/2021); Kanya Shala, Vinchiya, Rajkot (1/8/2021); Patidar Vadi, Katargam, Surat (8/8/2021); Ladies Club, Khamasa, Ahmedabad (15/8/2021); Sthanakvasi Upashray, Navrangpura, Ahmedabad (19/9/2021); Marwadi College, Rajkot (28/9/2021); Shree Rang Plaza, Randesan, Gandhinagar (24/10/2021); SRP Camps, Meghaninagar (28/10/2021); Godhrej Garden City Ahmedabad (31/10/2021); Delwada, Mehsana (7/11/2021); Karanj Police Station Ahmedabad (30/11/2021); Patel Colony, Aambawadi, Ahmedabad (5/12/2021); Manekpur Gandhinagar (26/12/2021); Meghmani Sanskardham, Mandal, Ahmedabad (26/12/2021);

Nims Hospital, Naroda, Ahmedabad (8/1/2022); Udan Academy, Nirnaynagar, Ahmedabad (23/1/2022); GB Shah College, Vasna, Ahmedabad (26/1/2022); Kanba Hospital, Nikol, Ahmedabad (26/1/2022); Pavagadh Chok, Raykhad (30/1/2022); Ghevar Complex, Shahibaug, Ahmedabad (4/2/2022); Puja Farm, Narol, Ahmedabad (13/2/2022); IIT, Palaj, Gandhinagar (23/2/2022) and (27/3/2022); Costing Yard, Dholakuva, Gandhinagar (24/2/2022); Kumavat Samaj Vadi, Odhav, Ahmedabad (27/2/2022); Chadasna, Gandhinagar (6/3/2022); Lokhandwala Hospital, Dariyapur, Ahmedabad (6/3/2022); Aaryavart Group, Vinzol, (11/3/2022); Kabir Mandir, Sardarpur, Mehsana (13/3/2022); Ridrol Gandhinagar (20/3/2022); Surjeet Society, Bapunagar, Ahmedabad (27/3/2022)



GCRI Annual Report 2021-2022

P. FUNCTIONING OF COMMITTEES

Internal Management Committee

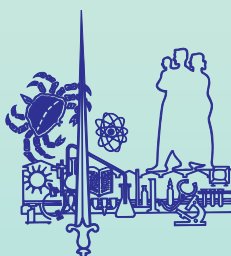
Dr. Shashank Pandya	Chairman, Director
Dr. Pariseema Dave Dr. Priti Sanghavi	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Member, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. U. Suryanarayan	Member, Professor & Head, Radiation Oncology
Dr. Priti Trivedi	Member, Professor & Head, Oncopathology
Dr. Sonia Parikh	Member, Professor, Medical Oncology

Purchase Committee

Mr. Prashant Kinnariwala	Chairman, General Secretary, GCS
Dr. Shashank Pandya	Member Secretary, Director, GCRI
Mr. Kshitish Madanmohan	Member, Vice President, GCS
Dr. Pariseema Dave Dr. Priti Sanghavi	Special Invitee, Dy Director GCRI (up to November 15, 2021) Special Invitee, I/C Dy Director, GCRI (November 16, 2021 onwards)
Mr. Deevyesh Radia	Special Invitee, Secretary, GCS
Mr. Kaushik D. Patel	Special Invitee, Secretary, GCS

GCRI Website Committee

Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Pariseema Dave Dr. Priti Sanghavi	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Member, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Mr. Ratnakar Shrotriya	Member Secretary, Medical Record Keeper, IT Department
Dr. Dhruvi Desai	Member, RMO
Dr. Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr. Foram Patel	Member, Assistant Professor, Microbiology
Mr. Mahendra Kumpavat	Member, PS to Director
Mr. Rushi Patel	Chief Photography & Publicity, Educational Graphics & Medical Photography
Mr. Jagdish Gohel	Member, Assistant Librarian





GCRI Annual Report 2021-2022

Library Committee	
Dr. Shashank Pandya	Chairman, Director, Professor & Head, Surgical Oncology
Dr. Pariseema Dave Dr. Priti Sanghavi	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Member, I/C Dy Director(November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Sonia Parikh	Professor & HOU, Medical Oncology Unit-III
Dr. Jayashree Thakkar	Member, Professor & Head, Anaesthesiology
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. Priti Trivedi	Member, Professor & Head, Oncopathology
Dr. U Suryanarayan	Member, Professor & Head, Radiation Oncology
Dr. Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr. Dhruvi Desai	Member, RMO
Dr. Trupti Trivedi	Member, Assistant Professor, Cancer Biology
Ms. Nuri Kalita	Member Secretary, Librarian

GCS Research Journal Committee	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Pariseema Dave	Chief Editor, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology
Dr. Nandita Ghosh	Chief Editor, Associate Professor, Cancer Biology
Dr. Asha Anand	Associate Editor, Former Professor & Head, Medical Oncology
Dr. Ava Desai	Associate Editor, Former Professor, Gynaec Oncology
Dr. Nayan Jain	Associate Editor, Dean, Life Sciences, Gujarat University
Dr. U. Suryanarayana	Member, Professor & Head, Radiation Oncology
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. Jayashree Thakkar	Member, Professor & Head, Anaesthesiology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. Priti Trivedi	Member, Professor & Head, Oncopathology
Dr. Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr. Harsha Panchal	Member, Professor and Head, Medical Oncology
Mr. Rushi Patel	Chief Photography & Publicity, Educational Graphics & Medical Photography

Govt. Scheme Implementation Committee	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Anand Shah	Member Secretary, Assistant Professor, Community Oncology
Dr. Dipak Rathod	Member, RMO Class - I
Dr. Dhruvi Desai	Member, RMO
Ms. Shivani Rajput	Member, Financial Assistant, Account Department
Mr. Himanshu Patel	Member, Medical Record Officer, Community Oncology



GCRI Annual Report 2021-2022

ICS Cancer Cure Fund	
Dr. Shashank Pandya	Chairman, Director, GCRI
Ms. Shivani Rajput	Member Secretary, Account Officer, Account Department
Dr. Apurva Patel	Member, Professor, Medical Oncology
Dr. Dhruvi Desai	Member, RMO
Dr. Anand Shah	Member, Assistant Professor, Community Oncology
Mr. Himanshu Patel	Member, Medical Record Officer, Community Oncology

Patient Care Evaluation Committee	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Pariseema Dave Dr. Priti Sanghavi	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Member, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Dhruvi Desai	Member Secretary, RMO
Mr. Divyesh Radia	Member, Secretary, GCS
Ms. Mona Darji	Member, Dy Nursing Superintendent
Ms. Manisha Katara	Member, I/C Matron Grade - I

NABL Accreditation Committee	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Pariseema Dave Dr. Priti Sanghavi	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Member, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Priti Trivedi	Member Secretary, Professor & Head, Oncopathology
Dr. Biren Parikh	Co-ordinator, Associate Professor, Oncopathology
Dr. Parijath Goswami	Member, Professor & Head, Microbiology
Dr. Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr. Nandita Ghosh	Member, Associate Professor, Cancer Biology
Dr. Rima Kusumgar	Member, BTO
Mr. Mahesh Ahir	Member, Civil Engineer
Mr. Sanjay Patel	Member, Electrical Engineer
Dr. Trupti Trivedi	Member, Assistant Professor, Cancer Biology
Dr. Kruti Rajvik	Junior Scientific Officer
Ms. Rachana Shah	Biochemist, NABL Co-Ordinator

Hospital Waste Management Committee	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Parijath Goswami	Member Secretary
Dr. Foram Patel	Assistant Member Secretary
Ms. Mona Darji	Member, Dy Nursing Superintendent
Ms. Leena Bhatt	Member, Sister Incharge
Bio-Medical Waste Supervisor	Member
Mr. Jignesh Patni	Member, Sanitary Inspector
Mr. Donald Christian	Member, Sanitary Inspector



GCRI Annual Report 2021-2022

Fire Safety Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Mr. Sanjay Patel	Member Secretary, Electrical Engineer, Engineering Department
Dr. Dhruvi Desai	Member, RMO Class - I
Dr. Jayendra Patel	Member, Senior Scientific Officer, Cancer Biology
Mr. Mahesh Ahir	Member, Civil Engineer, Engineering Department
Mr. Mahendra Kumpavat	Member, Stenographer Grade-III, Secretarial Department
Mr. Arpit Christian	Member, Assistant Staff Brother, Nursing Department

Disaster Management Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Mr. Sanjay Patel	Member Secretary, Electrical Engineer, Engineering Department
Dr. Dhruvi Desai	Member, RMO Class - I
Mrs. Chataki Sharma	Member, Hospital Administrator
Dr. Jayashree Thakkar	Member, Professor & Head, Anaesthesiology
Dr. Dhaval Jetly	Member, Associate Professor, Oncopathology
Ms. Mona Darji	Member, Dy Nursing Superintendent
Mr. Mahesh Ahir	Member, Civil Engineer, Engineering Department
Mr. Om Prakash	Member, Nuclear Health Physicist, Nuclear Medicine Department
Mr. Mahendra Kumpavat	Member, Stenographer Grade-III, Secretarial Department

Women's Development Cell

Dr. Hemangini Vora	Chairperson, Professor & Head, Cancer Biology
Ms. Shivani Rajput	Member Secretary, Financial Assistant, Account Department
Dr. Foram Patel	Joint Secretary, Assistant Professor, Microbiology Department
Dr. Kinna Shah	Member, Assistant Professor, Anaesthesiology
Dr. Rima Kusumgar	Member, BTO, Blood Bank
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology
Ms. Mona Darji	Member, Dy Nursing Superintendent

SC / ST Cell

Dr. Pariseema Dave	Chairperson, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Chairperson, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Priti Sanghavi	
Ms. Mona Darji	Member, Dy Nursing Superintendent
Dr. Dhruvi Desai	Member, RMO
Dr. Rekha Solanki	Member, Assistant Professor, Anaesthesiology
Ms. Manisha Katara	Member, I/C Matron Grade - I
Mr. Dharmesh Rana	Member, Jr. Data Entry Operator



GCRI Annual Report 2021-2022

Anti Sexual Harassment Committee (Internal Complaints Committee)

Dr. Pariseema Dave	Chairperson, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology
Dr. Priti Sanghavi	Chairperson, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Hemangini Vora	Co-chairperson, Professor, Cancer Biology
Ms. Shivani Rajput	Member Secretary, Financial Assistant, Account Department
Dr. Geeta Joshi	C.E.O. COC Vasna
Dr. Himanshu Soni	Member, Professor, Radiodiagnosis
Ms. Mona Darji	Member, Dy Nursing Superintendent
Ms. Pratima Desai	Member, NGO, Social Worker (External)
Mr. K.K. Pandya	Member, Head, Legal Services (Retired District Judge)

Information Technology Committee

Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Pariseema Dave	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology
Dr. Priti Sanghavi	Member,, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Ms. Chataki Sharma	Member, Hospital Administrator
Mr. Haren Shah	Hon. External IT Advisor (Invitee)
Mr. Navnit Jethava	Member Secretary, IT Head
Mr. Mayur Visani	Member, Electronic Engineer, Bio-Medical Department
Mr. Samip Dave	Member, Chartered Accountant, Account Department
Mr. Mahendra Kumpavat	Member, Stenographer Grade - III, Secretarial Department

Hospital Infection Control Committee

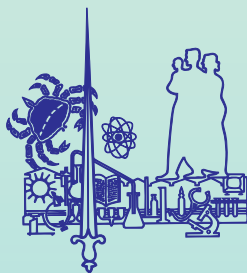
Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head Palliative Medicine
Dr. Foram Patel	Member Secretary, Asst. Professor & Head, Microbiology
Mrs. Chataki Sharma	Member, Hospital Administrator
Dr. Jayshree Thakkar	Member, Professor & Head, Anaesthesiology
Dr. Sonia Parikh	Member, Professor, Medical Oncology
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. Akanksha Garg	Member, Adhoc Asstt. Professor, Medical Oncology (Representative of BMT)
Dr. Vikas Warikoo	Member, Associate Professor, Surgical Oncology
Ms. Mona Darji	Member, Dy Nursing Superintendent
Mr. Nauman Mansuri	Member, Assistant Hospital Administrator
Ms. Sweta Shah	Member, Chief Pharmacist
Ms. Praisya Rathod	Member, ICN
Ms. Jyotika Chavda	Member, ICN
Mr. Mahesh Ahir	Member, Civil Engineer, Engineering Department
Ms. Varsha Thakkar	Member, Head Nurse, Operation Theatre
Ms. Karolin Patel	Member, Head Nurse, ICU
Ms. Varsha Chotai	Member, Head Nurse, CSSD
Mr. Donald Christian	Member, Sanitary Inspector



GCRI Annual Report 2021-2022

Committee to Review - Out Source Services	
Ms. Chataki Sharma	Chairperson, Hospital Administrator
Mr. A. T. Painter	Member, Legal Officer, Legal Department
Dr. Minesh Patel	Member, RMO
Ms. Shivani Rajput	Member, Financial Assistant, Account Department
Mr. Samip Dave	Member, Chartered Accountant, Account Department
Ms. Mona Darji	Member, Dy Nursing Superintendent
Mr. Krunal Khatri	Member Secretary, Labour Officer, Legal Department
Mr. Mohamadnauman Mansuri	Member, Assistant Hospital Administrator
Mr. Bharat Trivedi	Member, Store Keeper Cum Cashier (In charge A.O.), HR Department
Ms. Manisha Katara	Member, I/C Matron Grade - I

Institutional Review Committee Dissertation / Thesis / Publication / Conference Presentation	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Pariseema Dave Dr. Priti Sanghavi	Chairperson, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Chairperson, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Harsha Panchal	Member Secretary, (Clinical-Dissertation & Thesis), Professor and Head of Medical Oncology
Dr. Nandita Ghosh	Member Secretary, (Research-Dissertation & Thesis), Cancer Biology
Dr. Trupti Trivedi	Member Secretary, (Publications & Presentation), Cancer Biology
Mr. Kshitish Madanmohan	Member (NGO representative, Social Worker), Secretary, GCS
Dr. Amar Vyas	Member, Department of PSM, BJMC
Dr. U. Suryanarayan	Member, Professor & Head, Radiotherapy Department
Dr. Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr. Himanshu Soni	Member, Professor, Radiodiagnosis
Dr. Trupti Patel	Member, Associate Professor, Oncopathology Department
Dr. Foram Patel	Member, Assistant Professor, Microbiology Department
Dr. Franky Shah	Member, Senior Scientific Officer, Cancer Biology





GCRI Annual Report 2021-2022

Scientific Research Committee	
Dr. Shashank Pandya	Chairman, Director
Dr. Pariseema Dave	Co-Chairperson, Deputy Director, Professor, Gynaec Oncology
Dr. Priti Sanghavi	Co-Chairperson, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr. Sonia Parikh	Assistant Member Secretary, Professor, Medical Oncology
Dr. Hemangini Vora	Assistant Member Secretary, Professor, Cancer Biology
Dr. Kirti Patel	External Member, Director, GCS Medical College
Dr. Shilin Shukla	Member, Former Director, Professor Emeritus
Dr. Sunil Trivedi	External Member, Professor, Senior Scientific and Academic Coordinator, Ahmedabad
Dr. Rakesh Rawal	External Member, Professor, Life Science, Gujarat University, Ahmedabad
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. U. Suryanarayan	Member, Professor & Head, Radiation Oncology
Dr. Parijath Goswami	Member, Professor & Head, Microbiology Department
Dr. Hitesh Rajpara	Member, Professor & Head, Radiodiagnosis
Dr. Priti Trivedi	Member, Professor & Head, Oncopathology Department
Dr. Jayshree Thakkar	Member, Professor & Head, Anaesthesiology
Dr. Nandita Ghosh	Member, Associate Professor, Cancer Biology
Dr. Trupti Trivedi	Member, Assistant Professor, 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

Ethics Committee	
Hon'ble Justice Shri Bankim N. Mehta	Chairman, Legal Expert
Shri Milan N. Patel	Vice Chairman, Legal Expert
Dr. Shilin N. Shukla	Member Secretary, Clinician
Dr. Pariseema S. Dave	Assistant Member Secretary, Clinician
Dr. Hemangini Vora	Assistant Member Secretary, Scientific Member
Shri Kshitish Madanmohan Shah	Member, Social Scientist
Dr. Rakesh K Dikshit	Member, Basic Medical Scientist
Dr. Amar J Vyas	Member, Social Scientist
Dr. Sonia K Parikh	Member, Clinician
Dr. Vishal Mishra	Member, Basic Medical Scientist
Mrs. Illa U Vora	Member, Lay Person
Ms. Nuri M Kalita	Member, Philosopher
Dr. Trupti Trivedi	Member, BHR



GCRI Annual Report 2021-2022

Serious Adverse Event Committee (SAE) (A sub-committee of GCRI/ GCS Ethics Committee)	
Dr. Shashank Pandya	Chairman, Director, GCRI
Dr. Harsha Panchal	Member Secretary, Professor, Medical Oncology
Dr. Sonia Parikh	Member, Professor, Medical Oncology
Dr. Pariseema Dave	Member, Professor, Gynaec Oncology
Dr. Vishal Mishra	Member, Assistant Professor, B. J. Medical College (Pharmacology)
Dr. Bijal Patel	Professor, Gynaec Oncology

Ethics Committee For Compensation (A sub-committee of GCRI/ GCS Ethics Committee)	
Shri Milan N. Patel	Chairman, Legal Expert
Dr. Pariseema Dave	Member Secretary, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology
Shri Kshitish Madanmohan Shah	Member

GCRI/GCS Ethics Committee for Biomedical Health Research	
Hon'ble Justice Shri Bankim N. Mehta (Rtd)	Chairman, Legal Expert
Shri Milan N. Patel	Vice Chairman, Legal Expert
Dr. Shilin N. Shukla	Member Secretary, Clinician
Dr. Pariseema Dave	Assistant Member Secretary, Clinician
Dr. Hemangini Vora	Assistant Member Secretary, Scientific Member
Shri Kshitish Madanmohan Shah	Member
Dr. R. K. Dikshit	Basic Medical Scientist (Pharmacologist)
Dr. Amar Vyas	Social Scientist
Dr. Sonia K Parikh	Clinician
Dr. Vishal Mishra	Basic Medical Scientist (Pharmacologist)
Mrs. Illa U Vora	Lay Person
Ms. Nuri Kalita	Member
Ms. Shanu Shamsuddin Pathan	Lay Person
Dr. Trupti Trivedi	Scientific Member

Institutional Committee for Stem Cell Research (IC-SCR)	
Dr. Kirti M. Patel	Chairman, Director, GCSMC
Dr. Apruva Patel	Member Secretary, Professor, Medical Oncology
Dr. Franky Shah	Asst. Member Secretary
Dr. Sandip Shah	Member
Dr. Maitrey Gajjar	Member
Dr. Haresh Doshi	External Member
Dr. Rakesh Rawal	External Member
Mr. Kshitish Madanmohan	Member
Dr. Amar Vyas	Member
Ms. Ilaben Vora	Member



GCRI Annual Report 2021-2022

Annual Report Preparation Committee

Dr. Shashank Pandya	Director, GCRI
Dr. Hemangini Vora	Professor & Head, Cancer Biology
Dr. Trupti Trivedi	Assistant Professor, Cancer Biology
Mr. Rushi Patel	Chief Photography & Publicity, Educational Graphics & Medical Photography
Mr. Mahendra Kumpavat	Stenographer, Secretariat Department

Radiation Safety Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Priti Sanghavi	Member, I/C Dy. Director, Professor & Head, Palliative Medicine
Mr. Satish Pelgade	Member Secretary, Associate Professor, Medical Physics, RSO
Dr. U. Suryanarayan	Member, Professor & Head, Radiation Oncology
Dr. Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr. Vijay Gupta	Member, Sr. Consultant, Nuclear Medicine
Dr. Rima Kusumgar	Member, BTO, Blood Bank
Mr. Tushar Bopche	Member, Radiophysicist
Mr. Om Prakash	Member, Nuclear Health Physicist

Anti Ragging Committee

Dr. Pariseema Dave	Chairman, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology
Dr. Priti Sanghavi	Chairman, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Dipak Rathod	Member, RMO
Dr. U Suryanarayan	Member, Professor & Head, Radiation Oncology

Blood Transfusion Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Dr. Rima Kusumgar	Member Secretary, BTO, Blood Bank
Ms. Chataki Sharma	Member, Hospital Administrator
Dr. Priti Trivedi	Member, Professor & Head, Oncopathology
Dr. Apurva Patel	Member, Professor, Medical Oncology
Dr. Bijal Patel	Member, Professor, Gynaec Oncology
Dr Dhruvi Desai	Member, R.M.O., Class-I
Dr. Vikas Wariko	Member, Associate Professor, Surgical Oncology
Dr. Kinna Shah	Member, Assistant Professor, Anesthesiology
Ms Mona Darji	Member, Dy Nursing Superintendent



GCRI Annual Report 2021-2022

Pharmacy and Therapeutic Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Mrs. Shweta Shah	Member Secretary, Chief Pharmacist
Dr. Jayashree Thakkar	Member, Professor & Head, Anaesthesiology
Dr. Apurva Patel	Member, Professor, Medical Oncology
Dr. Ruchi Arora	Member, Professor, Gynaec Oncology
Dr. Mohit Sharma	Member, Associate Professor, Surgical Oncology
Dr. Foram Patel	Member, Assistant Professor & Head, Microbiology
Ms. Mona Darji	Member, Dy Nursing Superintendent
Mr. Kalpesh Sathwara	Member, Jr. Pharmacist
Mrs. Jyotika Chavda	Member, Infection Control Nurse

Medical Audit Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Dr. Jayashree Thakkar	Member Secretary, Professor & Head, Anaesthesiology
Dr. U. Suryanarayan	Member, Professor & Head, Radiation Oncology
Dr. Shilpa Patel	Member, Professor & Head, Gynaec Oncology
Dr. Harsha Panchal	Member, Professor & Head, Medical Oncology
Dr. Vikas Warikoo	Member, Asso. Professor, Surgical Oncology
Dr. Bijal Patel	Member, Asso. Professor, Gynaec Oncology
Dr. Leena Patel	Member, Associate Professor, Anaesthesiology
Dr. Akanksha Garg	Member, Adhoc Assistant Professor, Medical Oncology
Dr. Abhesinh Rathod	Member, Chief HAM
Mr. Himanshu Patel	Member, Medical Record Officer, Community Oncology
Ms. Hiral Panchal	Member, NABH Coordinator
Mr. Jagdish Parmar	Member, Junior Pharmacist
Mr. Rahul Priyadarshi	Member, Junior Pharmacist

Grievance Redressal Committee (GCRI Employee)

Dr. Priti Sanghavi	Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Mr. Krunal Khatri	Member Secretary, Labour Officer
Mrs. Manisha Katara	Member, I/C Matron Grade - I
Ms. Rachna Shah	Member, NABL Co-ordinator
Mr. Vasudev Thakar	Member, Independent Member (Advocate)



GCRI Annual Report 2021-2022

Grievance Redressal Committee (GCRI Students)

Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Pariseema Dave Dr. Priti Sanghavi	Member, Dy Director (up to November 15, 2021), Professor, Gynaec Oncology Member, I/C Dy Director (November 16, 2021 onwards), Professor & Head, Palliative Medicine
Dr. Sonia Parikh	Member, Professor, Medical Oncology
Dr. Mohit Sharma	Member, Professor, Surgical Oncology
Dr. Nikhil Modi	Member, Full time Neuro Surgeon, DNB Coordinator
Dr. Rahul Agarwal	Member, Mch Student, Representative of DNB, FNB & other students
Dr. Jayesh Sachade	Member, Professor, Plastic Surgery, B. J. Medical Collage, External Medical Expert

Quality Assurance Committee

Dr. Shashank Pandya	Chairperson, Director, GCRI
Dr. Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Ms. Hiral Panchal	Member, NABH Coordinator
Mrs. Chataki Sharma	Member, Hospital Administrator
Dr. Dhruvi Desai	Member, RMO Class - I
Dr. Anand Shah	Member, Assistant Professor, Community Oncology
Ms. Mona Darji	Member, Matron Grade - I
Ms. Rachana Shah	Member, Quality Assurance Officer-NABL
Ms. Praisly Rathod	Member, Infection Control Nurse
Dr. Bhadresh Shastri	Member, Clinical Research Assistant
Ms. Niyanta Sailor	Member, Research Coordinator



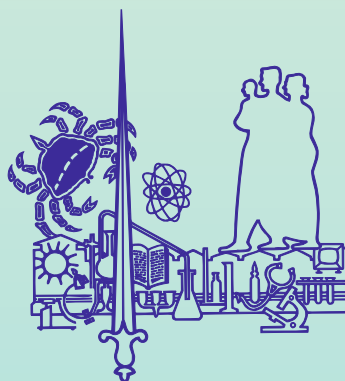


GCRI Annual Report 2021-2022

Q. RESEARCH ACTIVITIES

Q1. CONFERENCE PRESENTATION - INTERNATIONAL APRIL 2021 - MARCH 2022

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Medical Oncology				
1	Dr Rajan Yadav	Unresectable non small cell lung carcinoma, post CT-RT with early response to consolidation Durvalumab (Poster)	European Society of Medical Oncology- (ESMO)-Preceptorship on Immuno-oncology	Virtual 22-23 Nov 2021, Singapore
2		Efficacy and toxicity analysis of Imatinib in newly diagnosed patients of chronic myeloid leukemia: 18-years' experience at a single large-volume center (Poster)	European Society of Medical Oncology- (ESMO) - Targeted Anticancer Therapies Congress 2022	Virtual 7-8 Mar 2022, Paris, France
Molecular Diagnostic & Research Laboratory-II				
3	Ms Ashi Thobias	HPV Imprints in Western India: The overlooked criteria for cancer profiling (Oral)	Virtual UTRGV SOM Research Symposium: International Conference on Cancer Health Disparities	Virtual 13-14 Aug 2021, Texas, USA
Molecular Diagnostic & Research Laboratory-III				
4	Ms Bhoomi Tarapara	Association of clinicopathological parameters with BRCA1/2 mutation status in hereditary breast and ovarian cancer patients (ePoster)	Virtual 5 th International BRCA Forum Virtual-BRCA & Beyond-2020	Virtual 12-13 Aug 2021, Singapore





GCRI Annual Report 2021-2022

CONFERENCE PRESENTATION - NATIONAL APRIL 2021 - MARCH 2022

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Gynaecological Oncology				
1	Dr Bhavana Sontakke	The diagnostic significance of hyperfibrinogenemia and thrombocytosis in patients with ovarian tumors/adnexal masses (Oral)	28 th Annual Conference of the Association of Gynaecologic Oncologists of India	Virtual 12-14 Nov 2021, Kolkata
2	Dr Asha Kumari	Effect of time interval from completion of neo-adjuvant chemotherapy to starting of adjuvant chemotherapy after interval debulking surgery on survival of patients with advanced ovarian cancer (ePoster)		
3	Dr Abhilash Vasanth	The role of pre-operative assessment of CA-125 and HE4 levels in predicting high risk factors in endometrial cancer (ePoster)		
4	Dr Varsha Motwani	Assessment of ROPS ovarian cancer predicting score-A new scoring system for predicting ovarian malignancy in women presenting with pelvic mass (ePoster)		
5	Dr Vishakha Tyagi	To correlate between pre-operative radiological imaging, clinical and histopathological examination in patients of serous borderline ovarian tumors (ePoster)		
6	Dr Rubi Gupta	Diagnostic accuracy of frozen section in mucinous ovarian tumor (Oral)		
7	Dr Remi Abdul Shukur	Endometrial stromal sarcoma-A retrospective analysis of 30 cases (Poster)		
8	Dr Nishu	Knowledge attitude and practice on breast and cervical cancer screening method among female employees at Gujarat		



GCRI Annual Report 2021-2022

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Gynaecological Oncology				
		Cancer & Research Institute (ePoster)	28 th Annual Conference of the Association of Gynaecologic Oncologists of India	Virtual 12-14 Nov 2021, Kolkata
9	Dr Rujuta Hantodkar	Diagnostic value of neutrophil leukocyte ratio and platelet lymphocytes ratio to differentiate adnexal masses as benign or malignant in preoperative period (ePoster)		
10	Dr Anshul Bansal	Rare case presentation of concurrent endometrioid adenocarcinoma of ovary with papillary thyroid cancer (ePoster)		
11	Dr Faraz Vali	Evaluation of inadequately staged ovarian cancer patients referred to gynaecologic oncology center (ePoster)		
12	Dr Bijoy Kar	Role of lymph-node dissection in primary staging of early-stage mucinous ovarian cancer (ePoster)		
13	Dr Remi Abdul Shukur	Low grade ESS neo-adjuvant hormonal therapy use a novel idea (Oral)	10 th National Conference of Asia Oceania Research Organization on Genital Infections and Neoplasia	Virtual 3-5 Dec 2021, India
Community Oncology Centre, Vasna				
14	Dr Geeta Joshi	Narcotic Drugs and Psychotropic Substances (NDPS) act and its amendments (Invited Speaker)	Annual Conference of Indian Association of Palliative Care-2022	Virtual Feb 2022, Jaipur
Medical Oncology				
15	Dr Poulami Basu	A retrospective analysis of hormone positive Her2 neu negative metastatic breast carcinoma patient treated with Palbociclib at a tertiary care center in Western India (Poster)	Indian Society of Medical and Pediatric Oncology-Torrent Yung Scholar Award (ISMPO-TYSA) 2021	16 Jan 2022, Mumbai
16	Dr Vivek Patel	A retrospective analysis of CLL patients (treatment naive and previously		



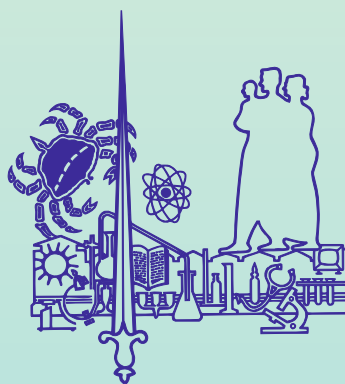
GCRI Annual Report 2021-2022

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
		treated), who were treated with Ibrutinib at a tertiary care center (Poster)		
17	Dr Poulami Basu	Findings on bone marrow examination of patients with pancytopenia referred to a tertiary care center in Western India (Oral)	Haematocon-2021	10-13 Nov 2021, Kolkata
18	Dr Rajan Yadav	Secondary acute promyelocytic leukemia in a young patient with treated breast cancer (Poster)		
Oncopathology				
19	Dr Sanjiban Patra	Primary Ewing sarcoma of the kidney: A series of four cases (ePoster)	48 th Annual Conference of KAPCON 2021	1-3 Oct 2021, Karnataka (Virtual)
20	Dr Sangita Vanik	Primary pleomorphic liposarcoma of bone: A report of two rare cases (ePoster)		
21	Dr Sunitha	The incidence of biopsy tract seeding in malignant bone tumors-a single institutional study (ePaper)		
Palliative Medicine				
22	Dr Varun Yadav	Utilization of intravenous lignocaine infusion as multimodal analgesic for chronic refractory cancer pain management (Poster)	29 th International Conference of Indian Association of Palliative Care (IAPCON-2022)	11-13 Feb 2022, Jaipur
23	Dr Lekha Raval	Use of indwelling peritoneal catheter for the management of recurrent ascites in patients having terminal malignancy (Poster)		



GCRI Annual Report 2021-2022
CONFERENCE PRESENTATION - STATE
APRIL 2021 - MARCH 2022

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Anaesthesiology				
1	Dr Hetal Rathva	Comparative study of intravenous dexmedetomidine HCL and tramadol HCL for the prevention of shivering during spinal anesthesia (Paper)	68 th Annual Conference of Indian Society of Anaesthesiologist	24-28 Nov, 2021, Ahmedabad
2	Dr Jupi Talukar	Anesthetic management a patient with renal cell carcinoma undergoing radical nephrectomy with IVC thrombectomy (Poster)		
3		Evaluation of the postoperative analgesic efficacy of ultrasound guided pectoral nerve block after modified radical mastectomy (Paper)		
4	Dr Vishal Solanki	Anesthetic management of a patient of anterior mediastinal mass with myasthenia gravis posted for thymectomy (Poster)		
5	Dr Rinkal Patel	Intranasal dexmedetomidine vs intranasal midazolam for premedication in pediatric patient undergoing surgery (Paper)		





GCRI Annual Report 2021-2022
Q2. PUBLICATIONS
APRIL 2021-MARCH 2022

Anaesthesiology	
1	Kinna Shah, Jayshree Thakkar: Tracheal intubation using a video laryngoscope assisted by transtracheal illumination with an LED vein finder. <i>Airway</i> . 2021; 4: 98-103.
2	Dhaval Chavda, Rekha Solanki, Suman Fefar, Jayshree Thakkar: Comparison between intraperitoneal instillation of bupivacaine HCL and bupivacaine HCL plus tramadol for pain relief after laparoscopic surgeries. <i>Int J Sci Res</i> . 2022; 11: 76-78.
3	Rekha Solanki, Amita Jansari, Jayshree Thakkar: Comparison of short axis and oblique axis approaches for ultrasound guided internal jugular vein cannulation. <i>Int J Dent Med Sci</i> . 2021; 3: 402-408.
4	Rekha Solanki, Jayshree Thakkar: Perioperative anaesthetic management of onco-surgeries during COVID-19 pandemic. <i>Essentials of COVID-19 for Anaesthesiologists</i> . 2022; 13: 137-154.
Cytogenetics Lab	
5	Pina Trivedi, Dharmesh Patel, Priya Varma, Mahnaz Kazi: Identification of a novel unbalanced t(4;8) (q12;q24) in paediatric acute myeloid leukemia M2 with AML-ETO negative patient by fluorescence in situ hybridization technique. <i>J Clinical and Laboratory Research</i> . 2022; 5: 74-78.
6	Dharmesh Patel, Pina Trivedi, Priya Varma, Mahnaz Kazi, Prabhudas Patel: A novel case of sole constitutional non-homologous robertsonian translocation rob (14;15) (q10;q10) in B-cell acute lymphoblastic leukemia. <i>J Clinical and Laboratory Research</i> . 2022; 5: 71-75.
7	Hiral Mandalia, Dharmesh Patel, Pina Trivedi, Prabhudas Patel: Clinical significance of HER 2 gene expression in gastric cancer patients-A retrospective study. <i>Int J Sci Res Rev</i> . 2021; 10: 9-18.
Gynaecological Oncology	
8	Bijoy Kar, Pariseema Dave, Bijal Patel, Chetna Parekh: Ultra-high risk gestational trophoblastic neoplasia (GTN) with lung, liver and brain metastasis: A case study depicting diagnostic dilemma and clinical challenges of management. <i>GCS Res J</i> . 2021; 23: 28-29.
9	Remi Abdul Shukur, Bijal Patel, Pariseema Dave, Chetna Parekh, Bijoy Kar: Steroid cell tumour ovary: An unusual presentation. <i>GCS Res J</i> . 2021; 23: 30-31.
10	Nishu, Pariseema Dave, Bijal Patel, Chetna Parekh: Endometrial intraepithelial neoplasia in a treated case of carcinoma colon: A case report. <i>GCS Res J</i> . 2021; 23: 32-33.
11	Rubi Gupta, Chetna Parekh, Pariseema Dave, Bijal Patel, Bijoy Kar: Mixed endometrial carcinoma rare histological type. <i>GCS Res J</i> . 2021; 23: 34-35.
Immunohematology Lab	
12	Nidhi Trivedi, Nupur Patel, Hemangini Vora: Evaluation of the expression of estrogen receptor, progesterone receptor and Her-2/ neu in ovarian cancer. <i>GCS Res J</i> . 2021; 23: 3-8.
Molecular Diagnostics and Research Lab I	
13	Kinjal Gajjar, Toral Kobawala, Hemangini Vora, Nandita Ghosh: Prognostic and predictive value of ERCC1, ERCC2 and XRCC1 protein expression in colorectal cancer patients. <i>Int J All Res Education and Scientific Methods</i> , 2021; 9: 868-878.
14	Toral Mandalia, Pariseema Dave, Ahuti Sinha, Kinjal Gajjar, Nandita Ghosh: Potential role of KRAS and BRAF in epithelial ovarian cancer. <i>Ind J Gynecologic Oncology</i> . 2021; 19: 1-8.
15	Toral Mandalia, Kinjal Gajjar, Nandita Ghosh: Significance of GSTP1 protein expression in invasive ductal carcinoma of breast. <i>GCS Res Journal</i> . 2021; 23: 9-18.



GCRI Annual Report 2021-2022

Molecular Diagnostics and Research Lab II

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| 16 | Shruti Patel, Neha Bhalala, Kinjal Panchal, Priti Trivedi, Trupti Trivedi: MGMT promoter methylation status using droplet digital PCR in glioma patients: Association with Treatment Response and Survival. <i>Int J All Res Education and Scientific Methods</i> . 2021; 9: 324-333. |
| 17 | Trupti Trivedi, Kinjal Panchal, Neha Bhalala, Priti Trivedi, Harsha Panchal: Combined detection of copy number variations of MYCN and ALK using droplet digital polymerase chain reaction to identify high-risk patients with neuroblastoma. <i>World Neurosurgery</i> . 2022; 156: 48-57. |

Molecular Diagnostic and Research Lab III

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| 18 | Kinjal Patel, Maitri De, Disha Jethva, Bharati Rathod, Prabhudas Patel: Alterations in sialylation patterns are significantly associated with Imatinib Mesylate resistance in chronic myeloid leukemia. <i>Arch Med Res</i> . 2022; 53: 51-58. |
| 19 | Kinjal Patel, Hemangini Vora, Prabhudas Patel: Transcriptional biomarkers in oral cancer: An integrative analysis and the cancer genome atlas validation. <i>Asian Pac J Cancer Prev</i> . 2021; 22: 371. |
| 20 | Disha Jethva, Bharati Rathod, Ashi Thobias, Jayendra Patel: Clinical relevance of cotinine and nicotine levels as tobacco exposure biomarkers in oral cancer patients. <i>Int J Res and Rev</i> . 2022; 9: 247-253. |
| 21 | Helly Khatri, Disha Jethva, Ashi Thobias, Bharati Rathod, Jayendra Patel: Clinical correlation of lactate dehydrogenase activity with JAK2V617F and FLT3 mutations in myeloproliferative disorders and acute myeloid leukemia: Indian Population, <i>GCSMC J Med Sci</i> . 2021; 74-78. |

Molecular Diagnostic and Research Lab IV

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| 22 | Apexa Raval, Jigna Joshi, Franky Shah: Significance of metastatic miR-10b in breast cancer therapeutics. <i>J Egypt Natl Canc Inst</i> . 2022; 19. |
| 23 | Bhoomi Tarapara, Franky Shah: An in-silico analysis to identify structural, functional, and regulatory role of SNPs in hMRE11. <i>J. Biomol. Struct</i> . 2022; 1-15. |
| 24 | Hitarth Patel, Jigna Joshi, Apexa Raval Franky Shah: Identification of Natural Compounds to Inhibit Sonic Hedgehog Pathway in Oral Cancer. <i>Anticancer Agents Med Chem</i> . 2021; 9 pages. |

Oncopathology

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| 25 | Sanjiban Patra, Priti Trivedi, Kanwalpreet Kaur: Histiocytic and follicular dendritic cell sarcoma: Diagnostically challenging rare entities. <i>Indian J Pathol Microbiol</i> . 2021; 64: 316-322. |
| 26 | Kanwalpreet Kaur, Trupti Patel, Sanjiban Patra, Priti Trivedi: Cytomorphology, immunophenotype, and cytogenetic profile of leukemic serous effusions. <i>Diagn Cytopathol</i> . 2021; 49: 948-958. |
| 27 | Sanjiban Patra, Priti Trivedi, Anand Shah: Primary sarcoma of the head and neck: Three years' experience in a tertiary care cancer center. <i>Asian J Oncol</i> . 2021; 5-6. |
| 28 | Sunitha Shankaralingappa, Hemangi Joshi, Jayendra Patel, Prabhudas Patel, Jyoti Sawhney: FLT3 gene mutation in acute myeloid leukemia: Correlation with hematological, immunophenotypic, and cytogenetic characteristics. <i>Asian J Oncol</i> . 2021. |
| 29 | Sangita Vanik, Shailee Mehta, Rujuta Shah, Priti Trivedi, Priyank Rathod, Supreet Bhatt: Giant cutaneous horn: Is it a tip of an iceberg? two case reports and a review of literature. <i>Int J Otorhinolaryngol Head Neck Surg</i> . 2021; 1-4. |
| 30 | Sanjiban Patra, Priti Trivedi: Isolated cutaneous Langerhans cell histiocytosis in circumcised preputial skin. <i>J Hematology and Allied Sciences</i> . 2021; 1. 84. |
| 31 | Jagdish Prajapati, Biren Parikh: Intraoperative frozen section analysis - A study of tertiary care centre. <i>Int J Cur Res Rev</i> . 2021; 13. |
| 32 | Nagarjun B.R., Kalaharaghini, Jyoti Sawhney, Pina Trivedi, Karthik Dhandapani, Biren Parikh: A retrospective observational study of progression of myelodysplastic syndrome to acute leukemia: Should we look beyond revised international prognostic scoring system. <i>Indian J Med Paediatric Oncol</i> . 2021; 42: 431-438. |



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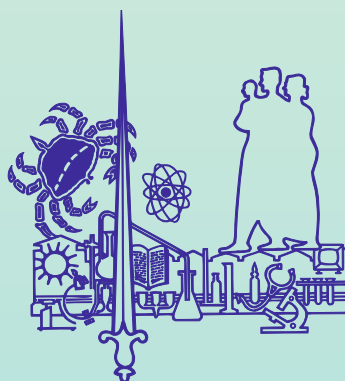
33	Hemangi Joshi, Biren Parikh: Analysis of various automated reticulocyte parameters in oncology patients. <i>Int J Cur Res Rev.</i> 2021; 13: 8-12.
34	Ashini Shah, Amisha Gami, Neeta Desai, Jahnvi Gandhi, Priti Trivedi: Tumor budding as a prognostic indicator in colorectal carcinoma: A retrospective study of primary colorectal carcinoma cases in a tertiary care center. <i>Indian J Surg Oncol.</i> 2022; doi.org/10.1007/s13193-022-01498-7.
35	Sangita Vanik, Dhaval Jetly: Clinicopathological and immunohistochemical analysis of 72 cases of extragonadal germ cell tumors-Single institutional experience. <i>Int J Sci Res.</i> 2022; 11(2).
36	Kanwalpreet Kaur, Ashini Shah, Jahnvi Gandhi, Priti Trivedi: Mucinous cystadenocarcinoma of breast: A new entity with broad differentials- A case report. <i>J Egypt Natl Cancer Inst.</i> 2022; 34:9.
37	Sanjiban Patra, Priti Trivedi, Chirag Jhaveri: Phosphaturic mesenchymal tumor: An under diagnosed rare entity. <i>Indian J Pathol Microbiol.</i> 2022; 65: 181-183.
38	Kanwalpreet Kaur, Shailee Mehta, Sangita Vanik, Priti Trivedi, Nirmalya Banerjee, Harsh Dhar, Sourav Datt, Subhadeep Karanjai: The evolving role of molecular pathology in the diagnosis of salivary gland tumours with potential pitfalls. <i>Eur Arch Oto-Rhino-Laryngol.</i> 2022; DOI: 10.1007/s00405-022-07326-6.

Palliative Medicine

39	Ravi Umrana, Dwija Patel, Bhavna Patel, Manisha Singh, Priti Sanghavi, Himanshu Patel: Survey of psychosocial issues of nasogastric tube feeding in head-and-neck cancer patients. <i>Indian J Palliat Care.</i> 2021; 27: 113-117.
40	Lekha Raval, Ravi Umrana, Bhavna Patel, Priti Sanghavi: Various tools for assessment of pain. <i>Int. J. Evidence Based Nursing.</i> 2021; 4: 61-69.
41	Shrenik Ostwal, Richa Singh, Priti Sanghavi, Himanshu Patel, Queenjal Anandi: Correlation between symptom burden and perceived distress in advanced head and neck cancer: A prospective observational study. <i>Indian J Palliat Care.</i> 2021; 27: 419-425.

Radiation Oncology

42	Maitrik Mehta, Aastha Shah, Isha Shah, U. Suryanarayan: Solitary plasmacytoma of the breast. <i>J Radiat Cancer Res.</i> 2021; 12: 33-35.
43	Jayesh Singh, Astha Shah, Ankita Parikh, Isha Shah, Dinesh Anand, Himanshi Jain, U Suryanarayana. High dose rate brachytherapy boost following external radiotherapy in a case of carcinoma external ear. <i>Ind J Otolaryngol.</i> 2022; 1: 80-83.
44	Maitrik Mehta, Isha Shah, Ankita Parikh, U. Suryanarayan, Harsha Panchal, Jayesh Singh, Arun T: Assessment of cranial radiotherapy treatment in T-cell lymphoblastic lymphoma: Retrospective study from tertiary care center. <i>Ind J Med Paediatr Oncol</i> 2022; 43: 177-184.
45	Isha Shah, Siddharth Malukar, Jayesh Singh, Ankita Parikh, U. Suryanarayan: Temporal bone rhabdomyosarcoma mimicking chronic supportive otitis media. <i>Indian J Otol</i> 2022; 28: 88-90.





GCRI Annual Report 2021-2022

Q3. ONGOING EXTRAMURAL RESEARCH PROJECTS APRIL 2021 - MARCH 2022

No.	Name of PI	Project Title	Funded by
Cytogenetics Lab			
1	Dr Pina Trivedi	Assessment of MYC and BCL2 and/or BCL6 rearrangements in high-grade B-cell lymphoma	GCS/GCRI
2	Dr Pina Trivedi	Identification of oligodendroglia specific chromosomal changes 1p36/19q13.3 co-deletion by FISH analysis	GCS/GCRI
3	Dr Dharmesh Patel	Clinical significance of molecular cytogenetic studies in acute lymphoblastic leukemia patients	GCS/GCRI
4	Dr Dharmesh Patel	Cytogenetic exploration of Ewing sarcoma with emphasis on rearrangement of EWSR1 gene	GCS/GCRI
Collaborative Projects-Immuno-hematology and Oncopathology Labs			
5	Dr Priti Trivedi Dr Hemangini Vora	Study of hormonal markers and proliferative markers in pituitary adenoma-Completed	GCS/GCRI
6	Dr Priti Trivedi Dr Kruti Rajvik	Histological and molecular subtyping of medulloblastoma using immunohistochemical markers and its prognostic significance	GCS/GCRI
7	Dr Jahnvi Gandhi Dr Kruti Rajvik	Detection of ALK1, ROS-1, PDL1 using immunohistochemistry in non-small cell carcinoma of lung	GCS/GCRI
Immunohaematology Lab			
8	Dr Hemangini Vora	Development of miRNA profiling based signature of potential clinical relevance in triple negative breast cancer	GSBTM
9	Dr Kruti Rajvik Dr Hemangini Vora	Evaluation of HKII and LDH isoenzymes LDHA and LDHB in lung cancer patients	GCS/GCRI
10	Dr Nupur Patel Dr Hemangini Vora	Role of notch receptors in triple negative breast cancer	GCS/GCRI
11	Dr Hemangini Vora Dr Prabhudas Patel Dr Nandita Ghosh Dr Pina Trivedi	Development and validation of biomarkers and drug targets by molecular profiling of triple negative breast cancer-Completed	GSBTM
Medical Oncology			
12	Dr Harsha Panchal	I3Y-CR-JPBQ: A Randomized, double-blind, placebo-controlled, phase III study to compare NSAI (Anastrozole or Letrozole) plus Abemaciclib, a CDK4 and CDK6 inhibitor, or plus placebo, and to compare Fulvestrant plus Abemaciclib or plus placebo in postmenopausal women with hormone receptor-positive, HER2-negative locoregionally recurrent or metastatic breast cancer	Eli Lilly/IQVIA



GCRI Annual Report 2021-2022

No.	Name of PI	Project Title	Funded by
13	Dr Harsha Panchal	RI-02-003: 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 Laboratory
14	Dr Harsha Panchal	0329-17: A single arm, multicentric, open label, efficacy and safety study of Docetaxel lipid suspension for injection of Intas Pharmaceuticals Limited, India in patients with metastatic castration resistant prostate cancer	Intas (Lambda)
15	Dr Harsha Panchal	0063-17: A global, multicenter, three arms, open-label randomized study to evaluate the efficacy and safety of Nanosomal Docetaxel Lipid Suspension compared to Taxotere® (Docetaxel Injection Concentrate) in triple-negative breast cancer patients with locally advanced or metastatic breast cancer after failure to prior chemotherapy	Intas (Lambda)
16	Dr Harsha Panchal	D9102C00001 - A phase II randomized, multi-center, double-blind, global study to determine the efficacy and safety of Durvalumab plus Olaparib combination therapy compared with durvalumab monotherapy as maintenance therapy in patients whose disease has not progressed following standard of care platinum-based chemotherapy with durvalumab in first-line stage IV non-small cell lung cancer (ORION)	Astrazeneca/ Covance
17	Dr Harsha Panchal	A single arm study to evaluate the safety of Dacomitinib for the first-line treatment of participants in india with metastatic non-small cell lung cancer with epidermal growth factor receptor (EGFR)-activating mutations	Pfizer/ICON
18	Dr Harsha Panchal	Single arm study to evaluate the safety of Dacomitinib for the first-line treatment of participants in india with metastatic non-small cell lung cancer with epidermal growth factor receptor (EGFR)-activating mutations	Pfizer/ICON
19	Dr Harsha Panchal	A randomized, double-blind, placebo-controlled phase 3 study of darolutamide in addition to androgen deprivation therapy (ADT) versus placebo plus ADT in men with metastatic hormone-sensitive prostate cancer (mHSPC).	BAYER/Covance
20	Dr Harsha Panchal	A phase III, randomized, open-label, multicenter study evaluating the efficacy and safety of adjuvant giredestrant compared with physician's choice of adjuvant endocrine monotherapy in patients with estrogen receptor-positive, HER2-negative early breast cancer	Roche/PPD
21	Dr Shashank Pandya	A phase III randomized controlled study of inj. Proluton (Hydroxyprogesterone caproate) as single dose preoperative therapy in patients with high risk operable breast cancer	Tata Memorial Center



GCRI Annual Report 2021-2022

No.	Name of PI	Project Title	Funded by
22	Dr Shashank Pandya	Randomized controlled trial to assess blockade of voltage gated sodium channels during surgery in operable breast cancer	Tata Memorial Center
23	Dr Priti Sanghavi	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
24	Dr Kajal Shah	A randomised, double-blind, parallel-group, phase III study to compare the efficacy, safety, and immunogenicity of proposed Rituximab Biosimilar (DRL_RI) with MabThera® in subjects with previously untreated, stage ii-iv, cluster of differentiation (CD)20-positive, low tumour burden follicular lymphoma	Parexel (Dr. Reddy's)
Molecular Diagnostics and Research Laboratory I			
25	Dr Nandita Ghosh Dr Pariseema Dave	To explore the clinical value of molecular markers in epithelial ovarian cancer-A preliminary study	GCS/GCRI
26	Dr Nandita Ghosh	Clinical significance of expression of inflammatory response genes and DNA repair genes in colorectal carcinoma	GCS/GCRI
27	Dr Toral Mandalia	Exploring the role of miR-200 family in ovarian cancer patients	GCRI
28	Dr Toral Mandalia	Significance of molecules associated with cancer stemness in epithelial ovarian cancer	GCRI
Molecular Diagnostics and Research Laboratory II			
29	Dr Trupti Trivedi	Exploring significance of STAT3 signalling pathway in IDH wild type glioma patients	GCRI/GCS
30	Dr Trupti Trivedi	Elucidating clinical impact of Notch signalling pathway for medulloblastoma patients	GCRI/GCS
Molecular Diagnostic and Research Laboratory III			
31	Dr Jayendrakumar Patel	Evaluation of association of p16 expression with presence of HPV DNA in oropharyngeal cancer patients	GCRI/GCS
32	Dr Jayendrakumar Patel	Clinical Significance of JAK2V617F mutation and its validation droplet digital PCR method for myeloproliferative diseases	GCS-GCRI
33	Dr Prabhudas Patel	Significance of Galactin-3 in association with glycosylation in oral cancer	ICMR
34	Dr Hemangini Vora Dr Prabhudas Patel Dr Trupti Trivedi Dr Jayendrakumar Patel	Development and validation of biomarker Panel for early detection and enhanced management of oral (Buccal Mucosa) cancer-Completed	GSBTM



GCRI Annual Report 2021-2022

No.	Name of PI	Project Title	Funded by
Molecular Diagnostic and Research Laboratory IV			
35	Dr Franky Shah	Evaluation of YAP/TEZ axis in breast cancer	GCS/GCRI
Oncopathology			
36	Dr Amisha Gami	Cytogenetic exploration of Ewing sarcoma with emphasis on rearrangement of EWSRI gene	GCRI
37	Dr Beena Brahmbhatt	Assessment of MYC and BC12 and /or BC16 rearrangements in high-grade B cell lymphoma	GCRI
38	Dr Priti Trivedi	Histological and molecular subtyping of medulloblastoma using immunohistochemical markers and its prognostic significance	GCRI





GCRI Annual Report 2021-2022

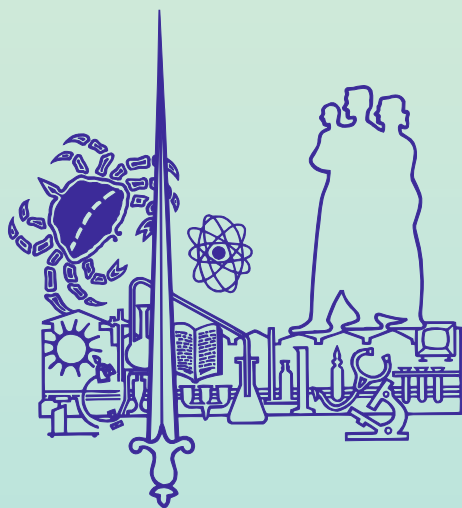
R. LIST OF EQUIPMENTS 2021 - 2022

Sr. No.	Name of the Equipment	Department	Qty	Company	Total Cost
1	Dragger Adult & pediatric ICU Ventilator (Dragger) Bid No. GEM/2021/B/1356089	Anaesthesiology	1	Viral Enterprise	1100000
2	Tube Sealer (Old Bid No: GEM/2021/B/973462)Bid No. GEM/2021/B/1336547 RA	Blood Bank	2	H S Medical System	138000
3	Electrophoresis System (Horizontal) Single Moulded	Cancer Biology	1	Igene Labserve Pvt. Ltd (Gem Order)	89000
4	Next Generation Sequencing Facility	Cancer Biology	1	Life Technologies Holdings Pvt. Ltd. Invitrogen Bioservices India Pvt. Ltd. Group Entities of ThermoFisher Scientific	USD 277443
5	Vacuum Concentr+G13+B18:B27+B18: B28+G13+B18:B27+G1+B18:B 28	Cancer Biology	1	M/s. Empire Enterprise	1067900
6	Automated Bacterial Identification & Susceptibility Testing System	Microbiology	1	Biomerieux India Private Limited (Gem Order)	1475000
7	Vertical Autoclave (22 Ltr) (GEMC-511687739862985)	Microbiology	1	Ocean Life Science Corporation, Delhi	148500
8	Medical Centrifuge (GEMC-511687766703532)	Microbiology	1	Biomole India	47952
9	Low Temperature Hydrogen Peroxide Gas Steriliser (GEM/2021/B/1310362)	Microbiology	1	J B Biomedical	7598896
10	Medical Centrifuge	Oncopathology	1	Aim Associates	50315
11	Liquid Based Cytology	Oncopathology	1	M/s. Becton Dickinson India Private Limited	12000000
12	Teaching Pathology Research Microscope (Penta Head)	Oncopathology	1	M/s. Radical Scientific Equipment Pvt. Ltd.	820000
13	Protein Electrophoresis	Oncopathology	1	M/s. Sebia Diagnostic India Pvt. Ltd	5480000



GCRI Annual Report 2021-2022

Sr. No.	Name of the Equipment	Department	Qty	Company	Total Cost
14	Radiation Field Analyzer for Beam Dosimetry Linear Accelerators	Medical Physics	1	M/s. Scan O Plan System (India)	7975430
15	Secondary Standard Dosimeter with Former Chamber	Radiation Oncology	2	M/s. Scan O Plan System (India)	1414570
16	Flat Detector Based Digital Radiography and Fluoroscopy System	Radiodiagnosis	1	M/s. Simens Healthcare Pvt. Ltd.	32957200
17	Ultra Sonography Machine	Radiodiagnosis	1	M/s. Philips India	3980470
18	Latest State Art High End USG	Radiodiagnosis	2	M/s. Philips India	7368510
19	USG for Focusing on Breast Imaging	Radiodiagnosis	1	M/s. Philips India	6752810
20	Autoclave (Horizontal), Working Pressure 20 (PSI) RA:GEM/2021/R/40823	Rajkot	1	Science Enterprises	187600
21	Operation Theatre Table	SCCRI-Sidhdhpur	1	Aim Associates	129764
22	OT Light	SCCRI-Sidhdhpur	1	Aim Associates	38998
23	Radiation Field Analyzer for SCCC	SCCC-Saurashtra	1	M/s. Scan O Plan System (India)	15995750
24	Sanitizing Machine GEMC-511687798603833	Various Dept.-GCRI	5	Perfect Enterprises	93041





GCRI Annual Report 2021-2022

THE GUJARAT CANCER & RESEARCH INSTITUTE

(M. P. SHAH CANCER HOSPITAL)

Affiliated to B J Medical College

FINANCIAL STATEMENT

(BALANCE SHEET)

2021 - 2022

Medicity, Asarwa, Ahmedabad 380 016, Gujarat, INDIA

Tel: 079-22688000 (Hunting); Fax: 079-22685490



GCRI Annual Report 2021-2022

MUKESH M. SHAH & CO.

CHARTERED ACCOUNTANTS

INDEPENDENT AUDITOR'S REPORT ON THE FINANCIAL STATEMENTS
TO THE TRUSTEES/MEMBERS OF The Gujarat Cancer and Research Institute, Ahmedabad
[A Trust registered under the Bombay Public Trust Act, 1950, F/451/Ahmedabad dtd. 29.01.1972]

Opinion

We have audited the accompanying financial statements of **The Gujarat Cancer and Research Institute, Ahmedabad** ("the Trust"), which comprise the Balance Sheet as at 31st March, 2022, the Statement of Income and expenditure Account for the year then ended, and a summary of the significant accounting policies and other explanatory notes.

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- (a) in the case of the Balance Sheet, of the state of affairs of the Trust as at 31st March, 2022; and
- (b) in the case of the Statement of Income & Expenditure Account, of the Excess of Income over Expenditure for the year ended on 31st March, 2022.

Basis for Opinion

We conducted our audit in accordance with Standards on Auditing (SAs). Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the entity in accordance with the ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation of the financial statements in accordance with The Bombay Public Trust Act, 1950 ("the Act") and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error. In preparing the financial statements, management is responsible for assessing the entity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the entity or to cease operations, or has no realistic alternative but to do so. Those charged with governance are responsible for overseeing the entity's financial reporting process

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.



GCRI Annual Report 2021-2022

MUKESH M. SHAH & CO.

CHARTERED ACCOUNTANTS

- Obtain an understanding of internal control relevant to the audit 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 entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the entity to cease to continue as a going concern.
- We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Report on Other Legal and Regulatory Requirements

As required under section 33(2) of the Bombay Public Trust Act, 1950, we further report that –

- (a) The accounts are maintained regularly and in accordance with the provisions of the Act and the Rules thereunder.
- (b) The Income and Expenses are properly and correctly shown in the accounts.
- (c) The cash balance and vouchers in the custody of the authorised person on the date of audit were in agreement with the accounts.
- (d) Books, Deed, Accounts vouchers and other documents and records required by us were produced before us.
- (e) A register of movable properties of the trust duly certified by the trustee has been properly maintained.
- (f) There are no defects and inaccuracies mentioned in the previous audit report which need to be complied with.
- (g) The Chief Accountant appeared before us and furnished necessary information required by us.
- (h) No properties of funds were applied for any object or purpose other than the object or purpose of trust.
- (i) There are no amounts outstanding for more than 1 year and amount written off were Rs. NIL.
- (j) Tenders were generally invited for repairs and construction work where the amount exceeded Rs. 5,000/-.
- (k) No money of the Trust have been invested contrary to the provisions of Section 35 of the Act.
- (l) We have not come across any case of alienations of immovable property contrary to the provision of section 36 of the act.

For Mukesh M. Shah & Co.
Chartered Accountants
Firm Registration No.: 106625W

C S Shah
Chandresh S. Shah
Partner

Membership No.: 042132
Place: Ahmedabad
Date: September 24, 2022.
UDIN: 22042132AWNAED8445





GCRI Annual Report 2021-2022

NAME OF PUBLIC TRUST: THE GUJARAT CANCER AND RESEARCH INSTITUTE							
Trust No: F/45/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, 2022							
Bank Account No. of Trust for transactions of Foreign Contribution 40137198509 F.C.R.A No. 041910456 Date: 20.1.2014 State Bank of India, New Delhi Main Branch, New Delhi							
FUNDS AND LIABILITIES	Sch. No.	INR		PROPERTY AND ASSETS	Sch. No.	INR	
		As at March 31,				As at March 31,	
		2022	2021			2022	2021
Trust Funds or Corpus	1	1,25,66,63,621	1,25,66,63,621	Immovable Properties	5	3,25,29,613	3,25,29,613
Other Earmarked Funds:				Investments-Fixed Deposits with HDFC Limited		1,73,76,00,000	1,55,85,00,000
Depreciation Fund	5	44,74,73,782	48,57,10,406	Medical Equipments, Furniture, Fixtures & Others	5	2,06,34,91,577	1,91,95,17,791
Sinking Fund		-	-	Loans(Secured or unsecured)			
Reserve Fund		-	-	Good/Doubtful		-	-
Any Other Funds	2	4,06,57,76,220	3,58,21,86,375	Loan Scholarships		-	-
		4,53,34,50,002	4,06,78,96,781	Other Loans		-	-
Loans(Secured or Unsecured):				Sundry Debtors	4	14,16,06,722	10,29,22,120
From Trustees		-	-	Inventories	7	2,60,78,217	1,64,16,514
From Others		-	-	Advances:			
Liabilities:				To Trustees		-	-
For Expenses	3	15,22,78,674	11,66,52,208	To Employees		1,21,923	3,69,022
For Advances		3,44,32,301	3,10,73,794	To Contractors		29,01,534	34,25,520
For Rent and Other Deposits	4	7,73,12,405	4,45,88,449	To Lawyers		-	-
For Sundry Creditors and other payables		31,68,81,939	27,12,55,453	To Others	8	28,09,28,652	27,90,75,065
		68,29,05,319	44,35,70,104	Income Outstanding:			
Income and Expenditure Account:				Rent		-	-
Balance as per Last Balance Sheet		(40,53,10,048)	(61,21,16,400)	Interest		4,98,89,514	2,36,89,896
Add: Surplus as per Income and Expenditure Account		4,14,34,584	68,06,352	Other Income		-	-
		(56,38,75,464)	(60,53,10,048)			4,98,89,514	2,36,89,896
Significant Accounting Policies	12A			Cash and Bank Balances			
Notes to the Financial Statements	12B			(a) In Current & Saving Accounts and Fixed Deposit Accounts	9	1,47,24,49,067	1,24,52,74,054
				(b) In F.C.R.A Account No 40137198509 and Fixed Deposit Account	9	13,91,943	9,36,766
				(c) With the Trustee		-	-
				(d) With the Cashier	9	1,55,316	1,64,079
						1,47,39,96,326	1,24,63,74,909
TOTAL		5,80,91,43,478	5,18,28,20,458	TOTAL		5,80,91,43,478	5,18,28,20,458

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> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Pankaj R. Patel Chairman & Trustee Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000 </div> <div style="text-align: center;"> Prashant J Kharivala Trustee Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000 </div> <div style="text-align: center;"> Dr. Shashank J Pandya Director </div> </div>	<p style="text-align: right;">As per our report of even date attached</p> <div style="text-align: right;"> For, Mukesh M Shah & Co., Chartered Accountants Firm Reg. No.104625W C. S. Shah (Chandresh S Shah) Partner Membership No. 042132 7th Floor, Heritage Chambers, B/H. Bikanerwala, Off S.M Road, Nr Azad Society, Nehru Nagar, Ahmedabad-380015 Phone No: 26472000 </div>
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Place: Ahmedabad Date: 24-9-2022

Place: Ahmedabad Date: 24-9-2022



GCRI Annual Report 2021-2022

THE GUJARAT PUBLIC TRUSTS ACT, 1950 SCHEDULE VIII [VIDE RULE 17(I)] NAME OF PUBLIC TRUST: THE GUJARAT CANCER AND RESEARCH INSTITUTE Trust No: F/491/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, 2022							
Bank Account No. of Trust for transactions of Foreign Contribution 40137198509 F.C.R.A No. 041910456 Date: 20.1.2014 State Bank of India, New Delhi Main Branch, New Delhi							
EXPENDITURE	Sch. No.	INR		INCOME	Sch. No.	INR	
		For the year ended March 31				For the year ended March 31	
		2022	2021			2022	2021
To Expenditure in respect of properties:				By Income			
Rates, Taxes, Cesses		19,81,551	1,36,17,557	Hospital Income		34,63,43,890	40,53,20,012
Repairs and Maintenance		36,87,082	28,92,794	By Rent (accrued/realized)		-	-
Salaries		-	-	By Interest (accrued/realized)		-	-
Insurance		-	-	On Securities		-	-
Depreciation	5	7,36,865	8,81,853	On Loans		-	-
Other Expenses		-	-	On Bank Accounts		4,18,36,022	5,21,20,278
		64,05,498	1,73,92,204	By Dividend		-	-
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		33,42,610	31,82,815	041910456 Date: 20.1.2014		-	-
To Audit Fees		4,30,700	4,30,700	By Grants from Government of Gujarat	10	1,04,95,85,000	1,08,54,47,000
To Contribution and fees		-	-	By Income from Other Sources		89,11,401	1,61,59,186
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	70,04,322	1,40,82,460				
To Amounts transferred to Reserve of Specific Funds							
To Expenditure on objects of the Trust:							
(a) Religious		-	-				
(b) Educational		-	-				
(c) Medical Relief	11	1,40,80,58,599	1,51,71,51,945				
(d) Relief of Poverty		-	-				
(e) Other charitable objects		-	-				
To Surplus Carried over to Balance Sheet		4,14,34,584	68,06,352				
Significant Accounting Policies	12A						
Notes to the Financial Statements	12B						
TOTAL		1,46,66,76,313	1,55,90,46,476	TOTAL		1,46,66,76,313	1,55,90,46,476

FOR AND ON BEHALF OF TRUSTEES

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

Prashant Kinariwala
Prashant Kinariwala
Trustee

Dr. Sheshank J. Pandya
Dr. Sheshank J. Pandya
Director

As per our report of even date attached

For, Mukesh M Shah & Co.,
Chartered Accountants
Firm Reg. No. 106625W

C. S. Shah
(Chandresh S Shah)
Partner
Membership No. U42132
7th Floor, Heritage Chambers, B/h.
Bikanerwala, Off S.M Road, Nr Azad Society, Nehru
Nagar, Ahmedabad-380015 Phone No: 26472000

Place: Ahmedabad
Date: 24/03/2022

Place: Ahmedabad
Date: 24/03/2022



GCRI Annual Report 2021-2022

ACKNOWLEDGMENT

Our sincere thanks and gratitude to:

Shri Acharya Devvrat, His Excellency the Governor of Gujarat

Shri Bhupendrabhai Patel, Hon'ble Chief Minister, Gujarat State

Shri Pankaj Kumar, IAS, Chief Secretary, Govt. of Gujarat

Shri Manoj Aggarwal, IAS, Addl. Chief Secretary, Health & Family Welfare Dept., Govt. of Gujarat

Smt. Shahmeena Husain, IAS, Commissioner of Health, Govt. of Gujarat

Ms Manisha Chandra, IAS, Secretary, (Expenditure), Finance Dept., Govt. of Gujarat

Shri Raj Kumar, IAS, Chairman, GMDC, Ahmedabad

Dy Director General, Dir. General & Health Services, Ministry of Health & Family Welfare,
Government 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 GCSMCH & RC

Annual Report Preparation Committee

Head of Departments / Units / Services / Administrative Sections

Dr. Hemangini Vora, Dr. Trupti Trivedi, Mr. Rushi Patel, Mr. Mahendra Kumpavat

