



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 2022 - 2023

Shri Pankaj R. Patel
Chairman, Governing Board, GCRI

Members of Governing Board

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Govt. of Gujarat**

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Shri Kshitish Madanmohan
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Shri Prashant Kinarivala
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Nominated by Govt. of India

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& Member Secretary

Purchase Committee Members

Shri Prashant Kinarivala
Trustee, Gujarat Cancer Society
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Shri Kshitish Madanmohan
General Secretary, Gujarat Cancer Society
Member

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Special Invitee

Shri Deevyesh Radia
Secretary, GCS
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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
2022 - 2023**

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GCRI Annual Report 2022-23

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.



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Our Vision

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

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

Our Core Values

GCRI is dedicated to

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

कवचिदर्थं कवचिद्धर्मं कवचित् मैत्रीपरायणम् ।
कर्माभ्यासं कवचिच्चैति चिकित्सा नास्ति निष्फला ॥

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



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GCRI PROFILE AT A GLANCE

GCRI - Speciality Hospital for Cancer Regional Cancer Centre

- 1000 Indoor Beds - Largest Cancer Hospital of the Country
- 25,094 New Cases
- 2,96,355 Outdoor Patients
- 25,583 Indoor Admissions
- 23,60,521 Laboratory Tests
- 1,19,990 Imaging and Radiological Investigations
- 17,070 Major and Minor Surgeries
- 41,913 Chemotherapy Treatment
- 5,498 Radiation Treatment

GCRI - Speciality Medical Education Centre

- DM - Medical Oncology, Oncopathology
- MCh - Surgical Oncology, Gynaecological Oncology
- MD - Radiodiagnosis, Anaesthesiology,
Radiation Oncology, Palliative Medicine, Microbiology
- Postgraduate Students - 172 Students
- PhD - Life Sciences - 7 Students
- MSc in Cancer Biology - 30 Students
- MSc - Medical Physics - 26 Students
- Postgraduate Diploma in Medical Laboratory Technology - 48 Students
- Certificate Course in Medical Radiotherapy Technology - Students



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GCRI PROFILE AT A GLANCE

GCRI - Research Organisation

- 5 Well Equipped Research Labs
- 28 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



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A. ANAESTHESIOLOGY

Professor & Head: Dr Jayshree Thakkar

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

Assistant Professors: Dr Bijal Shah, Dr Rekha Solanki, Dr Misha Agarwal, Dr Tanmay Tank (Till 26.3.2023),
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-anaesthetic check-up and anaesthesia fitness, intra-operative management, and post-operative care of the patients. Also provides anaesthesia or monitored anaesthesia care as per the requirement of the patient and surgeons. Different super specialties like Plastic surgeries, Musculo-skeleton surgeries, Urology surgeries, Neuro Oncology, Gynaecological surgeries etc. are involved in the 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 and minor

surgical procedures, gynaecological surgeries, and neurological surgeries. Covid related service is also provided. Anaesthesia department also gives services for day care surgeries and providing monitored anaesthesia or providing only monitoring care for radiotherapy patients, patients undergoing radiological procedures, invasive procedures in IVTC or CT scan, PET Scan and MRI. The department takes the lead in peripheral venous access as well as ultrasonography guided central venous access and arterial cannulation. USG guided regional nerve blocks are carried out as part of enhanced recovery protocol. All emergency calls for resuscitation (Code Blue activation), and venous access are attended by the departmental staff.

Details of Work Done	Number
Number of patients assessed-Pre Anaesthesia Check-up (PAC)	11325
Major Operations: Main OT, DSU OT, Neuro OT	1170



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Details of Work Done	Number
Day Stay Unit (GA + LA)	7935
Radiology procedures	432
Radium OT	908
Radiotherapy in pediatric patients Monitored Anesthesia	324
Interventional Therapy (IVT) under anaesthesia	171
Central line, Epidural catheter, and Lumbar puncture	1331

Major Achievements: **Dr Nita Gosai**, certified as CPR instructor by Indian Resuscitation Council on May 01, 2022. **Dr Dipika Patel**, recognized as Clinical Safety Officer, 2022. **Dr Rekha Solanki** is now EC member for Ahmedabad city branch, ISA-2022. She is a Member Secretary in GCRI CPR committee. She is a one of the members in GCRI Management Review Committee. She has completed e-course on Comprehensive Critical Care in May 2022, accredited by NBE. She has done Ethics Review of Health Research in December 2022 (NIE-ICMR e-certificate course). She has also received Public Awareness Award in Ahmedabad Metro City and she has received First Prize at ISACON in November, 2022 at Shillong. **Dr Lina Remtec** received first prize in paper presentation and **Dr Yarrei Vashi**, received second

prize in poster presentation at 7th CME on Innovation in Emergency Medicine was held on March 26, 2023 at NMC, Ahmedabad.

As a part of GCRI Golden Jubilee Alumini, the department has organized a lecture on “USG guided regional anesthesia-Type A blocks” on January 20, 2023 delivered by Dr Debesh Bhoi, AIIMS, New Delhi.

NABH directed Cardiopulmonary Resuscitation training is given to all the employees of GCRI by our dedicated team of CPR Instructors. COLS (Compressions only as Life Saving) training is also provided to the non medical volunteers as part of various health care campaigns.





B. COMMUNITY ONCOLOGY & MEDICAL RECORDS

Assistant Professor & Head: Dr Anand Shah

Medical Officer: Dr Rohini Patel

Medical Record Officer: Himanshu Patel

Statistical Assistants: Jayesh Solanki, Vishruti Pandya, Hetal Teli



Clinical Services:

New O.P.D.: During the year 2022-23, a total of 25,094 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 2,96,355 outdoor patients had come for follow up in the year 2022-23. 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	Number
Total new cases registered (Cancer & Non-cancer)	25094
Adult cases	23714
Pediatric cases	1380
Total number of outdoor patients visited	296355



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Details	Number
Patients of Special Investigations	13922
New admission during the year	25583
Inpatient days	234943
Average inpatient stay	9.8
Strength of beds	1000
Death during the year	1984
Haematological investigations	382232
Biochemical investigations	1643041
Bacteriology investigations	13696
Serology investigations	87813
Microbiology other tests	26169
Cytological investigations	16918
Histological examinations	115939
Bone marrow examinations	3647
Biopsy procedures (Other than Endoscopies & B.M.Bx.)	10855
HLA typing	284
Immunochemistry & Flowcytometry investigations	51860
Cytogenetics Tests	3119
Molecular Tests (Haematological cancers)	2997
Molecular Tests (Solid tumors)	1909
Molecular Tests (Brain tumors)	42
Total B.T. given to the patients	18426
Total Plasma / PRP given to the patients	26077
Imaging & Radiological Investigations	
MMR Ba. Swallow & other X-rays	63192
Ultrasound (USG)	17289
CT Scan	27107
MRI	5264
Mammograms	5908
OPG	0

Details	Number
Colour Doppler	1230
Radiation Treatment	
Brachy Therapy	815
Linear Accelerator	3633
Bhabhatron	608
Tomotherapy	163
Truebeam	241
Cyber Knife	38
Mould prepared for Planning	2413
Simulator treatment Planning	5393
Physics Planning	7265
Surgical Operations	
Major	4278
Minor	8542
I.V.T.C	3628
Neurosurgical Operations	622
Nuclear Medicine (Isotope)	
PET CT Scan	2246
Isotope Scan	2577
Iodine Therapy	88
Physiotherapy Treatment	31844
Total Number of Chemotherapeutic Procedures	41913
Bone Marrow Transplants	34
ECG	24991
Stoma Clinic Patients	2797
Prosthetic Patients	836
Palliative Care OPD (New and Old Cases)	24939
Cancer Screening OPD Beneficiaries	14269



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Academic Activities: The department is a very important section of the Institute. It works largely in five different areas such as (a) Cancer Screening OPD (b) Cancer Registry Programme (c) Community Outreach Activity (d) Cancer Epidemiology and (e) HPV Vaccine Project.

(a) Cancer Screening OPD: Cancer Screening OPD has been started in October 2021. The 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.

In year 2022-23, we have registered 14,269 beneficiaries in this OPD. Self-breast examination was taught to 4435 females, mammography was done for 422 females, and 691 females were examined for PAP smear test / liquid based cytology test. Beneficiaries with habit of using tobacco were also advised on tobacco cessation. Around 1200 plus beneficiaries were identified to have pre-cancerous condition like leukoplakia, erythroplakia, cervical lesion, lump and others. In this OPD, we have screened 32 confirmed cases for cancer. All these screened patients are being followed to take further treatment.

Colposcopy Test: In year 2022, we have started doing colposcopy test within our department. All female beneficiaries identified with suspected cervical lesions are screened through colposcopy and confirmed cases are then referred to Gynecology department for further treatment. In 2022, we have done more than 20 colposcopy check-up within Institute as well as in community outreach camps.

Auto Fluorescence Device for Screening Oral Cancers: We have also procured auto fluorescence device through which we are screening oral cancer cases.

(b) 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: Work of cancer data collection from various sources for the year 2021 and 2022 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 2020 is completed. Outside data collection and case file abstraction for the year 2021 and 2022 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 is to assess quality of hospital care and cancer services in covered area and to describe length and quality of survival in relation to



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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 2021 is completed. Case file abstraction and quality checks for the year 2022 is in progress.

(c) Community Outreach Activity: Two types of Cancer Camps were conducted by the department.

(I) 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, common cancers are discussed and natural history, warning signs and symptoms of cancer are explained to the visitors. Self-examination methods are emphasized particularly of oral cavity with need for quitting tobacco. Method of breast self-examination is also propagated among women visitors. Awareness about cancer is created by distribution of publicity material like pamphlets, posters, flip charts, exhibition, and audio-visual programmes.

(ii) Cancer Screening Camps: The objective of the detection camp is to detect cancers in their early stage especially oral cancers in men and breast and cervical cancers in women. Suspicious cases were referred to GCRI for further diagnostic and therapeutic care. A high tech cancer screening mobile van (Sanjeevani Rath) was launched in the year 2009 to detect the cancer patients in their early stages of the ailment, especially in rural areas. The expert team identifies suspected cases of possible cancer and if needed, refers them to GCRI for further evaluation. This mobile cancer screening van is equipped with advanced mammography machine which is very useful to detect breast cancer - the most common cancer found in women in their very early stage.

(d) Cancer Epidemiology: The statisticians of the department help doctor 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 99 GCRI staff requested for data retrieval and 32 GCRI staff were assisted for their statistical analysis work.

(e) 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. 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.

Public Services Offered: 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



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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 2022 to March 2023 are as follows.

No. of Education Camps during April 2022-March 2023	07
Number of Visitors	1590

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

Total 90 Cancer Screening camps were organized between April 2022 to March 2023. Following table shows summary report of Sanjeevani Rath camp activities.

No. of Cancer Screening Camps during April 2022-March 2023	90
Number of beneficiaries attended	5176
Head & Neck examinations	2944
Breast examinations	4284
Cervix examinations	3494
Other Sites examinations	11

Suspicious cases referred to GCRI	236
Head & Neck	94
Breast	94
Cervix	95

Total Pap Tests: 3250, Total Mammography: 541

During this period total 90 camps were organized across the state. District wise distribution is mentioned in following table.

District	No. of Camps
Ahmedabad	41
Amreli	01
Anand	02
Aravalli	04
Banaskantha	04
Bhavnagar	01
Gandhinagar	11
Jamnagar	02
Kheda	02
Mehsana	11
Narmada	03
Panchmahal	01
Sabarkantha	04
Surendranagar	01
Junagadh	01
Porbandar	01
Total	90

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, 4 patients were diagnosed with cancer and they have started treatment.



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Day Celebration: Department is taking active participation in celebration of different days like World No Tobacco Day, World Cancer Day, National Cancer Awareness Day etc.

The objectives of these celebrations are:

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

Following are the reports of various day celebrations organized during April 2022 to March 2023.

World No Tobacco Day: May 31, 2022: On May 31, 2022, World No Tobacco Day was celebrated at GCRI by distributing cancer awareness materials and pamphlets. This year's WHO theme for the day was "Tobacco: Treat to our environment". We conducted series of cancer awareness talks in Ahmedabad city and organized cancer screening camp at Visnagar Civil Hospital, Mehsana district.

World Environment Day: June 5, 2022: We celebrated World Environment Day by planting 17 trees in GCRI campus area. This activity was organized by the department with the support of "Doctors for You" and "Sanjeevani" NGOs.

National Cancer Awareness Day: November 7, 2022:

- Cancer screening OPD has started Colposcopy examination under guidance of Gynecology Department. Apart from in house clinics, we have successfully done more than 15 colposcopies in rural areas with the help of Mobile colposcope.
- Preventive oncology department has organized a camp for HPV DNA test for screening cervical cancer among female staff of GCRI. Total 367 females have participated. Out of which five were positive for HPV 16, four were positive for HPV 18 and 25 were positive for other HPV types. As per WHO cervical cancer screening guidelines "Screen, Triage and Treat", all these females will be triage as per cytology report and will further evaluated by colposcopy examination.

World Cancer Day: February 4, 2023:

- **Cancer Awareness Workshop at GCRI:** We have organized a cancer awareness activity for 60 college students of Shree Swaminarayan Ayurvedic College, Kalol on February 1, 2023. A cancer awareness workshop was organised for these students which was followed by a tour of the cancer institute's facilities. These students were taught about common danger signs and preventive techniques for oral, breast, and cervical cancers, which will be extremely useful to them in their future clinical careers. Female Cancer Screening Camp by HPV DNA test and mammography test was also organised.

- **Female Cancer Screening Camp by HPV DNA test and mammography test at Rajpipla area of Gujarat on February 2 & 3, 2023:** Around 350 tribal females in the area were tested for cervical cancer using an advanced HPV DNA test and were also screened for breast cancer by an oncologist. More than 800 female beneficiaries had taken part in this awareness and screening drive. Mobile mammography machine was used to investigate suspected breast cancer cases. All suspected cases were forwarded to the GCRI for further investigation. This camp was organised in collaboration with the Narmada District Health Department to improve beneficiary coordination. Collector of Narmada District was also present in this female cancer screening camp.

- **Cancer Awareness Programme for Female Beneficiaries Visiting GCRI on February 4, 2023:**

On the occasion of World Cancer Day, we have organised a cancer awareness programme for female beneficiaries coming to GCRI. Nearly 200 plus beneficiaries had taken benefit of this awareness programme. Cancer awareness lecture were delivered on two of the most common female cancers: breast cancer and cervical cancer. Self-breast examination and importance of Pap smear was explained. Buzz about cervical vaccine was also created in this lecture. This event was also covered by a local news channel in Gujarati language.



C. GYNAECOLOGICAL ONCOLOGY

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

Professor and Head of Unit II: Dr Pariseema Dave

Professors: Dr Ruchi Arora, Dr Bijal Patel, 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 gynaecological 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 were taken. Total 132 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, 11 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, vulvar carcinoma. Department has Stryker hysteroscope with monitor for diagnosis and hysteroscopic guided biopsy.

Details of Work Done	Number
OPD patients	New cases: 2286
	Old cases: 19872
Pap smear data	Pap Smear: 1058 LBC: 1276 Camps PAP smears: 2996
Cervical biopsy	1622
Vulvar biopsy	112
Endometrial aspiration	341
Colposcopy	132

Details of Work Done	Number
Radical hysterectomy + BPLND	10
Laparotomy for ovarian tumors	327
Staging laparotomy for endometrial cancer	73
Radical Vulvectomy + Groin dissection	19
Other major surgeries	59
Total major surgeries: 488	
Total minor surgical procedures: 121	



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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, journals reading and topic presentations.

Major Achievements: **Dr Shilpa Patel** organized VIA State level Training of Trainees for Gynaecologists from all over Gujarat from December 6 to 8, 2022 in collaboration with State NPCDCS programme with Practical demonstration of VIA was done by all consultants at GCRI. Each batches with 30 to 40 gynecologist were present. She also organized guest lecture by Dr Pabashi Poddar, Associate Professor, TMH Mumbai, on fertility preservation in gynaecological malignancies on January 26, 2023, as a part of 50 years of hospital celebration.

Dr Pariseema Dave has served as Associate Editor of "Indian Journal of Gynaecologic Oncology". She has also served as Chief Editor of "Gujarat Cancer Society Research Journal". She served as Peer reviewer-Indian Journal of Gynaecological Oncology (Pubmed). She has organized live laparoscopic surgery demonstration for cancer of endometrium (TLH+BSO+BPLND) in GCRI main OT by Dr Deepak Limbachiya, Gynaecological laparoscopic Oncosurgeon on February 22, 2023, as a part of 50 years of hospital celebration.

Dr Nishu, Resident Doctor, received "**Dr Shashikant Lele Award**" for the best paper presentation on the topic of "Neuro endocrine carcinoma of cervix: Analysis from a regional cancer institute" at the 29th Annual AGOICON held at Lucknow in November 2022.

Dr Rujuta Hantodkar awarded second prize in superspeciality quiz in 11th National Conference of AOGIN INDIA held at Coimbatore during November 18-20, 2022.

Conference / Workshop Organized: Department of Gynaecological Oncology in collaboration with State level NPCDCS programme, Gandhinagar, organized VIA Training of Trainees for Gynaecologists, of all over Gujarat on December 6-8, 2022. Training regarding Visual Inspection of cervix with Acetic acid (VIA) as a part of Cervical Cancer screening was given to them. They were also trained to manage VIA positive lesions. They were educated and guided to train their medical officers, paramedical officers and nursing staff, regarding this procedure.

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 were performed free of charge. Biopsies were taken at nominal charge.

Camp Activities: Camps for early detection were conducted at various places in Gujarat including organizations such Vadsar Air Force and distant places such as-Surat, Gandhinagar, Savarkundla etc. Total 86 camps were organized at various places in this year. Total Pap smear taken in camps are 2996. The department also participates in GCRI academic meetings.



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D. MEDICAL AND PAEDIATRIC ONCOLOGY

Professor Emeritus: Dr Pankaj Shah

Professor, Head & Chief of Medical Oncology Unit I: Dr Harsha Panchal

Professor & Chief of Medical Oncology Unit II (Practicing): 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 Nitin Joshi (Contractual; From 10.2.2023), Dr Kajal Shah

Junior Lecturer (Paediatric Medical Oncology): Dr Chinmay Doctor

Medical Officer-BMT Services: Dr Kamlesh Shah

Visiting Pulmo-Onco Critical Care Specialist: (Monday, Tuesday, Saturday): Dr Vipul Senghal

Visiting Pulmo-Onco Critical Care Specialist: (Wednesday): Dr Ashish Mansuri

Visiting Pulmo-Onco Critical Care Specialist: (Friday): Dr Jaymin Patel



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 1118 new adult patients are registered under medical department and 127086 old and referred cases attended outdoor departments. There are approximately 37638 patients received curative or palliative chemotherapy either as indoor (224 beds) or in day care center (56 beds). Number of new paediatric cancer patients registered at paediatric center annually is

approximately 1361. Approximately 4789 children receive chemotherapy either as indoor or in day care center. About 12346 minor procedures are performed annually. The center also has special OPD for care of central lines like PICC and Hickman.

The Indumati Kinarivala 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. Currently indoor beds for Adults 92, Paediatric 90, Leukemia 26, BMT 4, Medical ICU 12 with a total 224 beds.



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Number of patients attended and procedures performed

Details of Work Done	Adult	Pediatric	Total
Clinical Cases:	116675	23045	139720
Total Outdoor:	1118	1361	2479
New Outdoor:	108116	18970	127086
Old+ referred Indoor:	07441	02714	10155
Procedures: Total	7503	4843	12346
Bone marrow aspiration/trephine bone biopsy	4539	1637	06176
Intrathecal & CSF studies	2147	3173	05320
Others (Pleural & Ascitic Fluid Aspiration)	817	0033	00850
Chemotherapy: Total	37638	4789	42427
Day care chemo-Room No. 7	36954	4789	41743
Day care chemo special/semi special ward	00684	-	00684
BMT: Total	37		37
Allogeneic	24		24
Autologous	13		13

Academic Activities: We run academic sessions for DM students during grand rounds with faculty which include 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 web cast. 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 2010-2019 and 9 students per year 2020 onwards.

There are 27 resident doctors, 9 students are enrolled every year. 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.

Staff Training: Day Care Chemotherapy Centers has been started by Prime Minister for 29 districts from October 11, 2022. GCRI is a nodal hospital for Day Care Chemotherapy. Department of Medical Oncology has responsibility for conducting and coordinating the staff training of doctors and nurses for chemotherapy administration. Series of training of Medical Officers and physician has been done.

During training, participants are trained about introduction, overview and supportive care of chemotherapy, common protocols and method of administration in various cancer like Head and Neck, Breast, Cervical, Haematology, Paediatric, etc. Side effects management, Interpretation of lab tests, do's and don'ts of blood transfusion, Palliative care management, Oncopathology, blood bank and cancer screening. As of today, 64 doctors for two weeks and 67 nurses for one week are trained by this department. Doctors of Medical Oncology investigate the patient and plan relevant chemotherapy and refer to patient's his/her near daycare chemotherapy centers with referral card. District Day Care Chemotherapy doctors can contact GCRI doctors if any confusion. Doctors at Day Care centre seek tele



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consultation under E-Sanjivani platform whenever needed.

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 international, national and GCS 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 1 clinical research assistants, 1 clinical research coordinator and 1 social worker.

Major Achievement: Dr Harsha Panchal coordinated series of training of M.O. and M.D. at

district level between May 2 to May 16, October 22 and December 2022 to January 2023. She coordinated CME on Romiplostin and NEPA on September 7, 2022 at telemedicine center, GCRI. She is Nodal Officer for day care chemotherapy since October 8, 2022. She got selected for Zonal round of ISMPO-TYSA in Mumbai on October 8, 2022.

Dr Sonia Parikh coordinated Orientation of NCD Niramaya Abhiyan on overview of day care chemotherapy organized by State Institute of Health & Family Welfare on August 5, 2022.

Dr Kajal Shah invited to present paper on “Efficacy and toxicity analysis of Imatinib in newly diagnosed patients of chronic myeloid leukemia: 18-years’ experience at a single large-volume center” in 3rd International Congress on Future of Neurology & Neurosurgery June 20-21, 2022. She was also invited to present paper “Myeloid Sarcoma Experience from Tertiary Care Centre of Western India” in 2nd Dr. Advani’s Legendary Oncology Series (DALOS) Conference at Mumbai, July 30-31, 2022.





E. PALLIATIVE MEDICINE

I/c Deputy Director, Professor & Head: Dr Priti Sanghavi

Associate Professor: Dr Bhavna Patel

Assistant Professor: Dr Ravi Umrania



Clinical Services:

In-patient service: Department of Palliative Medicine has been allotted 10 dedicated beds and 20 shared inpatient beds. Bed Occupancy Rate (BOR) is 80%. In-patients 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 & psychosocial issues.

Out-patient service: We see about more than 80 patients per day in our OPD. We provide pain management & symptom management. Counselling of all patients are done for their psychosocial & 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 and COC) 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	7,390
OPD: Follow up Patients	17,549
Procedures	486
Indoor Patients attended	2,257
Home Visits	290
Admissions to Hospice, Community Oncology Centre, Vasna	364

Research Activities: Identifying the need of palliative care in emergency department at the state cancer care center, impact of early palliative care in



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patient having brain tumor, estimation of prevalence and identification of risk factors of constipation for head and neck cancer patients and management at specialist palliative care center, estimation of symptom burden in advance pancreatic cancer patient and impact of palliative care intervention on it, identifying the need of palliative care and symptom burden in paediatric oncology patients, prevalence of various symptoms in adult patients with hematological malignancies and outcome after palliative care intervention, knowledge, attitude and practice regarding nursing care issues in caretakers of Head & Neck cancer patients at hospice.

Major Achievements: Dr Priti Sanghavi, I/C Dy. Director, Professor & Head of Palliative Medicine received International Award for Excellence & Leadership in Palliative Care for the year 2022-2023 by Cancer Aid Society.

Dr Lekha Raval, 3rd year resident won quiz competition at 30th International Conference of Indian Association of Palliative Care 2023, Bengaluru.

Dr Varun Yadav received Silver Medal for T. B. Patel Young Scientist Medal competition during Hospital Week Celebration of GCRI, year 2022-2023.

Himanshu Patel & Queenjal Desai: OPD of Department of Palliative Medicine won second prize in best services award during hospital week celebration of GCRI, year 2022-2023.

Public Services Offered: Dr Bhavna Patel, Dr Ravi Umrana and all resident doctors, counsellors, dietician and nursing staffs 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 NGO.





F. ONCOPATHOLOGY

F1. HISTOPATHOLOGY, CYTOLOGY, BIOCHEMISTRY, HAEMATOLOGY

Head & Professor (Practising): Dr Priti Trivedi

Associate Professors: Dr Dhaval Jetly, Dr Biren Parikh

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



Clinical Services: Oncopathology department is heart of our hospital. This 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 08 seats, out of total 15 seats all over India. Department Participated in two different EQAS Programme regularly.

Academic Activities: Practical / Theory training to Doctorate students/ Doctors for “DM” degree, post-graduate students / doctors coming from various other hospitals (Observership / Relationship). Practical / Theory training to post graduate students for “Diploma Medical Laboratory Technology Course”. Research / Publication work. Internal & External Quality Control.

Central Laboratory-Haematology

Details of Work Done	Number
CBC+DC	182010
DC Manually	80996
ESR	3616
Urine Examination	9352
Urine BSBP	9352
PS/Indices	5436
PT	34638
APTT Test	31428
Plasma Fibrinogen	2599
FDP	1967
G6PD	501
Fetal HB	4



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Details of Work Done	Number
LE Cell	1
Sickle Test	22
Sucrose Lysis	8
Osmotic Fragility	9
RC	3229
CSF	330
Pleural Fluid	219
Ascitic Fluid	160
Other Fluid	15
Stool	801
B.J. Protein	20
Bone Marrow	3962
Bone Biopsy	2586
PAS STAIN	665
Sudan Stain	690
Iron Stain	2993
Reticulin Stain-BM	2519
D-DIMER	2104
Total	382232

Central Laboratory-Biochemistry

Details of Work Done	Number
Blood Sugar	73897
S. Acetone	66
Bun	140652
S. Creatinine	157795
S. Electrolytes	157364
S. Alk. Phosphatase	86494
S.G.O.T (Ast)	124931
S.G.P.T (Alt)	125018
S. Total Protein	95069
S. Albumin	88756

Details of Work Done	Number
S. Bilirubin Total	125104
S. Bilirubin Direct	125104
S. Uric Acid	32641
S. Calcium Total	46037
S. Megnesium	38897
S. Inorganic Phosphorus (Phos)	32802
S. Lactate Dehydrogenase (LDH)	93171
S. Amylase	2120
S. Lipase	702
S. Iron (Fe)	1264
S. UIBC	1151
S. Cholesterol	1682
Triglyceride	1736
HDL	1621
HBA1C	3951
ADA	101
Fluids	727
24 Hrs. Urinary Protein	15
S. Protein Electrophoresis (SPE)	968
S. Immunofixation (IFX)	909
S. IGG	824
S. IGA	747
S. IGM	759
S. Light Chain Kappa, Total	791
S. Light Chain Lamda, Total	791
Methotraxate (MTX)	1649
Cyclosporin (Cyclo)	809
Total	1567115

Endocrinology-Immuno Assay Tests

Details of Work Done	Number
Alpha Fetoprotein (AFP)	3116



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Details of Work Done	Number
Carcinoembryogenic Antigen (CEA)	5080
CA-125	4328
Prostate Specific Antigen (PSA)	1791
CA-19.9	3475
CA-15.3	333
Human Epididymal Protein 4 (HE4)	2160
Human Chronic Gonadotropin (B- HCG)	2107
Follicle Stimulating Hormone (FSH)	833
Leutinizing Hormone (LH)	618
Prolactin (PRL)	356
Estradiol (E2)	630
Testosterone (T)	504
Cortisol	473
Growth Hormones (GH)	230
Thyroid Stimulating Hormone (TSH)	8340
Total T3	7945
Total T4	7937
Free T3 (FT3)	3343
Free T4 (FT4)	3832
Parathyroid Hormone (PTH)	880
Thyroglobulin (TG)	790
Vitamin B-12	2325
Vitamin D Total	1688
S. Ferritin	1564
S. Folate	1209
New Tests	
Procalcitonin (PCT)	9664
B2mg	345
Total-IM	75926
Total-CHE	1567115
Total	1643041

Histopathology Laboratory

Details of Work Done	Number
Total Biopsies	16988
Total Slides Biopsies	21025
Total Operative Specimens	3686
Total Number of Slides (Operative Specimens)	77952
Total Biopsies & Specimens for Review	6842
Total Number of Slides (Review Specimen And Biopsies)	21889
Total Number of Frozen Specimens	2680
Total Number of Frozen Slides	14401
Total Special Stain + Cyto Block + Extra Bits	29359
Total Number of Biopsies and Specimens	23030
Total Only Slides (Bx + Specimens + Review + Frozen + Special Stain +Recut + Extra Bits)	164626

Cytology Laboratory

Details of Work Done	Number
Pap Smear + LBC	2779
FNAC	1804
Fluid Cytology + Cyto Block	4526
Outside / Camp PAP Smears	7403
HR, HPV, DNA Test	826
Total Number of Tests	17338





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F2. BLOOD BANK

Assistant Professor & In-charge: Dr Nainesh Menat (From 20.1.2023)

Medical Officers: Dr Bhargav Pandya, Dr Shyam Sunder, Dr Sumit Rajput



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 equipments like Fully Automated blood grouping and antibody screening machines, 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 machines, such as, G5 and for leuko-reduction of components which prevents the blood transfusion reactions. In Apheresis procedures, lab does routinely plateletpheresis, therapeutic apheresis and peripheral blood stem cell collection.

Details of Work Done	Number
Donor Area	
Blood Tapping	12927
Replacement Donors	8236
Voluntary Donors	4846
Single Donor Platelet + other apheresis	2153
Outdoor Camps	50
Transfusion	
Whole Blood + PCV (Packed Red Cell)	18427
PC (Platelet Concentrate)	21129

Details of Work Done	Number
FFP (Fresh Frozen Plasma) + Stored Plasma	5885
Single Donor Platelet	2153
Autologous & Allogenic B.M. Collection & Therapeutic Apheresis	88

Tests	For Patients	For Donors
Blood Groups (Automation + Manual)	45141	45794
Coomb's Test (IAT + DAT)		1092
Du Test for weak antigen		1131
Cross Match		25828



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Tests	For Patients	For Donors
HbsAg		16562
HIV		16951
HCV		16547
VDRL		17334
Malarial Parasites		15914

Academic activities: MD [Transfusion Medicine] students from all medical colleges of Gujarat, as well as doctors and technicians from all over Gujarat are coming for training of component separation and apheresis procedures.

Public Services: Organized 47 blood donation camps.

F3. CLINICAL MICROBIOLOGY

Assistant Professor & Lab Head: 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-Bacteriology, Serology, Mycology, and Molecular Microbiology. The other Non-Clinical important aspects of hospitals are also managed like Infection Control Activities, ICTC Activities, and Biomedical Waste Management (BMW) 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.

Details of Work Done		Number
Culture & Antibiotic Susceptibility	Aerobic	7377
	Fungal	444
	Blood (aerobic)	4276
	Blood (fungus)	1562
	Total	13659
Microscopy	Gram Stain	1092
	H. pylori	1
	Z. N. Stain	1035



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Details of Work Done		Number
Microscopy	Pneumocystis Carinii Stain	264
	Wet preparation (Stool ova/cyst & KOH)	980
	Auramine stain	360
	Calcofluor stain (Fungus)	304
	Total	4036
Serology	S. Widal	353
	C-reactive Protein	4914
	CMV IgG	96
	CMV IgM	96
	HBeAg /anti HBeAg	329
	S. HIV	28894
	S. HBsAg	28944
	S. HCV	28888
	anti HbS	282
	HbcIgM	284
	Dengue IgM	442
	Malaria	382
	Chikungunya IgM	249
	Clostridium defficile Toxin A&B	74
Total	94227	
Molecular tests (RT-PCR)	CMV-Qualitative	2
	CMV-Quantitative	389
	EBV -Quantitative	145
	HBV- Quantitative	605
	HCV -Quantitative	180
	HSV -Qualitative	17
	Total	1338

Details of Work Done		Number
Surveillance	Surveillance in Critical Areas (No. of Times)	660
	Grand Total	113920

Non-clinical services

Infections Prevention and Control Activities in GCRI	
Staff	
Mrs Praisey Rathod	Infection Control Nurse
Mrs Neeta Makwana	Infection Control Nurse

Training: Total number of training programs conducted were 91 at different occasions in the current year for nursing staff (1199) and housekeeping employees (1007). Topics covered were Standard precautions, needle stick injury and management, Bio-Medical waste management, Hand hygiene, sterilization, and disinfection etc.

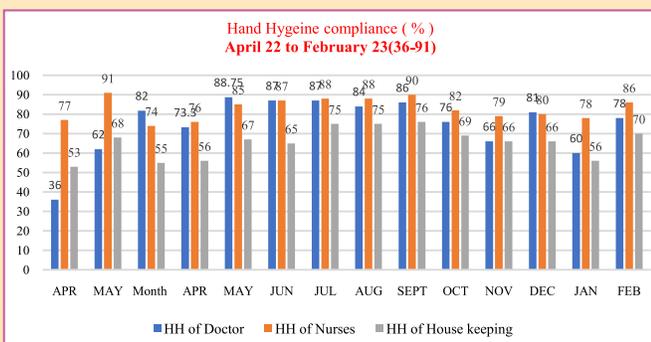
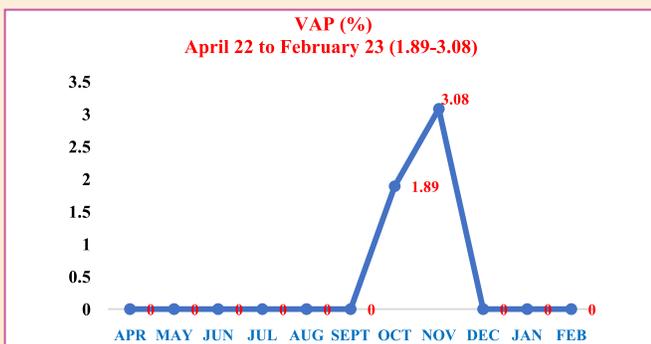
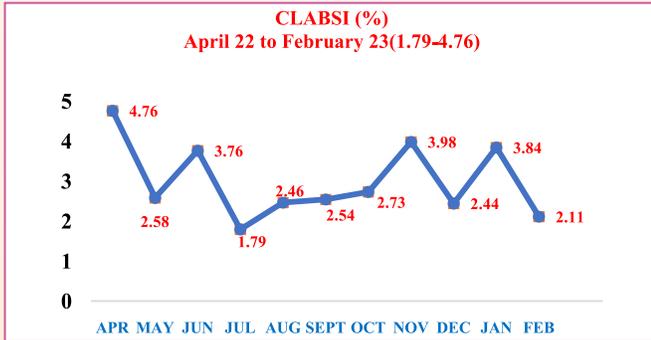
Other activities: Monitoring practices done by CSSD & TSSU: The checks on surgical instruments cleaning, washing packing & sterilization process are done every day. Sterilization controls are done by using Process Integrator (PI) to make sure sterilization within the packs/dressing trays and drums, Chemical 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 Deep cleaned and surveillance done as per SOP.

Quality Indicators of Health Care Associated Infections





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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.

Biomedical waste management

Biomedical Waste Management (BMW) Activities

Staff actively involved	
Mr Donald Christian	Sanitary Inspector
Mr Jignesh Patni	Sanitary Inspector

The Hospital Waste Management committee for monitoring activities was formed and the rules and regulations are strictly followed since then. Daily rounds are taken to check proper segregation of waste. There are meetings and training which happen throughout the year for smooth running of the activities of waste management. The new biomedical waste management rules have been given by and are as per standards of NABH and GPCB which are in the process of been followed by our institute.

ICTC (Integrated Counseling and Testing Center)

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 Gynecological oncology patients etc.).

ICTC-GCRI is run by qualified and trained counsellor staff who provide HIV counselling. Laboratory technician is also trained under the regional NACO centre of Civil hospital. This ICTC is supported by the National AIDS Control Organization (NACO).



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Counsellors: The counsellor is appointed from GCRI staff and he/she is trained from ICTC center of NACO, Civil Hospital. They focus on the following:

- Pre-test counselling
- If HIV test is positive, Post test counselling of the patient
- Send HIV positive patient to civil hospital for ART treatment.
- Maintain records of all counselling done
- Communicate with Civil Hospital ICTC center.
- Be available in the 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

ICTC data of HIV patients (April 2022-March 2023)

Total Patient counselled	9724
Pre-Test	9398
Post Test	326
Common Route of Transmission in reactive patients	
Sexual Transmission	56
Through Blood & blood products	18

Re usable items	36
Parental Transmission	2
unknown	214
Different Area (states) of reactive patients	
Gujarat	160
Rajasthan	13
Maharashtra	0
Madhya Pradesh	14
Others	129
Status when diagnosed	
Newly Diagnosed	38
Already Positive	158
Refer to ART	38
Paediatric Post-Test done	3
Adult Post-Test done	323

Academic Activities: Teaching and practical training of Medical Laboratory Technology (MLT)-48 students.

Public Services: Community awareness talk on Hand hygiene. ICTC for GCRI patients.





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
 Dr Milan Jolapara
Honorary Interventional Consultant: Dr Trupti Mehta



Clinical Services: The department is fully equipped with QRAD 50 Shimadzu X-ray units, Mammomat-Mammography machine, Two Doppler machines of GE-Logic P5, Fuji CR system, Medsynapse-Department networking and data storage system, USG-High end Siemens USG S3000, Portable GE Ultrasonography, Digital Radiofluoroscopy High-end Ultrasonography-Epic5 (2) and affinity 70 (1), CT Somatom 16 Slice, CT Scan 128 Slice, Digital Mammography, Specimen Radiography System, Digital Radiography, Portable Digital Radiography system and 3T MRI Machine. Department also supports radiological part of various camps and health checkup programmes managed by institute. The department is also performing the Executive Health Check up for IAS / IPS / IFS officers. The department of Radiodiagnosis conducts radiological part of health checkup programme at COC vasna. X-ray, mammography and ultrasonography are

performed at cheaper rates, for early detection of pathology.

Details of Work Done	Number
X-Ray	52241
Portable X-rays	10921
USG	17114
Portable USG	512
CT scan	27107
MRI	5264
Mammography	5908
Color Doppler	1230
USG Guided Biopsy	1882



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Details of Work Done	Number
CT RT Planning	151
CT Guided FNAC / Biopsies	869
CT Angiography	139
PTBD	72
CT RFA	18
Various procedures: Barium, IVP, Loopogram, CT STB	18

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

department. Before university examination we conduct preliminary exams for exam going students which includes theory and practical examination.

Research Activities: We are maintaining patient's data and images. We are generating statistical data and studies which is published in national and international conferences.

Public Services: We actively participate in Health Check-up Programme-Mammography organized at various parts of Gujarat state organized by GCRI. We also participate in Executive Health Check-up programme.

G2. NUCLEAR MEDICINE & PET CT

Assistant Professor and Head: Dr Ritesh Suthar (From 3.8.2022)

Senior Consultant of Nuclear Medicine: Dr Swati Rachh (till 24.8.2022)

Junior lecturer: Dr Pravin Pareek (From 30.7.2022)

Medical Officers: Dr Dhiren Rathod (Till 17.10.2022), Dr Gopal Bavaliya, Dr Palak Patel (Till February 2023)

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 carcinoma thyroid patients.



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Details of Work Done	Number
PET CT SCAN	2246
I-131 therapy(High Dose A)	72
I-131 therapy (Low Dose T)	13
Bone Scan	1699
DTPA Scan	146
DMSA Scan	192
EC Scan	0
Thyroid Scan	143
Parathyroid Scan	29
I-131 Whole Body / Iodine scan	133
HIDA Scan	6
Gastro-Esophageal Reflux/ Milk Scan	25
Sentinel Node Mapping	174
MIBG Scan	7
Sialography	2
Myocardial Viability	0
Myocardial Stress Study	0
DMSA-V Scan	0
Gastric Emptying Time Scan	0
Liver Colloid Scan	0
MUGA Scan	0
DRCG	0
HYNIC-TOC Scan	20
MECKEL's Scan	2
Lympho Scintigraphy	0

Details of Work Done	Number
PET CT SCAN	2246
I-131 therapy(High Dose A)	72
I-131 therapy (Low Dose T)	13
Bone Scan	1699
DTPA Scan	146
DMSA Scan	192
EC Scan	0
Thyroid Scan	143
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I-131 Whole Body / Iodine scan	133
HIDA Scan	6
Gastro-Esophageal Reflux/ Milk Scan	25
Sentinel Node Mapping	174
MIBG Scan	7
Sialography	2
Myocardial Viability	0
Myocardial Stress Study	0
DMSA-V Scan	0
Gastric Emptying Time Scan	0
Liver Colloid Scan	0
MUGA Scan	0
DRCG	0
HYNIC-TOC Scan	20
MECKEL's Scan	2
Lympho Scintigraphy	0

Major Achievements: Dr. Ritesh Suthar received Global Health Scholarship 2022, SIOP Spain.



H. RADIATION ONCOLOGY

Professor & Head: Dr Ankita Parikh

Professors: Dr Maitrik Mehta, Dr Sonal Patel Shah

Assistant Professors: Dr Vinay Shivhare, Dr Satyajeet Rath, Dr Jayesh Singh, Dr Arun T., Dr Akash Pandya



Clinical Services: Daily OPD 9am to 5pm. Linear Accelerator 4 in numbers including Truebeam equipped with conformal facilities like 3DCRT, IMRT, VMAT, IGRT, Extra Corporeal Radiotherapy, SRS, SRT, SBRT, One Cobalt 60 (Bhabhatron), Teletherapy machine, One Tomotherapy (Radixact), One Cyberknife Microselectron HD Brachytherapy machine, Flexitron Brachytherapy machine (Electa), One Conventional Simulator (Varian), One CT Simulator (Siemens).

Clinical Activities: The department is treating patients from nearby cities and also from Rajasthan, Madhya Pradesh, Maharashtra and Uttar Pradesh.

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 is departmental mass rounds everyday Tuesday and Friday. The department runs CMRT course for 2 year Medical Radiation Oncology Technicians and M.Sc Medical Physics course.

Major Achievements: Dr Ankita Parikh, MD Examiner for Gujarat University as well as External MD Examiner for other university outside the state. As per Arogya Niti 2016 technical expert and physical verification of Linear Accelerator at Ankleshwar, Navsari, Vapi.

Details of Work Done	Number
OPD new + referral cases	7914 + 69817
Linear Accelerators	4037
Cyberknife	38
Cobalt teletherapy	608
Brachytherapy	1094
Conventional Simulator	4801
CT Simulator	1672



I. SURGICAL ONCOLOGY

There are six Surgical Oncology Units (I1), and six Super speciality Oncology Units (I2-I7), which are Reconstructive (Plastic) Surgery (I2), Urosurgery Oncology (I3), Musculoskeletal Oncosurgery (I4),

Paediatric Oncosurgery (I5), Interventional Therapeutic Centre (IVTC) (I6), Ophthalmic Oncosurgery (I7).



Details of Work Done	Number
Major	4278
Minor	8542

Details of Work Done	Number
IVTC	3628

I1. GENERAL SURGICAL ONCOLOGY

Director & Professor: Dr Shashank Pandya

Professor & Head: Dr Mohit Sharma

Associate Professors: Dr Vikas Warikoo, Dr Ketul Puj, Dr Shailesh Patel

Assistant Professors: Dr Priyank Rathod, Dr Shivam Pandya

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 4278 major surgeries were performed by general surgical oncology. Different surgical teams occupy eight major surgical operation theatres. Day stay unit facilities are provided for biopsy, endoscopic procedure and evaluation of lesion before planning of surgery.

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

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.



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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, journals reading and 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 (Till 16.2.2023)

Clinical Services: Apart from attending OPD once a week, reconstructive surgeries are done in main operation theatre twice per week. Reconstructive surgeries for head and neck cancer patients and CFRs with the help of neurosurgeons are done. Screening of patients requiring prosthesis is done in OPD and they are guided about the artificial limbs and body parts. The department offers services to the patients from

all over Gujarat who require reconstruction of lost body parts and guides them about prosthesis.

Academic Activities: The department is also actively involved in teaching programme of 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. 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.

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.



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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)

Visiting Gastro Oncologist: Dr Gautam Tamboliya

Clinical Services: The IVTC department under surgical oncology department is high volume center for endoscopy services and includes advanced endoscopy like ERCP & Pleuroscopy. It conducted around 3628 procedure in period from April 2022 to March 2023 which includes more than 2726 diagnostic endoscopy and 902 therapeutic endoscopy

as well as more than 215 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.

Detail of Work Done	Number
UGI scopy	1325
Colonoscopy	691
RT Insertion / I.L.R.T./ NJ	245
Dilatation	234
PEG	2
EVL	79
Glue / Sclerotherapy	8
Endoprosthesis	16
ERCP / Stent removal	215
Bronchoscopy	710

Detail of Work Done	Number
Pleuroscopy	22
EUS	33
SVE	26
Achallasia Ballon dilation	8
Only Biopsy	6
Block	2
Polipectomy	1
CRE balloon	5
Total	3628

17. OPHTHALMIC ONCOSURGERY

Visiting Ophthalmic Surgeon: Dr Vaibhavi Trivedi (Till April 2022)

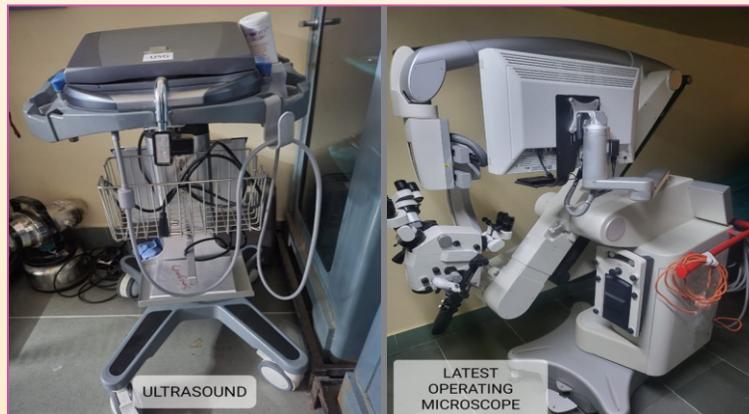
Clinical Services: The Department offers services in OPD, Operation Theatre and Day Stay, thrice per week. They examine, investigate and treat patients.



J. NEURO ONCOLOGY

Full-Time Neurosurgeon: Dr Nikhil Modi

Medical Officers: Dr K. G. Patel, 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 of the Gujarat Cancer & Research Institute is being regularly attended by all the medical staff and the presentations are made in the clinical meeting as per the schedule. All the medical staff remains update with reading of the standard neurosurgical textbooks and journals at the library. The department is also having interactions with other departments of the hospital, e.g., Surgical Oncology, Plastic Surgery, Medical Oncology, Oncopathology, Cancer Biology, Radiation Oncology, Radiodiagnosis and Physiotherapy Departments. 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	3
Supramajor	454
Major	104
Minor	66
Total	627



K. SUPPORT SERVICES

K1.GENERAL ADMINISTRATION AND HUMAN RESOURCES



**Director
GCRI**



**I/C Deputy Director
GCRI**

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, and Conferences etc.

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

system and the whole process is being closely monitored by the General Administration for effective use.

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

Outsourcing Services: Human Resource Department looks after the Out Sourcing Services, it includes Security Staff, Housekeeping Staff, Utility Service Staff, Canteen Facilities, Diet for patients and 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.



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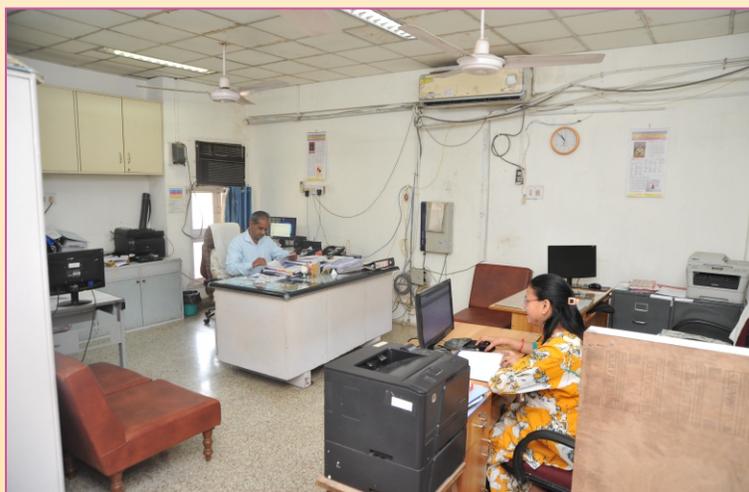
HUMAN RESOURCES SECTION



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.



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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.



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Money Out: Making payment to all parties / staff with in 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 avoids error, fraud, theft etc and run the organization as per approved policies.

BIOMEDICAL ENGINEERING SECTION



Biomedical Engineering Section looks after the e-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.



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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 (IT) section is an 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 team is focused on adoption 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



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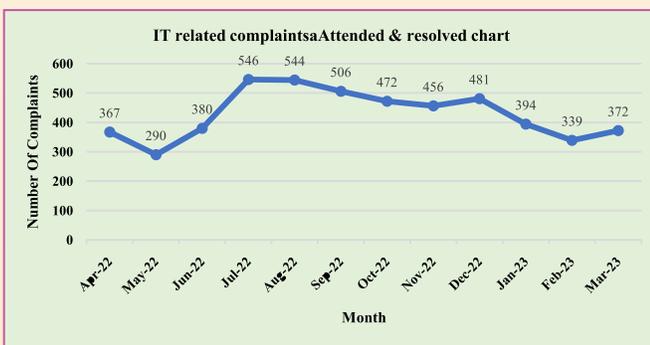
premises IT infrastructure. Business Continuity Planning (BCP) and Disaster Recovery (DR) Planning, Network security, Data Security, Data Protection, License compliance, Cloud based email system,

Hospital Information Management System are the daily activity of Information Technology section.

Number of IT related complaints attended & resolved:

Total number of complaints attended & resolved: April 2022 to March 2023

Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
367	290	380	546	544	506	472	456	481	394	339	372	5541



Major Achievements: IT Department is adjudged as Best Administration support / Technical Service Provider and awarded First prize for the year 2022-23 during Hospital week celebrations.

Mr Navnit Jethava has taken the online training of Oracle Cloud Infrastructure Foundations 2021 Associate and get certificate from Oracle University.

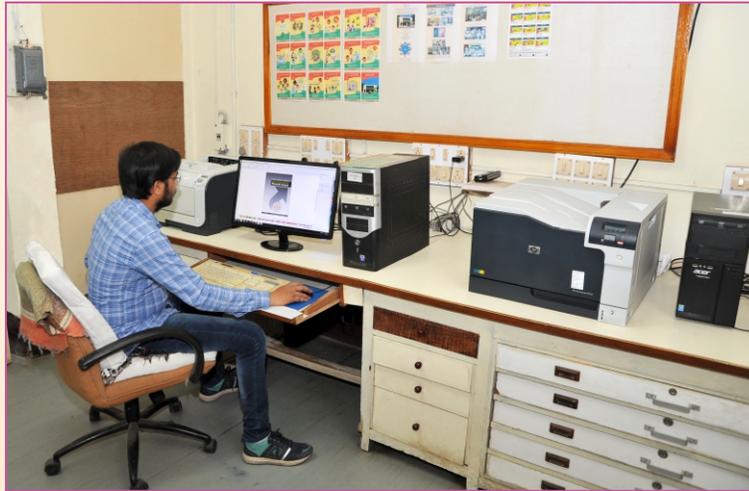




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K2. EDUCATIONAL GRAPHICS & MEDICAL PHOTOGRAPHY

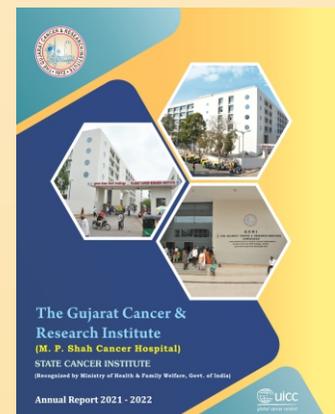
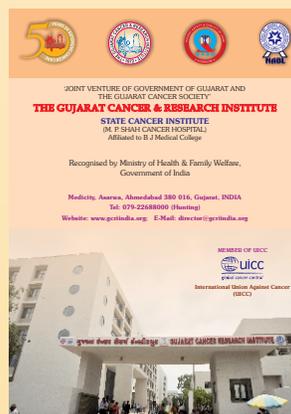
Chief of Photography & Publicity: Mr Rushi Patel



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 3700 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.

Achievement: Department is adjudged as Best Administration support / Technical Service Provider and awarded Second prize for the year 2022 during Hospital week celebrations on February 18, 2023.





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K3. LIBRARY & INFORMATION SERVICES

Librarian: Dr Nuri Kalita

Assistant Librarian: Mr Jagdish Gohel



Services: The Gujarat Cancer & Research Institute Library & Information services provides value added services to their users that means the right information to right person in the right way. GCRI library is fully automated with barcoding facility and all hardcopy of books are laminated with plastic cover. Books & other Library materials arranged in open access user-friendly system, DDC classification is used for classified all the library books. Library housekeeping operation is managing through library automation SOUL 3.0 software with Web OPAC facility. The Library and Information services shifted on December 2022 in the GCRI new building C- Block ground floor, Room No. C-51 is designed for Central Library, Room No. C-52 for Computer Lab, Room No. C-53 for Student Reading Room, and Room No. C-54 is dedicated to Faculty reading room. The main purpose of GCRI library is to support medical education, including teaching and research with special focus on improving patient care and academic credit. To fulfil all the expectation of user groups, GCRI Library is providing various services are Digital library service, Digital notice board, Audio-Video facility, Computer Lab with High speed Internet facility, E-mail service, Borrowing facility, Current awareness service, reprography service, SDI, Alert services, Staff Library of non-medical books, Individual reading room for

facility & Students, Online databases, Reference Service, Article on request and Literature search service, Plagiarism Check, Dissertation, thesis, logbook, Publication archives, OLD bound Volume Archives etc

Collection Building: The GCRI Library is under CCTV surveillance. There are 19 PCs with high-speed broad band internet facility in the computer lab. Apart from a good collection of Physical books & Journals GCRI Library is subscribing UpToDate Medical database since 2015 onwards in campus and remote login access. Online access facility to OVID, Akshara Discovery tool and Clinical Key through Hospital static IP by forming part of NCG available to users. For promotion of academic integrity GCRI Library supports checking plagiarism activity through use of anti-plagiarism software 'iThenticate' NCG platform. During the Financial Year 2022-2023 report major collection of GCRI library and Information services added 55 new International Oncology book titles and 35 International & National Print Journals. Continue subscription of online medical database UpToDate for the year 2022-2023. Renewed Union for International Cancer Control (UICC) Institutional membership for 2023.



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Details of Work Done	Number
Database uses statistics for UpToDate Medical Database	46225
Registration & Renewal UpToDate Medical Database	156
Reprography services for Xerox, Print and Scanning record	31080
Digital Library: Users statistics	15847
Issue / Return of books	675
Email Services: Circulated office circular and other academic information	628
Visiting register record for reading, reference, and other activities	1739

Details of Work Done	Number
Collection of scientific published research articles	90
Archived and Software entry dissertation and Logbook	89
Library new membership card	24
Research Help: Plagiarism report	102
Article on request for full text service	120
Subscription of international and national print journals	35
New oncology title purchased	55

Academic Activities: Dr Nuri Kalita, Head & Librarian, Library & Information Services Department, GCRI has been invited as a **Guest Speaker in “Knowledge Feast 2022”** Program which was organized by EBSCO Information Services, India on November 23, 2022 at Radisson Blue Hotel, Ahmedabad-380006. Presentation about CBC and MRI of Medical Digital Resources. CBC elaborately covers Create, Benefits and Challenges while introducing Medical Electronic Resources. MRI

explained as Marketing, Return of Investment, and Impact Analysis of Digital Health Resources.

An induction program is coordinated every month for newly joined GCRI staff members and taken part of presentation by Dr Nuri Kalita, Librarian, GCRI.

Dr Nuri Kalita, has received first prize in the elocution competition held during Hospital Week Celebrations on February 18, 2023.





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K4. NURSING SERVICES

Deputy Nursing Superintendent: Mrs Mona Darji

I/C Matron Grade II: 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.

Seminar Organized: Paediatric Oncology Seminar was held on November 30, 2022 for nursing professionals with an objective to build best skilled professionals to care for child health group. The program was facilitated by faculties from Tata Memorial Hospital, Mumbai. About 68 participants participated in this seminar. There were discussions about various topics like CVAD care and maintenance, advanced therapies, and role of infection control in Paediatric Oncology and innovative strategies in paediatric palliative care. Importance of nutrition and nutritional assessment, surgical innovation and challenges in paediatric pain management, selection, preparation, and supportive care of paediatric patients during HSCT were also discussed.

CVC Care Center	
Details of Work Done	Number
Total dressing	6252
PICC insertion	361
Certofix insertion	285
Hickman catheter insertion	92
Port catheter insertion	49
Port needle insertion	1479
Removal	289

Chemotherapy, Blood Transfusion & Other Procedure Data	
Procedure	Number
Total Chemotherapy (Adult + Pediatric)	41913
Total Procedures (Adult + Pediatric)	14501
Total Blood Transfusion (Adult + Pediatric)	4733



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Chemotherapy Day Care Adult Data	
Procedure	Number
Minor OT	Total
Chemotherapy	37116
BT	3412
BMBX	2622
BBX	1980
IT	1263
CSF	883
IPT	438
Cytogenetic	550
Plural fluid tapping	340
Ascitic fluid tapping	534
Extra	321
Total	8931

Chemotherapy Day Care Paediatric OPD Data	
Procedure	Number
Minor OT	Total
New cases	1397
Chemotherapy	4797
BT / PRP	1321
BMBX	1025
BBX	578
IT	2262
CSF	874
IPT	223
Cytogenetic	198
Plural fluid tapping	65
Ascitic fluid tapping	68
Extra	277
Total	5570





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K5. STOMA CLINIC

Head Nurse: Ms Indira Macwan

Staff Nurse: Zinikakarlin Christian, Nishita Patel



Clinical Services: 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 also (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 (10) Attending patients which are referred from outside hospitals.

Details of Work Done		
Patients	New Patients	Old Patients
Colostomy	181	1215
Ileostomy	110	636
Ileal conduit	49	402
Drain / Faecal fistula	116	81
Total Patients	456	2334

Total Bags	Total Bags given paid	Total Bags given free
28632	7555	21077



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K6. PHARMACY

Chief Pharmacist & Store Officer: Shweta Shah



Services: About 525 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 outdoors patients (with Rx of Tablet/capsules) are supplied Medicines from ground floor Room No. A-4, @ Ground Floor, A-Wing, working from 9.00 a.m. to 5.00 p.m. Indoor Patients are dispensed medicines from second floor (Dispensing Pharmacy for Indoor Patients) near to New B.M.T ward Room No. 210 which remain opened from 9:00 am to 5:00 pm. Day care patients and Indoor patients are dispensed chemotherapy & its supporting drugs near to Chemotherapy ward @ 4th Floor, C-Wing of new building of Gujarat Cancer & Research Institute defined as Chemotherapy Pharmacy which remains opened from 8.00 a.m. to 9.00 p.m. Online Pharmacy Management System has been implemented successfully for the pharmacy requirement of Siddhpur Cancer Care Centre, Saurashtra Cancer Care Center, Rajkot & Bhavnagar Cancer Care Centre, Bhavnagar. Online Ward Indents system is implemented successfully and are supplied from

Indoor Pharmacy located in main Pharmacy, above Annapurna Canteen. All Departments as well as wards for their medicines requirement indents are supplied from Main Pharmacy 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 & 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. Anticancer Medicines are provided to 29+2 Day Care Chemotherapy Centers of Gujarat State by Main Pharmacy Store-first floor above Annapurna Canteen.

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



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K7. PHYSIOTHERAPY

Senior Physiotherapist: Dr Manali Shah

Physiotherapist: Dr Jasmin Khoja, Dr Shwetang 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 & 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 & lymph edema are treated over here. Department looks after intraoperative neuro monitoring system in Operation Theater.

Physiotherapists provides maximum support to the patients who needs functional independence. They match the patients exercise as per the need, safety and formulate the same to benefit the patient 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 shows low levels of physical activity due to prolonged bedridden 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	31531
Outdoor patients	2023

Academic Activities: Clinical teaching to B. Physiotherapy students of different self-finance colleges. Dissertation for students of Master in Physiotherapy in cancer rehabilitation under the guidance of Dr Manali Shah.

Training: Clinical teaching to B. Physiotherapy students of self-finance colleges.

Major Achievement: Dr Manali Shah has become certified lymphedema therapist in Head & Neck cancer.

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



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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.

Details of Work Done	Number
New Patients	410
Follow-up Patients	426
Total Patients	836

Details of Work Done	Number
Breast prosthesis	735
Eye prosthesis	08
Cheek prosthesis	20
Lip shield	03
Vaginal dilator	09
Ear	02
Total Number of prosthesis	777

Academic Activities: Total 16 MDS students attended the department for one month training for external prosthesis of maxillo facial. Total 1604 MSc, BSc & GNM Nursing students & tutors also visited to learn about External Prosthesis as it is one of the subject of their curriculum. Patients are also given training of how to use the Prosthesis and are rehabilitated.





L. CANCER BIOLOGY DEPARTMENT

Cancer Biology Department was established in 1980 with primary research focus area on Translational Cancer Research. The department has now metamorphosed into 5 state of the art research

laboratories involved in basic and applied research in cancer biology and caters advanced diagnostic services for cancer patients.



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

- Identification of novel mutations / polymorphisms in Indian patient population
- Geographic variation in aetiologic factors, genetic profile and proteomics / glycoproteomics profile between patients within India
- Identification of newer drug targets and drug discovery to develop 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: Real Time PCR, Immunohistochemistry, Flow Cytometry, HLA Typing, Conventional Cytogenetics, FISH, Multi-color FISH, etc.

In September 2022, fully automated Next Generation Sequencing (NGS) platform was installed in this department. It is a Genexus™ Integrated Sequencer, that automates the specimen-to-report workflow and can deliver results in a single day. This platform is CE-IVD Marked NGS Instrument for use in Clinical Labs.

All diagnostics tests of 5 laboratories of the department has received NABL Accreditation for diagnostic testing.

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.



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L1. IMMUNOHEMATOLOGY LAB

Professor & Head, Cancer Biology Department & Lab Head: 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 the Work Done	Number of Tests	Number of Patients
Immunohistochemistry		
Immunohistochemistry Markers	36886	5537
Estrogen and Progesterone Receptors	2915	1447
Her - 2 - neu	1447	1447
Total	41248	8431
Flowcytometry		
Immunophenotyping	12339	1097
CD34 percentage	172	86
PNH	752	94
MRD in B - ALL	3425	215
Total	16688	1492

Details of the Work Done	Number of Tests	Number of Patients
Research work		
Immunohistochemical markers	1000	300
Markers by Flowcytometry	2400	150
miRNA microarray	96	96

Academic Activities: The Laboratory is involved in teaching of MSc Cancer Biology and PhD students. The division enrolls MSc, M Pharm, MDS and MD students as observers.

Research Activities: The main areas of research include development of cost effective protein panel by CGH array and transcriptome sequencing of triple negative breast cancer. Development of miRNA based



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

year 2022 during Hospital Week Celebration on February 18, 2023.

Ms Dharvi Shah, Junior Research Fellow, received Dr T. B. Patel **Bronze Medal** for oral paper presentation during Hospital Week Celebration on February 18, 2023.

Major Achievements: Lab has Received Vibha Mehta Trophy for maximum research publications for the

L2. MOLECULAR DIAGNOSTICS & RESEARCH LAB I

Assistant Professor & Lab I/C: Dr Trupti Trivedi

Junior Research Assistant: Ms Mittal Mistry



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

Time PCR since it is essential for molecular classifications and prediction of treatment response.

Details of Work Done	Number
Clinical Work	
IDH1 / 2 mutations by Real Time PCR	30
IDH1 R132H mutation by Real Time PCR	17
Total	47
Research Work	
DNA / RNA extraction from FFPE Blocks / Fresh tissue	152
cDNA Synthesis	144
18s RNA gene expression	97

Details of Work Done	Number
NPR3 gene expression - Medulloblastoma	100
STAT3, IL - 6, TNF - α gene expression - GBM patients	78
EGFRvIII mutations & EGFR amplification - GBM patients	75
Notch - 1,2 3, and 4 gene expression - Medulloblastoma	86
Total	732

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



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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. The laboratory actively participates in various webinars, Conferences / CMEs.

Research Activities: The research focus of lab is based on study of various molecular signaling pathways such as STAT - EGFR - IL signaling, Notch

signaling pathway, Autophagy regulating genes and their pathways for patients with CNS tumors including gliomas, neuroblastoma, and medulloblastoma.

Major Achievement: Ms Dhruva Trivedi, Junior Research Fellow, received Dr T. B. Patel **Silver Medal** for best oral paper presentation during Hospital Week Celebration on February 18, 2023.

L3. MOLECULAR DIAGNOSTICS & RESEARCH LAB II

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

Research Assistants: Dr Toral Mandalia, Dr Kinjal Gajjar



Clinical Services: Quantitative / Qualitative analysis of major and minor BCR-ABL fusion genes, PML-RARA fusion gene, JAK-2 V617F mutation, C-Kit D816 mutation and HPV 16 and 18 genotyping are performed by Real - Time Polymerase Chain Reaction. FLT-3 ITD and D835 mutations are carried out by Polymerase Chain Reaction and restriction fragment length polymorphism method.

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.

Details of Work Done	Number
Clinical Work	
Major and Minor BCR-ABL Fusion Genes	2470
PML-RARA Fusion Gene	123
FLT3 (ITD/D835) Mutation	207
JAK - 2 V617F Mutation	96
C - KIT D816 Mutation	66



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Details of Work Done	Number
HPV - 16 and HPV - 18 Genotyping	11
HLA Typing Tests	284
Total	3257
Research work	
DNA isolation for Research work	59
RNA isolation for Research work	129
Real time PCR for Research work	188

Academic Activities: The laboratory participates in various academic activities of the institute. They comprise of seminars of the department, enrollment of M.Sc dissertation students, hands - on training to students, etc. The laboratory is actively involved in M.Sc. Cancer Biology course. All staff members of this laboratory are involved in this course related activities such as conducting practical and other academic activity for M.Sc. students, the examinations papers are set, practical exams are being conducted followed by assessment of the answer sheets. Theoretical and practical demonstration of various molecular biology and biomedical techniques were carried out for the students who come as observers from various universities. Staff is involved in teaching Molecular Diagnostic tests and hands on training is also given to Finishing School students as well as DM Onco - pathologists 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 on prevalence of high risk human papilloma virus infection in cervical cancers in population from Gujarat West India. At present, the research activities of this lab are carried out in colorectal and ovarian cancer with the focus in studying the clinical relevance of multiple biologic markers by fully exploring 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, Beta - 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 behavior 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. Subsequent to statistical analysis, the data is presented in national level conferences and published in national / international journals. Further, to get a broad-coverage, ultra - high - resolution human leukocyte antigen (HLA) typing solution, HLA typing test will be performed by Next Generation Sequencing technique in patients referred for bone marrow transplantation.



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L4. MOLECULAR DIAGNOSTICS & RESEARCH LAB III

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

Research Assistant: Dr Apexa Raval

Junior Research Assistant: Dr Jigna Joshi



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

Academic Activities: The laboratory is actively involved in M.Sc. Cancer Biology course. All staff members of this laboratory are involved in this course related activities such as conducting lectures, various practicals and theoretical and practical demonstration of various molecular biology and tissue culture - based techniques to the observers coming from various universities. Dissertation for M.Sc. Cancer Biology students. Lab is involved in organizing, managing, and conducting clinical meetings.

Major Achievements: Laboratory has received Vibha Mehta Runners Up rotating trophy for the maximum publications during Hospital Week Celebrations on February 18, 2023.

Details of Work Done	Number
EGFR Exon study	191

Mr Hitarth Patel, Junior Research Fellow, received Dr T. B. Patel **Gold Medal** for oral paper presentation during Hospital Week Celebration on February 18, 2023.

Ms Hunayna Bhavnagari won second prize at the 9th Annual Conference of Molecular Pathology Association of India at Ahmedabad, 2022.

Dr Franky Shah has taken a lecture on Liquid biopsy- From discovery to clinical application during Hands on training on Cell Culture and Molecular Biology Techniques at Charusat, Changa on September 13, 2022.



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L5. CYTOGENETICS LAB

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

Research Assistant: Dr Dharmesh Patel

Junior Research Assistant: Dr Mahnaz Kazi



Clinical Services: Cytogenetics Laboratory is equipped with the state of art set up for research in the area of clinical cytogenetics. This lab has received NABL accreditation certificate in the field of Medical Testing in 2020. Major clinical services provided by this lab are for diagnosis and prognostication of patients with various hematological malignancies. Laboratory has also huge number of tests for solid tumor FISH for Her - 2 neu as clinical diagnostic work. The services are provided to the GCRI patients as well as other cases referred from various other places.

The laboratory is equipped with Metafer, Automatic Metaphase and Interphase Scanning and Capturing System for Karyotyping and FISH 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) and M - FISH (multicolor FISH). For FISH automation, hybridization and denaturation

chamber (Thermobrite, Vysis, USA) helps in rapid and consistent FISH assays.

Details of Work Done	Number
Conventional Cytogenetic study of leukemia from bone marrow / Peripheral Blood	1002
FISH tests for following genetic rearrangements:	
Translocation 9;22	713
Translocation 8;21	290
Translocation 15;17	175
Translocation 16;16 / inversion 16	281
Rearrangements of 5q	67
Rearrangements of 7q	71
Copy number of X & / or Y	69
11q MLL	208
Translocation 12;21	139
Solid Tumor FISH	
Her - 2 Neu FISH	104
Total	3119



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Academic Activities: The lab enrolled graduate and post-graduate students from universities across India for observer ship, project work and dissertation. Staff of this lab is involved in MSc 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. Weekly seminars are also conducted in the Laboratory by staff members to discuss recent trends in cytogenetic cancer research. In addition, department undertake teaching and training of the PG students from DM Onco-Pathology, BDS and MDS.

Research Activities: Laboratory is involved in various projects for cancer research mainly on hematological malignancies. The main research thrust of the lab is chromosome analysis of leukemia patients. Chromosomal anomalies are documented at diagnosis and during later stages of the disease, which aids in prognostication and clinical research.

Metaphase chromosomes are obtained following short-term cultures of peripheral blood lymphocytes and bone marrow. The novel chromosomal anomalies as per the leukemia subtypes are contributed to existing pool of databases of chromosomal aberrations in leukemia by publishing in national and international journals. Karyotype analysis by GTG banded metaphases is substantiated by locus specific and / or whole chromosome FISH in leukemia and solid tumor for increased sensitivity of chromosome anomaly detection. Currently, laboratory is involved in project work of the patients belonging to Ewing Sarcoma, Lymphoma and Oligodendroglioma are being enrolled and would be studied further for different abnormalities.

Major Achievement: Dr Dharmesh Patel received 3rd prize for poster presentation in 9th Annual Conference of Molecular Pathology Association of India (MPAICON 2022) held on August 6 & 7, 2022 at Narayani Heights, Ahmedabad.



परस्परं भावयन्तः श्रेयः परमवाप्स्यथ ॥ ३ : ११ ॥

श्रीमद्भगवद्गीता
परस्परं लावपूर्णां कार्यो करतां रहीने परमं कल्याणं प्राप्तं करशो.
श्रीमद् भगवद् गीता



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M. EDUCATIONAL ACTIVITIES

The Institute is engaged in various types of educational and training programmes, like (M1) Activities of the Scientific Research Committee & Ethics 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 & ETHICS COMMITTEE



The Scientific Research Committee (SRC) functions through out 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 25, 2022, December 07, 2022, and March 14, 2023) were held in hybrid mode.

Last year, 3 Ethics Committee Meetings including one Expedited meeting (April 09, 2022, August 06, 2022 and December 17, 2022) were held under the chairmanship of Hon'ble Justice Shri Bankim Mehta, Shri Milanbhai Patel, and 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 Parikh, Dr Vishal Mishra, Mrs Illa Vora, Ms Nuri Kalita and Dr Trupti Trivedi were remained present.



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M2. CLINICAL RESEARCH MEETINGS

Regular bimonthly Clinical and Research meetings were arranged at C-Wing, New Building, GCRI. Dr Franky Shah, Senior Scientific Officer and Dr Sonal Patel, Professor were the coordinators of this activity.

During the year, number of clinical and research subjects were discussed. Total 18 presentations were discussed at the Clinical Meetings from April 2022 to March 2023.

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 213 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, Gynaecological 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, Dr Abhijeet Salunke and Dr Toral Mandalia were the editors of the Journal.





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M6. HOSPITAL WEEK CELEBRATION

The Hospital Week celebrated from February 13-18, 2023 with a festive and jubilant mood. **Shri Pankajbhai R. Patel**, Executive Chairman of GCRI was the Chief Guest at Hospital Day Function on February 18, 2023. **Shri Manojbhai Aggarwal**, IAS, Additional Chief Secretary, Health & Family Welfare Department was the Guest of Honour at the function. The main events included scientific awards, orations awards, illocution competition, mehndi competition and rangoli competition and various cultural activities by the staff members.

Dr T. B. Patel Oration Award conferred to **Dr Sumeet Gujaral**, Professor, Department of Pathology, Tata Memorial Hospital, Mumbai.

Shri Ramniklal J. Kinarivala Cancer Research Award conferred to **Dr Sharmila Bapat**, Scientist G, National Centre for Cell Science, Pune.

Shri Madanmohan Ramanlal GCRI Luminary Oration Award conferred to **Dr Geeta Joshi**, Former Deputy Director, Former Professor & Head, Palliative Medicine, GCRI.

Dr Shilin N. Shukla Medical Oncology Oration Award conferred to **Dr Bharat Parikh**, Former Professor & Chief of Medical Oncology, GCRI.



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



Hospital Day Function, February 18, 2023



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Dr T. B. Patel Oration awarded to Dr Sumeet Gujaral, Tata Memorial Hospital, Mumbai



Shri Ramniklal J. Kinarivala Cancer Research Award Conferred to Dr Sharmila Bapat, National Centre for Cell Science, Pune



Shri Madanmohan Ramanlal GCRI Luminary Award conferred to Dr Geeta Joshi, Former Dy. Director, Former Prof. & Head, Palliative Medicine, GCRI



Dr Shilin N. Shukla Medical Oncology Oration Award conferred to Dr Bharat Parikh, Former Professor & Chief of Medical Oncology, GCRI



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Vimla Agrawal Rotating Trophy for Clinical Departments

Trophy for maximum Publications	Department / Lab
Rotating Trophy	Oncopathology Department



**Oncopathology Department
Vimla Agrawal Rotating Trophy**

Vibha Mehta Rotating Trophy for Cancer Biology Department

Trophy for maximum Publications	Department / Lab
Rotating Trophy	Immunoematology Lab
Runner up Trophy	Molecular Diagnostics & Research Lab-III



**Immunoematology Lab
Vibha Mehta Rotating Trophy**



**Molecular Diagnostics & Research Lab-III
Vibha Mehta Runner up Trophy**



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Dr T. B. Patel Young Scientists Medals

Name of Winner	Department	Medal
Clinical Department		
Dr. Ashika Padiwal	Gynaecological Oncology Department	Gold
Dr. Karthik Dhandapani	Oncopathology Department	Silver
Dr. Varun Yadav	Palliative Medicine Department	Bronze
Cancer Biology Department		
Hitarth Patel	Molecular Diagnostics & Research Lab-III	Gold
Dhruva Trivedi	Molecular Diagnostics & Research Lab-I	Silver
Dharvi Shah	Immunoematology Lab	Bronze



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



**Gold Medal - Molecular Diagnostics & Research Lab-III
Dr T. B. Patel Young Scientists Medal**



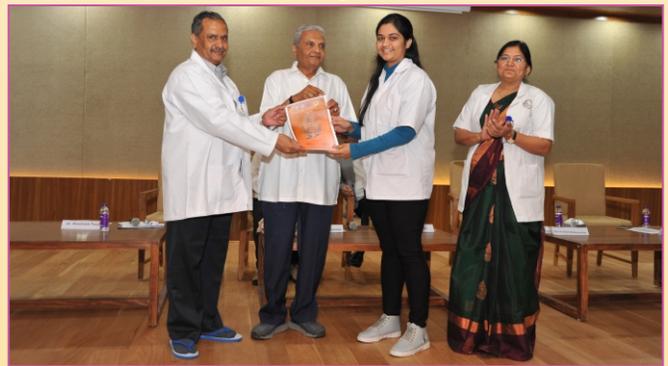
**Silver Medal - Oncopathology Department
Dr T. B. Patel Young Scientists Medal**



**Silver Medal - Molecular Diagnostics & Research Lab-I
Dr T. B. Patel Young Scientists Medal**



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



**Bronze Medal - Immunoematology Lab
Dr T. B. Patel Young Scientists Medal**



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

No	Conference / Training / CME	Organizers	Date
1	Workshop on Lymphoedema Management and Awareness on World Lymphoedema Day	Surgical Oncology Department and Physiotherapy Department	March 6, 2023
2	Organised a program of Felicitation of Cancer Warrior Patients on the occasion of Bone Cancer Awareness Week	Dr Abhijeet Salunke Surgical Oncology Department	October 14, 2022
3	Organised a program on Sarcoma Awareness Warrior Program 2022	Dr Abhijeet Salunke Surgical Oncology Department	July 31, 2022

M8. PROFESSIONAL TRAINING TO PARAMEDICS (TECHNOLOGICAL COURSES)

Medical laboratory technology is one of the large stand 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 health care 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 48 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.

M9. STAFF TRAINING-INTRAMURAL AND EXTRAMURAL

No.	Name	Designation	Division / Department	Subject of Training	Date and Place
1	Dr Rohini Patel	Medical Officer	Community Oncology	Colposcopy Training	12-15, Dec 2022 Barshi, Maharashtra



N. LION BHARAT KSHATRIYA COMMUNITY ONCOLOGY CENTER

Chief Executive Officer, Community Oncology Center: Dr Geeta Joshi

Public Relation Officer: Mrs Darshana Butala

Visiting Physician: Dr Darshan Parikh, Dr Mustufa Rangwala, Dr Venil Shah

Visiting Radiologist: Dr Parag Sheth

Visiting Nephrologist: Dr Rutul Dave, Dr Ravi Bhadania

Visiting Medical Oncologist: Dr Akash Patel, Dr Bhavesh Parekh

Physiotherapist: Dr Nalin Parmar



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 1, 2021.
- C. Physiotherapy Centre: We have well equipped physiotherapy Centre for patients needing rehabilitation following trauma, injury or surgery.
- D. We have started Chemotherapy services at COC from April 7, 2022. Patients are given chemotherapy following consultation by visiting Medical Oncologists.
- E. We have upgraded our USG machine for doing ECHO. We have started 2D ECHO services at COC from August 1, 2022. Health Check-up Visitors and Chemotherapy patients will be benefited with this services. The test is done as per the advice of the Physician.
- F. Nephrology OPD has been started every Friday morning from 9 am to 11 am.
- G. 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.
- H. Home Care Services: The Home Care Services are provided by a Nursing Staff, Social Worker and Doctor to home bound cancer patients.
- I. Dialysis Services: We have five beds for Dialysis of CKD patients. We have Ayushman Bharat PMJAY approval to serve PMJAY beneficiaries.
- J. Chemotherapy Unit: We have started these services for cancer patients.



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Details of Work Done	Number
Health Check Up Visitors	3413
Hospice Admission	356
Physiotherapy attendees	258
Dialysis Patients (Total Dialysis)	444
Home Visits	31
Exhibition Visitors	2530

Academic Activities:

Sr No	No. of Students Visited at COC, Vasna	Students Visited from/ Supported by	Duration	Training
1	24	Sadvichar Parivar and VaghBakri Foundation	3/5/22 to 21/5/22	General Duty Assistant Training
2	25		16/8/22 to 5/9/22	
3	19		15/11/22 to 5/12/22	
4	01	National Institute of Design	-	Design for Space & Interactive Textile
5	01	Karnavati University	1/8/22 to 30/8/22	Internship in Psychology
6	01	Anant National University	20/1/23 to 31/1/23	For Study of Hospice buildings

Major Achievement: Dr Geeta Joshi received “Indian Society for the study of Pain-Oration 2022” at Bhuvneshwar on April 16, 2022. Dr Geeta Joshi is awarded Shri Madanmohan Ramanlal GCRI Luminary Oration Award for 2023 for her contribution to GCRI on February 18, 2023. She delivered an Oration on “Anesthesiology to Palliative Medicine: A Journey Down the Memory Lane!” On December 2, 2022, Dr Geeta Joshi delivered a talk on “You bear cancer by

how you live, why you live and in the manner in which you live” at Cancer Awareness Program held by L. J. Institute of Management Studies, Ahmedabad. On February 2, 2023, she was invited as a Guest Speaker for Cancer awareness talk to Army personnel in Ahmedabad Cantonment. Dr Geeta Joshi was called by Nivea India Pvt. Ltd to give talk on “Ill effects of Tobacco” to their employees on June 7, 2022.

Public Services: On May 31, 2022 “World No Tobacco Day” was celebrated with hospice patients, caregiver’s family members and youth from slum area. From Gujarat Vidyapith, 25 security personnel & other contract staff visited for Cancer Exhibition & were given talk on “Cancer & Tobacco”. On August 9, 2022 “Rakshabandhan” was celebrated, the patients admitted to the hospice were tied with Rakhi by the sisters of Brahmakumari. 75th Independence Day was celebrated. Flag hoisting ceremony was held on the occasion of Azadi Ka Amrit Mohotsav. School children were made to visit cancer exhibition and given information about cancer. Gifts were given to school children. World Hospice & Palliative Care Day celebrated on October 8, 2022. The theme was ‘My Care, My Comfort’. On November 24, 2022 Balloon Show celebrated with staff and patients. Musical evening was organized by Community Oncology Centre & Higher than Hope Foundation. Approximately 80 guests, hospice patients, & their relatives enjoyed the melodious musical program performed by Amitaben Sheth & Kaushal Yagnik. On January 19, 2023, “Melavado”-a get together of Parkinson’s disease patients of B K Parekh group and Hospice patients. They were involved in various activities like, Laughing Yoga, Kite flying and dance and musical performance. 74th Republic Day was celebrated and Imroz Shaikh, a volunteer and his father, Mr Shaikh a Musician gave musical performance and entertained patients. The staffs of the hospital, members of SBI Pensioners Association, and 45 members of B K Parekh Parkinson’s Group were present in this program. On World Cancer Day-February 4, 2023, students of KK Shah Jarodwala Maninagar Science College visited the cancer exhibition at the Community Oncology Center. On this occasion, a play was presented by the students of the college for cancer awareness.



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O. OUTREACH ACTIVITIES

Cancer Screening Camps: 90 Camps 62 Places

Shivam Sewa Trust, Baherampura, Ahmedabad (03/04/2022); 17, Sunrise park, Vastrapur, Ahmedabad (10/4/2022); Inner Wheel Club, Unjha (15/4/2022, 17/04/2022); Anand Bhuvan, Surendranagar, (18/04/2022); Sadvichar Parivar, Ahmedabad (29/04/2022, 06/05/2022, 03/6/2022, 10/6/2022, 17/6/2022, 24/6/2022, 08/7/2022, 15/7/2022, 22/7/2022, 31/7/2022, 09/9/2022, 16/9/2022, 30/9/2022, 07/10/2022, 14/10/2022, 04/11/2022, 11/11/2022, 18/11/2022, 26/11/2022, 23/12/2022, 06/1/2023, 20/1/2023, 10/2/2023, 24/03/2023); Anand Hospital, Hirawadi, Ahmedabad (01/05/2022); Hajipur PHC, Gandhinagar (07/5/2022); Rajula, Amreli (08/5/2022); Motherlove Women's Hospital & Gynec Endoscopy Center, Nikol-Naroda, Ahmedabad (09/5/2022); Talod Gayatri Parivar (15/5/2022); Unava PHC, Gandhinagar (24/5/2022); Civil Hospital, Visnagar (29/5/2022); Air force, Vadsar, Gandhinagar (02/6/2022); Saij, Gandhinagar (04/6/2022); Mahagujarat Hospital, Nadiad (19/6/2022); Rotary Club Himmatnagar, Rotary Physiotherapy Center, Chhapariya Cross road, Himmatnagar (26/6/2022); HB Vidhyalay, Falu, Ranchhodpura, Vijapur (26/6/2022); Sadhu Vaswani High School, Sardarnagar Ahmedabad (03/7/2022); Shri Akhil Bhartiya Kutch Kadva Patidar-Yuvasangh-Sabar region, Navanagar Kampa, Himmatnagar-Vijapur Highway (10/7/2022); Raj Saubhagya, Sayla, (24/7/2022); Giants Group of Sihor, (07/8/2022); Sabar region, Dhansura Division (12/8/2022); Odhav, Ahmedabad (29/7/2022); Kani, Mehamadabad, Kheda (21/8/2022); Unava, Gandhinagar (28/8/2022); Bharat Vikas Parishad, Ahmedabad (04/9/2022); Atmaram Kaka Physiotherapy Center, Mehsana (06/9/2022); Pansar PHC, Kalol

(07/09/2022); Nayara Energy Ltd, Jamnagar (10/9/2022); Nayara Energy Ltd, Jamnagar (11/9/2022); Mokhasan PHC, Kalol (15/9/2022); P T Mirani Hospital Godhara (18/9/2022); Saij PHC, Kalol (20/9/2022); Hajipur PHC, Kalol (22/9/2022); Jilla Panchayat, Mehsana (23/9/2022); Kutchch Kadva Patidar Samaj (25/9/2022); Dhanaj PHC, Kalol (27/9/2022); Dewanshi Hospital, Mehsana (09/10/2022); Jagrut Mahila Sangathan, Anand (09/10/2022); Bhabhar, Banaskantha (15/10/2022); Bhabhar, Banaskantha (16/10/2022); Thakkarbapanagar, Ahmedabad (16/10/2022); Swaminarayan Mandir, Kalupur, Ahmedabad (21/10/2022); ; Rajpipla, Nanand, Narmada (20/11/2022); Gandhipara, Himmatnagar (18.12.2022); Gayatri Parivar Trust, Gandhiinagar (25/12/2022); Kachchhh Kadva Patidar Samaj, Himmatnagar (08/1/2023); GIDC Naroda, Ahmedabad (16/01/2023); Swaminarayan Mandir, Muli, Surendranagar (22/1/2023); Rajpipla (02/2/2023, 03/2/2023); Jagrut Mahila Sangathan, Anand (05/2/2023); Jagudan Mehsana (05/2/2023); Maa Foundation Amraiwadi, Ahmedabad (08/2/2023); RAF Camp Vastral, Ahmedabad (11/2/2023); KKP Yuvasangathan, Modasa (12/2/2023, 19/2/2023); Women's Wing of CNI, CTM, Ahmedabad (18/2/2023); G.I.D.C Mehsana (21/02/2023); Charitable Hospital, Naroda , Ahmedabad (26/2/2023); Maher Samaj, Derodar, Porbandar (05/3/2023); Satya Sai Medical Centre, Vejalpur, Ahmedabad (07/3/2023); Samarpan Trust, Palanpur (12/3/2023); Bhesan, Junagadh (19/03/2023); Primary School Adivada, Becharaji, (25/03/2023); Civil Hospital, Deesa, Palanpur (26/03/2023); A.P.M.C Hall, Visnagar, Mehsana (31/03/2023).



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Cancer Awareness Camps: 07 Camps 07 Places

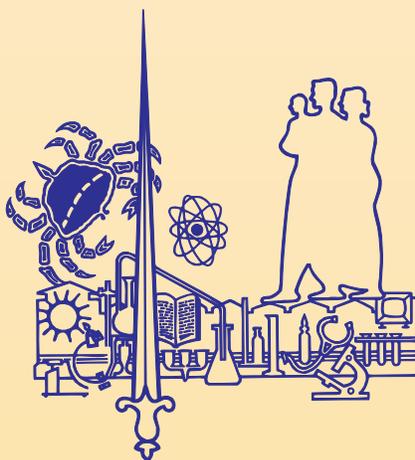
NCC, Group Headquarters Engineering College, Ahmedabad (28/5/2022); RTF Head Quarters, Vastral, Ahmedabad (30/5/2022, 20/6/2022); Rotary Club, Maninagar, Ahmedabad (09/10/2022);

Sherisa Jain Derasar, Kalol, (15/12/2022); Naroda Gam, Ahmedabad (01/1/2023); Dehgamta ,Bavla (16/2/2023).

Blood Donation Camps: Places 43 Camps: 47

Gujarat Housing Board, Nalsarovar Road, Sanad (17/04/2022), Hi cone GIDC Rajkot (01/05/2022), Gam: Haripar, Rajkot (06/05/2022), Talod, Sabarkantha (15/05/2022), Aroda, Sabarkantha (17/05/2022), Zinjar, Dhandhuka (19/05/2022), Varun Industries Gondal Chokdi Rajkot (23/05/2022), Vishal Bearings, Shapar, Rajkot (29/05/2022), Pankornaka, Ahmedabad (14/06/2022), SKF Bavla Ahmedabad (14/06/2022), Pet Pooja, Prahladnagar, Ahmedabad (17/06/2022), J K Laxmi Cement, Motibhoyan, Kalol (20/06/2022), Gangotri School, Gondal (23/06/2022), P V Modi School, Rajkot (26/06/2022), Brahmani hall, Kothariya, Rajkot (06/07/2022), Marwadi University Rajkot (13/07/2022), Bhayla Plant, Bavla (16/07/2022), Omnitek Pvt. Ltd., Rajkot (19/07/2022), Ardoi, Rajkot (29/07/2022), Tarnadhar, Jamnagar (30/07/2022), Nagar Bording, Rajkot (02/08/2022), Marwadi College, Rajkot (04/08/2022), Noravest Pvt. Ltd., Khokhra, Ahmedabad (23/08/2022), Rajkot (09/08/2022),

Tapovan Circle, Chandkheda (15/08/2022), Khodiyar Nagar, Behrampura, Ahmedabad (21/08/2022), IIT Gandhinagar (11/09/2022), M L College Modasa (15/09/2022), Orchid Green, Shahibaug, Ahmedabad (17/09/2022), Lexru Water Tec, Dascroi, Ahmedabad (17/09/2022), Shubham Apartment, Maninagar, Ahmedabad (18/9/2022), Prabha Hanuman, Adalaj, Gandhinagar (05/10/2022), Godrej City, Ahmedabad (09/10/2022), Police Chowki, Thakkarnagar, Ahmedabad (01/11/2022), Umiya School Mandal (18/12/2022), BAPS Mahotsav, Oganaj, Ahmedabad (21/12/2022, 30/12/2022, 04/01/2023, 12/01/2023), Kubernagar Bunglow Area, Ahmedabad (22/12/2022), Chandrala, Gandhinagar (25/12/2022), Kankriya Carnival, Ahmedabad (27/12/2022), Vidhansabha, Nikol, Ahmedabad (26/01/2023), GIDC Naroda (29/01/2023), Jat samaj, Aslali (13/02/2022), Padgol, Petlad (10/03/2023), Unic Aasiyana Flat, Gota, Ahmedabad (12/03/2023).





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P. FUNCTIONING OF COMMITTEES

Internal Management Committee	
Dr Shashank Pandya	Chairman, Director
Dr Priti Sanghavi	Member, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr Mohit Sharma	Member, Professor & Head, Surgical Oncology
Dr Himanshu Soni	Member, Professor, Radiodiagnosis

Purchase Committee	
Mr Prashant Kinnarivala	Chairman, General Secretary, GCS
Dr Shashank Pandya	Member Secretary, Director, GCRI
Mr Kshitish Madanmohan	Member, Vice president, GCS
Dr Priti Sanghavi	Special Invitee, I/c Dy. Director, Professor & Head, Palliative Medicine
Mr Deevyesh Radia	Special Invitee, Secretary, GCS
Mr Kaushik D. Patel	Special Invitee, Secretary, GCS

GCRI Website Committee	
Dr Shashank Pandya	Chairman, Director
Dr Priti Sanghavi	Member, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Dhruvi Desai	Member, RMO Class-I
Mr Samip Dave	Member, Chartered Accountant, Account Section
Mr Navnit Jethava	Member Secretary, Head, IT Section
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	Member, Chief, Educational Graphics & Medical Photography
Mr Jagdish Gohel	Member, Assistant Librarian



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Library Committee	
Dr Shashank Pandya	Chairman, Director, & Prof Surgical Oncology
Dr Priti Sanghavi	Member, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Sonia Parikh	Professor In-charge, Professor & HOU Medical Oncology Unit-III
Dr Jayashree Thakkar	Member, Prof & Head, Anaesthesiology
Dr Shilpa Patel	Member, Prof & Head, Gynaecological Oncology
Dr Hitesh Rajpura	Member, Prof & Head, Radiodiagnosis
Dr Priti Trivedi	Member, Prof & Head, Oncopathology
Dr Ankita Parikh	Member, Prof & Head, Radiation Oncology
Dr Hemangini Vora	Member, Prof & Head, Cancer Biology
Dr Dhruvi Desai	Member, RMO Class-I
Dr Trupti Trivedi	Member, Assistant Professor of Cancer Biology
Dr Nuri Kalita	Member Secretary, Librarian

GCS Research Journal Committee	
Dr Shashank Pandya	Chairman, Director
Dr Pariseema Dave	Chief Editor, Professor & Chief of Unit, Gynaecological Oncology
Dr Abhijeet Salunke	Chief Editor, Assistant Professor, Surgical Oncology
Dr Toral Mandalia	Chief Editor, Research Assistant, Cancer Biology
Dr Nayan Jain	Associate Editor, Former Dean, Life Sciences, Gujarat University
Dr Priti Sanghavi	Member, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Ankita Parikh	Member, Professor & Head, Radiation Oncology
Dr Shilpa Patel	Member, Professor & Head, Gynaecological 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 & Head, Medical Oncology
Dr Mohit Sharma	Member, Professor & Head, Surgical Oncology
Dr Anand Shah	Member, Assistant Professor & Head, Community Oncology & Medical Records
Mr Rushi Patel	Chief, Educational Graphics & Medical Photography



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Government Scheme Implementation Committee	
Dr Shashank Pandya	Chairman, Director
Dr Anand Shah	Member Secretary, Assistant Professor & Head, Community Oncology
Dr Dhruvi Desai	Member, RMO Class - I
Dr Minesh Patel	Member, RMO Class - II
Mr Samip Dave	Member, Chartered Accountant, Account Section
Mr Himanshu Patel	Member, Medical Record Officer, Medical Records Department

ICS Cancer Cure Fund	
Dr Shashank Pandya	Chairman, Director
Mr Samip Dave	Member Secretary, Chartered Accountant, Account Section
Dr Apurva Patel	Member, Professor, Medical Oncology
Dr Dhruvi Desai	Member, RMO Class- I
Dr Anand Shah	Member, Assistant Professor & Head, Community Oncology Department
Mr Himanshu Patel	Member, Medical Record Officer, Medical Records Department

Patient Care Evaluation Committee	
Dr Shashank Pandya	Chairman, Director
Dr Priti Sanghavi	I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Dhruvi Desai	Member Secretary, RMO Class-I
Mr Divyesh Radia	Member, Secretary, GCS
Ms Mona Darji	Member, Matron, Grade - I
Mr Manisha Katara	Member, Matron, Grade - II

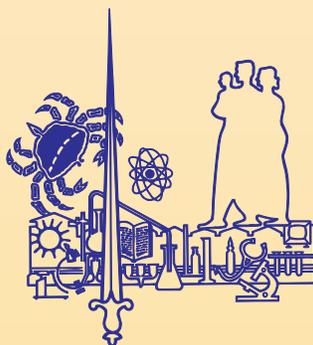
SC / ST Cell	
Dr Priti Sanghavi	Chairperson, I/c Dy. Director, Professor & Head, Palliative Medicine
Ms Mona Darji	Member, Deputy Nursing Superintendent
Dr Dhruvi Desai	Member, RMO Class-I
Dr Rekha Solanki	Member, Assistant Professor, Anaesthesiology
Ms Manisha Katara	Member, Matron Grade-II
Mr Dharmesh Rana	Member, Jr. Data Entry Operator



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NABL Accreditation Committee	
Dr Shashank Pandya	Chairman, Director
Dr Priti Sanghavi	I/c. Dy. Director, Professor & Head, Palliative Medicine
Dr Priti Trivedi	Member Secretary, Professor & Head, Oncopathology
Dr Biren Parikh	Co-ordinator, Associate Professor, Oncopathology
Dr Foram Patel	Member, Assistant Professor, Microbiology
Dr Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr Pina Trivedi	Member, Sr. Scientific Officer, Cancer Biology
Dr Nainesh Menat	Member, Assistant Professor, Oncopathology & BTO
Mr Mahesh Ahir	Member, Civil Engineer
Mr Sanjay Patel	Member, Electrical Engineer
Dr Trupti Trivedi	Assistant Professor, Cancer Biology
Dr Kruti Rajvik	Junior Scientific Officer, Cancer Biology
Ms Rachana Shah	Biochemist, NABL Co-ordinator, Oncopathology

Hospital Waste Management Committee	
Dr Shashank Pandya	Chairman, Director
Dr Foram Patel	Member Secretary, Assistant Professor, Microbiology
Ms Mona Darji	Member, Matron
Ms Leena Bhatt	Member, Sister In-charge
Bio-Medical Waste Supervisor	Member
Mr Jignesh Patni	Member, Sanitary Inspector
Mr Donald Christian	Member, Sanitary Inspector

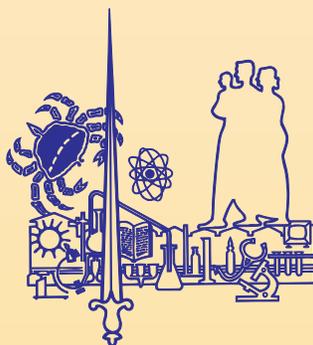




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Safety Committee	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Co-Chairperson, I/C Deputy Director
Mr Mayur Visani	Member Secretary, I/C Engineering, Electronic Engineer
Dr Minesh Patel	Member, RMO Class-II, Patient Safety Officer
Dr Jayashree Thakkar	Member, Professor & Head, Anaesthesiology
Dr Jayendra Patel	Member, Sr. Sci. Officer, Cancer Biology
Mr Mahesh Ahir	Member, Civil Engineer, Engineering Section
Mr Sanjay Patel	Member, Electrical Engineer, Engineering Section
Ms Mona Darji	Member, Deputy Nursing Superintendent
Mr Om Prakash	Member, Nuclear Health Physicist, Nuclear Medicine
Mr Mahendrasinh Kumpavat	Member, PS to Director, Secretarial Section
Mr Arpit Christian	Member, Assistant Staff Brother, Nursing Services

Women's Development Cell	
Dr Hemangini Vora	Chairperson, Professor & Head, Cancer Biology
Dr Dhruvi Desai	Member Secretary, RMO Class-I
Dr Foram Patel	Joint Secretary, Assistant Professor & Head, Microbiology
Dr Nita Gosai	Member, Associate Professor, Anesthesiology
Dr Franky Shah	Member, Sr. Sci. Officer, Cancer Biology
Dr Sonal Patel Shah	Member, Professor, Radiation Oncology
Dr Beena Brahmabhatt	Member, Assistant Professor, Oncopathology
Ms Mona Darji	Member, Deputy Nursing Superintendent
Dr Rohini Patel	Member, Medical Officer, Community Oncology
Dr Drasty Rathod	Member, Associate Professor, Radiodiagnosis





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Anti-Sexual Harassment Committee (Internal Complaints Committee)	
Dr Priti Sanghavi	Chairperson, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Hemangini Vora	Co-Chairperson, Professor & Head, Cancer Biology
Mr Krunal Khatri	Member, Legal Officer, Legal Section
Dr Geeta Joshi	C.E.O., COC Vasna
Dr Himanshu Soni	Member, Professor, Radiodiagnosis
Ms Mona Darji	Member, Deputy Nursing Superintendent
Ms Pratima Desai	Member, NGO, Social Worker (External)

Information Technology Committee	
Dr Shashank Pandya	Chairman, Director
Dr Priti Sanghavi	Member, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Dhruvi Desai	Member, I/c Hospital Administrator, RMO Class-I
Mr Haren Shah	Hon. External IT Advisor (Invitee)
Mr Navnit Jethava	Member Secretary, IT, Head
Mr Mayur Visani	Member, Electronic Engineer, Bio-Medical Section
Mr Samip Dave	Member, Chartered Accountant, Account Section
Mr Mahendra Kumpavat	Member, PS to Director, Secretarial Section

Committee to Review - Out Source Services	
Dr Dhruvi Desai	Chairperson, I/c Hospital Administrator, RMO Class-I
Dr Minesh Patel	Member, RMO Class - II
Mr Samip Dave	Member, Chartered Accountant, Account Section
Ms Mona Darji	Member, Deputy Nursing Superintendent
Mr Krunal Khatri	Member Secretary, Labour Officer, Lega Section
Ms Aneraben Daranga	Member, Sr. Clerk, Store Section
Mr Bharat Trivedi	Member, Store Keeper Cum Cashier (In-charge A.O.), HR Section
Ms Manisha Katara	Member, Matron Grade-II



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Hospital Infection Control Committee	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Dr Foram Patel	Member Secretary, Asst. Professor & Head, Microbiology
Dr Dhruvi Desai	Member, RMO Class-I
Dr Jayshree Thakkar	Member, Professor & Head, Anaesthesiology
Dr Sonia Parikh	Member, Professor, Medical Oncology
Dr Shilpa Patel	Member, Professor & Head, Gynaecological Oncology
Dr Vikas Warikoo	Member, Associate Professor, Surgical Oncology
Ms Mona Darji	Member, Deputy Nursing Superintendent
Ms Aneraben Daranga	Member, Sr. Clerk, Store Section
Ms Shweta Shah	Member, Chief Pharmacist
Ms Indira Macwan	Member, ICN
Ms Jyotika Chavda	Member, ICN
Mr Arpit Christian	Member, ICN
Ms Praisy Rathod	Member, ICN
Mr Mahesh Ahir	Member, Civil Engineer, Engineering Section
Mr Mayur Visani	Member, BMW
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
Mr Jignesh Patni	Member, Sanitary Inspector

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, Educational Graphics & Medical Photography
Mr Mahendra Kumpavat	Stenographer, Secretariat Section



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Institutional Review Committee for Dissertation / Thesis / Publication / Conference Presentation	
Dr Shashank Pandya	Chairman, Director, GCRI
Dr Priti Sanghavi	Co-chairperson, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Harsha Panchal	Member Secretary, (Clinical-IRC for Dissertation/Thesis & Publications and Conference Presentation), Professor & Head, Medical & Paediatric Oncology
Dr Trupti Trivedi	Member Secretary, IRC for Publications & Conference Presentations Assistant Professor, Cancer Biology
Dr Pina Trivedi	Member Secretary, Research-IRC for Dissertation & Thesis Senior Scientific Officer, Cancer Biology
Shri Kshitish Madanmohan Shah	Member (NGO representative, Social Worker), General Secretary, Gujarat Cancer Society
Dr Prabhudas Patel	Member, Former Professor & Head, Cancer Biology
Dr Amar Vyas	Member, Department of PSM, BJMC, Ahmedabad
Ms Illa U Vora	Member, Social Worker
Dr Ankita Parikh	Member, Professor & Head, Radiation Oncology
Dr Priti Trivedi	Member, Professor & Head, Oncopathology
Dr Hemangini Vora	Member, Professor & Head, Cancer Biology
Dr Himanshu Soni	Member, Professor, Radiodiagnosis
Dr Foram Patel	Member, Assistant Professor & Head, Microbiology

Institutional Committee for Stem Cell Research (IC-SCR)	
Dr Kirti Patel	Chairman, Dean, 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 Illa U Vora	Member



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Scientific Research Committee	
Dr Shashank Pandya	Chairman, Director, GCRI
Dr Pariseema Dave	Co-chairperson, Dy. Director (Former), Professor & Head, Gynaec Oncology, Unit II
Dr Priti Sanghavi	Co-chairperson, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Sonia Parikh	Assistant Member Secretary, Professor & Head, Medical Oncology, Unit III
Dr Hemangini Vora	Assistant Member Secretary, Professor & Head, Cancer Biology
Dr Kirti Patel	Member (External), Director, GCS Medical College, Ahmedabad
Dr Asha Anand	Member (External), Former Professor & Head, Medical & Paediatric Oncology
Dr Prabhudas Patel	Member (External), Former Professor & Head, Cancer Biology
Dr Sunil Trivedi	Member (External), Professor & Senior Scientific and Academic Coordinator Institute of Human Genetic Centre, FRIGE House, Ahmedabad
Dr Rakesh Rawal	Member (External), Professor & Head, Department of Life Sciences, Gujarat University, Ahmedabad
Dr Nayan K. Jain	Member (External), Former Professor & Head, Department of Life Sciences, Gujarat University, Ahmedabad
Dr Chaitanya Joshi	Member (External), Professor & Director, Gujarat Biotechnology Research Centre, Sector 11, Gandhinagar
Dr Snehal Bagatharia	Member (External), Joint Director, R & D, GSBTM, Gandhinagar
Dr Vishal Mishra	Member (External), Basic Medical Scientist (Pharmacologist)
Dr R. K. Dikshit	Member (External), Basic Medical Scientist (Pharmacologist)
Dr Shilpa Patel	Member, Professor & Head, Gynaecological Oncology
Dr Ankita Parikh	Member, Professor & Head, Radiation Oncology
Dr Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr Priti Trivedi	Member, Professor & Head, Oncopathology
Dr Jayshree Thakkar	Member, Professor & Head, Anaesthesiology
Dr Trupti Trivedi	Member, Assistant Professor, Cancer Biology
Dr Jayendra Patel	Member, Senior Scientific Officer, Cancer Biology
Anti-Ragging Committee	
Dr Priti Sanghavi	Chairperson, I/c Dy. Director, Professor & Head, Palliative Medicine
Dr Dhruvi Desai	Member, RMO Class-I
Dr Mohit Sharma	Member, Professor & Head, Surgical Oncology



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Ethics Committee	
Hon'ble Justice Shri Bankim N. Mehta (Rtd.)	Chairman, Legal Expert (External)
Shri Milan Narayanbhai Patel	Vice Chairman, Legal Expert (External)
Dr Pariseema Dave	Member Secretary, Clinician
Dr Hemangini Vora	Alternate Member Secretary, Scientific Member
Shri Kshitish Madanmohan Shah	Member
Dr R. K. Dikshit	Member, Basic Medical Scientist (Pharmacologist) (External)
Dr Amar Vyas	Member, Social Scientist (External)
Dr Sonia Parikh	Member, Clinician
Dr Vishal Mishra	Member, Basic Medical Scientist (Pharmacologist) (External)
Mrs Illa U Vora	Member, Lay person (External)
Ms Nuri Kalita	Member

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

Ethics Committee For Compensation (A sub-committee of GCRI/ GCS Ethics Committee)	
Shri Milan N. Patel	Chairman, Legal Expert
Dr Pariseema Dave	Member, Professor & Chief of Unit, Gynaecological Oncology
Shri Kshitish Madanmohan Shah	Member



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

Radiation Safety Committee	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Member, I/C Dy. Director, Professor & Head, Palliative Medicine
Mr Satish Pelgade	Member Secretary, Asso. Professor, Medical physics, RSO
Dr Ankita Parikh	Member, HOD and Professor, Radiation Oncology
Dr Hitesh Rajpura	Member, Professor & Head, Radiodiagnosis
Dr Ritesh Suthar	Member, Assistant Professor & Head, Nuclear Medicine
Dr Nainesh Menat	Member, Assistant Professor, Oncopathology & BTO
Mr Tushar Bopche	Member, Radiophysicist
Mr Om Prakash	Member, Nuclear Health Physicist



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Blood Transfusion Committee	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Dr Priti Trivedi	Member Secretary, Professor & Head, Oncopathology
Dr Dhruvi Desai	Member, I/c Hospital Administrator, RMO Class-I
Dr Nainesh Menat	Member, Assistant Professor, Oncopathology & BTO
Dr Apurva Patel	Member, Professor, Medical Oncology
Dr Bijal Patel	Member, Professor, Gynaecological Oncology
Dr Vikas Wariko	Member, Associate Professor, Surgical Oncology
Dr Nita Gosai	Member, Associate Professor, Anesthesiology
Ms Mona Darji	Member, Deputy Nursing Superintendent

Pharmacy and Therapeutic Committee	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Co-Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Ms 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, Gynaecological Oncology
Dr Mohit Sharma	Member, Professor & Head, Surgical Oncology
Dr Foram Patel	Member, Assistant Professor & Head, Microbiology
Ms Mona Darji	Member, Deputy Nursing Superintendent
Mr Kalpesh Sathwara	Member, Jr. Pharmacist
Mrs Jyotika Chavda	Member, Infection Control Nurse



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Medical Audit Committee	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Co-Chairperson, Member, I/C Dy. Director, Professor & Head, Palliative Medicine
Dr Jayshree Thakkar	Member Secretary, Professor & Head, Anaesthesiology
Dr Ankita Parikh	Member, Professor & Head, Radiation Oncology Department
Dr Shilpa Patel	Member, Professor & Head, Gynaecological Oncology
Dr Harsha Panchal	Member, Professor & Head, Medical Oncology
Dr Vikas Warikoo	Member, Associate Professor, Surgical Oncology
Dr Bijal Patel	Member, Professor, Gynaecological Oncology
Dr Leena Patel	Member, Associate Professor, Anaesthesiology
Dr Abhesinh Rathod	Member, Chief HAM
Mr Himanshu Patel	Member, Medical Record Officer
Mr Jagdish Parmar	Member, Junior Pharmacist
Mr Rahul Priyadarshi	Member, Junior Pharmacist

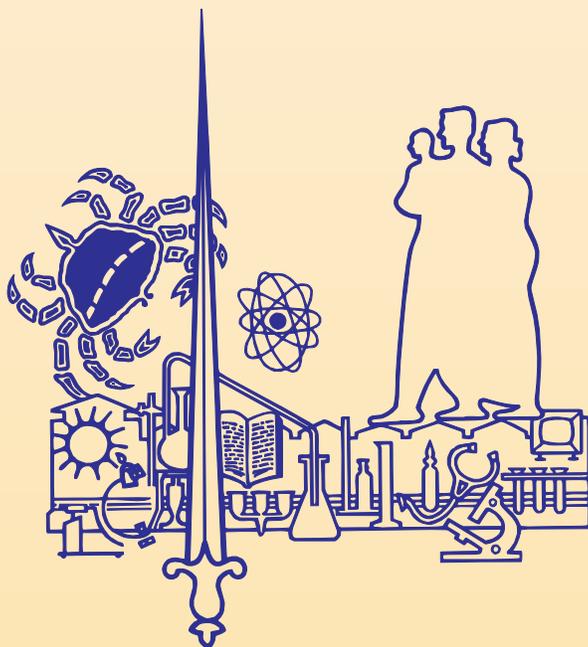
Grievance Redressal Committee (GCRI Employee)	
Dr Priti Sanghavi	Chairperson, I/C Dy. Director, Professor & Head, Palliative Medicine
Mr Krunal Khatri	Member Secretary, Labour Officer
Mrs Manisha Katara	Member, Matron Grade - II
Ms Rachna Shah	Member, NABL Co-ordinator
Mr Krutarth Pandya	Member, Independent Member (Advocate)

Grievance Redressal Committee (GCRI Students)	
Dr Shashank Pandya	Chairperson, Director
Dr Priti Sanghavi	Member, I/c Dy. Director, Professor & Head of Palliative Medicine
Dr Sonia Parikh	Member, Professor, Medical Oncology
Dr Mohit Sharma	Member, Professor & Head, 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, Dean, B. J. Medical College, Professor & Head of Plastic Surgery, External Medical Expert



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



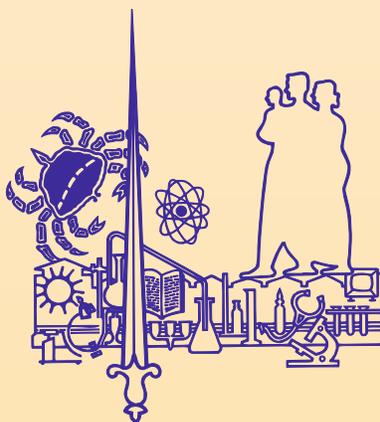


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Q. RESEARCH ACTIVITIES

**Q1. CONFERENCE PRESENTATION - INTERNATIONAL
APRIL 2022 - MARCH 2023**

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place Virtual mode
Molecular Diagnostics & Research Lab - III				
1	Dr Franky Shah	Identification of copy number variations by oligonucleotide array comparative genomic hybridization analysis from Hereditary Breast & Ovarian Cancer Patients- e-Poster	6 th international BRCA hybrid Forum 2022	19 Aug 2022, Singapore
2	Ms Bhoomi Tarapara	Identification of copy number variations by oligonucleotide array comparative genomic hybridization analysis from Hereditary Breast & Ovarian Cancer Patients- e-Poster		
Gynaecological Oncology				
3	Dr Bijal Patel	How to Manage Ovarian Mass in 2023? (Panelist)	CME by Annual Meeting of the Asia Oceania Geosciences Society and Apollo CBCC Cancer Care	5 Feb 2023, Singapore





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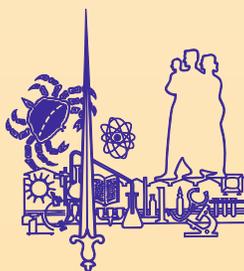
CONFERENCE PRESENTATION - NATIONAL APRIL 2022 - MARCH 2023

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Gynaec Oncology				
1	Dr Pariseema Dave	Post-operative incidental diagnosis of uterine malignancy (Panel Moderator)	29 th Annual conference Association of Gynaecologic Oncologists of India 2022	5 Nov 2022, Lucknow
Molecular Diagnostic & Reseach Lab - III				
2	Mr Hitarth Patel	Identification of natural compounds to inhibit sonic hedgehog pathway in oral cancer	5 th international conference on nutraceuticals and chronic diseases, Pharmaceuticals and nutraceuticals for cancers and other chronic diseases	7-9 Oct 2022, Delhi
Palliative Medicine				
3	Dr Lekha Raval	Chemical Pleurodesis with povidone-iodine in patient having malignant pleural effusion (Oral)	30 th International Conference of Indian Association of Palliative Care, 2023	11 Feb 2023, Bengaluru
4	Dr Savan Kukadia	Management of intractable dyspnea in a patient of Metastatic Soft Tissue Sarcoma(STS) of right thigh: A case report (Poster)		
Surgical Oncology				
5	Dr Mohit Sharma	Debate in breast cancer on axilla management (ALND vs RT)	Indian Society of Medical and Pediatric Oncology- Indian Society of Oncology Conference, 2022	28-30 Oct 2022, Chennai
6		Thymic tumors - Panelist	All India Institute of Medical Sciences NCI Thoracic Surgery Workshop, 2023	1-3 March 2023
7	Dr Ketul Puj	De-escalation of Axillary treatment in breast cancer patients - Panelist	East Zonal Conference of Indian Association of Surgical Oncology	21 Jan 2023, Lataguri, West Bengal
8	Dr Priyank Rathod	Anaplastic Thyroid Cancer	5 th National Meeting of Indian Society of Thyroid Surgeons	24 Mar 2023, Cochin
9		Imaging advances in Thyroid and Parathyroid		



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Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
10	Dr Abhijeet Salunke	Unplanned sarcoma surgery (UPSS)	Indian Orthopedic Association National Conference, 2022	28 Nov- 3 Dec 2022, Amritsar
11		Recent advances in orthopaedic oncology	Rajasthan Orthopedic Association Conference	20-22 Jan 2023, Kumbalgarh Rajasthan
12		Radiology in bone tumors	Indian Musculoskeletal Society National Conference, 2023	3-5 Mar 2023, Chennai
13		Role of 3 D printing in orthopedic oncology	Western India Regional Orthopaedic Conference, 2022	29-31 Dec 2022, Mumbai
14		Approach to upper limb bone tumors	Conference on Management of Upper Limb Bone Tumors	6 Aug 2022, Hyderabad
15		Ewings sarcoma in upper limbs and upper and middle trunk	OrthoOncocon, 2022	9-11 Sep 2022, Mumbai
16		Reconstruction with 3 D printed implant for scapula tumors	30 th Annual National Conference of Indian Association of Surgical Oncology	7-9 Oct 2022, Madurai
17		Limb salvage surgery	Teenage and Young Adult Cancers Conference	17-18 Sep 2022, Indore
18		3 D Printing in orthopedic oncology	Zonal Conference of Indian Association of Surgical Oncology	10-11 Dec 2022, Jodhpur
19		Modified amputations	Orthopedic Oncology CME, Madurai Orthopedic Association	12 Nov 2022, Madurai
20		3D Printing in orthopedic oncology recent advances in orthopedic oncology	Uttarakhand orthopedic Association Conference, 2022	15-17 Apr 2022, Haldwani, Uttarakhand
21		Approach to malignant bone tumors	Bhagwan Mahavir Cancer Hospital Conference	14-15 May 2022, Jaipur





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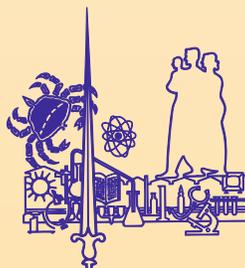
CONFERENCE PRESENTATION - STATE APRIL 2022 - MARCH 2023

Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
Anaesthesiology				
1	Dr Rekha Solanki	VATS guided esophagectomy -How do I do it?	Indian Society of Anaesthesiologists Conference, Gujarat state	17-19 Sep 2022, Rajkot
2	Hetal Rathwa	Anesthetic management in carotid body tumor excision (Poster)	C U Shah Medical College Conference, 2022	4 Sep 2022, Surendranagar
3	Rinkal Patel	Anesthetic management of patient of thyroid carcinoma and myasthenia gravis scheduled for total thyroidectomy (Poster)		
4	Dr Lina Ramteke	Anesthetic management of children with moya moya disease: Report of three case series (Poster)	Joint International Conference	6-8 Jan 2022, Ahmedabad
5	Neel Patel	Anesthetic management in case of thoracic ganglioneuroma in pediatric patient (Poster)		
Cytogenetics				
6	Dr Dharmesh Patel	Significance of molecular cytogenetic study in acute lymphoblastic leukemia patients (Poster)	9 th Annual Conference of Molecular Pathology Association of India, 2022	6-7 Aug 2022, Ahmedabad
7	Dr Mahnaz Kazi	Prevalence of CDKN2A gene deletion in breast cancer: An Indian experience(Oral)		
Gynaecological Oncology				
8	Dr Pariseema Dave	Surgery standard of care in early cervical cancers	Sterling Oncology Summit, 2022	25 Sep 2022, Ahmedabad
9	Dr Bijal Patel	Management of incompletely staged endometrial cancer (Panelist)		
10		Cervical cancer screening using VIA (Invited Lecture)	National Programme for prevention & Control of Cancer Diabetes, Cardiovascular Diseases & stroke programme, Gandhinagar, organized VIA Training of Trainers for Gynecologists	6-8 Dec 2022, Ahmedabad
11	Dr Ruchi Arora	Cervical cancer management using VIA (Lecture)		
12	Dr Chetana Parekh	Anatomy of cervix, HPV and principle of VIA		



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Sr. No.	Name of Presenter	Title of Presentation	Name of Conference	Date & Place
13	Dr Chetana Parekh	Awareness for Cervical cancer and its prevention among Women	Gujarat State Petroleum Corporation as part of Female employment, part of women day celebration	10 Mar 2023, Gandhinagar
Molecular Diagnostics & Research lab- III				
14	Ms Hunayna Bhavnagari	Epigenetic regulation of Hippo signaling pathway in breast cancer: In silico study	9 th Annual Conference of Molecular Pathology Association of India Conference, 2022	6-7 Aug 2022, Ahmedabad
Radiaodiagnosis				
15	Dr Bhaumik Patel	Comparison between transrectal and trans perineal approach of TRUS guided biopsy of prostate	Gujarat Interventional Radiologist, 2022	17 July 2022, Surat
16	Dr Harikrushna Bhatt	Role of USG guided biopsy in sample collection of suspected case of pyloric GIST (Poster)		
17	Dr Viraj Shah	Role of CT guided radiofrequency ablation of osteoid osteoma in long bone, (Poster)		
18	Dr Khyati Patel	Role of CT guided biopsy in paraaortic nodal mass (Poster)		
19	Dr Harsh Shandilya	A case report on Truncus Arteriosus with history of multiple brain abscesses with MR spectroscopy correlation, (Poster)	75 th Annual Conference of the Indian Radiological and Imaging Association	7-8 Jan 2023, Ahmedabad
20	Dr Akshaykumar Chhalia	A case report-Mediastinal Seminoma	IREP 2022	6-8 Aug 2022, Anand
Surgical Oncology				
21	Dr Abhijeet Salunke	Approach to bone tumors	41 th Annual Conference of the Gujarat Orthopaedic Association	3-5 Feb 2023, Bharuch





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Q2. PUBLICATIONS

APRIL 2022-MARCH 2023

Anaesthesiology

1	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 Scientific Res.</i> 2022; 11(1): 76-78.
2	Dipika Patel, Jhanavi Prajapati, Mohit Rathod: Comparison of Bupivacaine HCL and Bupivacaine HCL plus Dexmedetomidine HCl in wound infiltration for postoperative analgesia in patients undergoing gynaecological surgeries. <i>Int J Scientific Res.</i> 2022; 12(5): 1-4.
3	Leena Patel, Chirag Rathva, Vishal Solanki, Rinkal Patel, Jayshree Thakkar: A comparative study of awakening characteristics after Propofol based total intravenous anaesthesia and Sevoflurane based volatile induction and maintenance anaesthesia in short surgical procedure. <i>Ind J Clin Anaesth.</i> 2022; 9(3): 310-315.
4	Bhoomi Maru, Anupama Kisku, Dipika Patel, Tejendra Arya: Evaluate the efficacy of Dexmedetomidine and Fentanyl combination in awake fiberoptic intubation in oral cancer surgery. <i>Int J Anesthesiology Res.</i> 2023; 5(1): 1-4.
5	Bhargav Ram, Dipika Makwana, Hetal Rathva, V Makwana, M Ganvit, Jayshree Thakkar: Evaluation of the post-operative analgesic efficacy of ultrasound guided pectoral nerve block after modified radical mastectomy. <i>Int J Dental and Medical Sci Res.</i> 2022; 4(5): 339-348.
6	Sonabar Khokhar, Jayshree Thakkar, Reka Solanki, Neel Patel, Jai Kishore, Leena Ramteke, Suman Fefar: Comparison of efficacy of ultrasound guided transverse abdominis plane block for postoperative analgesia following lower abdominal cancer surgeries. <i>J Clin Diagnostic Res.</i> 2023; 17(5): 18-22.
7	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(1): 76-78.

Community Oncology & Medical Records

8	Anand Shah, Ravi Patel, Shashank Pandya, Jayesh Solanki, Vaishali Ravani: Evaluation of clinico-demographic profile and survival rate among patients of head and neck cancer. <i>Natl J Community Med</i> 2021; 13: 248-252.
9	Anand Shah: Shift of cervical vaccine regime: 3-2-1. <i>GCS Res J.</i> 2022; 24(1): 1-2.
10	Smita Joshi, Devasena Anantharaman, Richard Muwonge, Neerja Bhatla, Gitika Panicker, Julia Butt, Usha Rani Reddy Poli, Sylla Malvi, Pulikkottil Esmey, Eric Lucas, Yogesh Verma, Anand Shah, Eric Zomawia, Sharmila Pimple, Kasturi Jayant, Sanjay Hingmire, Aruna Chivate, Uma Divate, Shachi Vashist, Gauravi Mishra, Radhika Jadhav, Maqsood Siddiqi, Subha Sankaran, Thiraviam Pillai Rameshwari Ammal Kannan, Purnima Kartha, Surendra Shastri, Catherine Sauvaget, M. Radhakrishna Pillai, Tim Waterboer, Martin Müller, Peter Sehr, Elizabeth Unger, Rengaswamy Sankaranarayanan, Partha Basu: Evaluation of immune response to single dose of quadrivalent HPV vaccine at 10-year post-vaccination. <i>Vaccine.</i> 2023; 41: 236-245.

Cytogenetics

11	Pina Trivedi, Dharmesh Patel, Mahnaz Kazi, Priya Varma: Cytogenetic Heterogeneity in chronic lymphocytic leukemia. <i>J Assoc Genet Technol.</i> 2023; 49(1): 4-9.
12	Dharmesh Patel, Priya Varma, Mahnaz Kazi, Prabhudas Patel, Pina Trivedi: Assessment of PTEN gene loss as a possible prognostic marker for prostate cancer. <i>J Assoc Genet Technol.</i> 2022; 48 (2): 63-67.
13	Dharmesh Patel, Pina Trivedi, Mahnaz Kazi, Priya Varma, Archana Patel: A novel case of constitutional Robertsonian translocation rob (14;21)(q10;q10) with additional cytogenetic abnormality in acute myeloid leukemia. <i>Annals of Oncol Case Reports.</i> 2022; 1(1): 1007.



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14	Mahnaz Kazi, Pina Trivedi, Dharmesh Patel, Priya Varma: Prevalence of CDKN2A gene deletion in breast cancer: An Indian experience. <i>Int. J. Biol. Sci.</i> 2022; 13(1): 1-27.
15	Mahnaz Kazi, Pina Trivedi, Dharmesh Patel, Priya Varma, Archana Patel: IGH gene rearrangement in acute lymphoid leukemia: A study from Western region of India. <i>Int. J. Biol. Sci.</i> 2022; 9(6): 30-36.
16	Priya Varma, Pina Trivedi, Dharmesh Patel, Mahnaz Kazi, Prabhudas Patel: A novel four-way translocation t(1;3;9;22)(p36;p14;q34;q11.2) involving Philadelphia chromosome in a patient of chronic myeloid leukemia: A Case Report. <i>J Case Rep Clin Images.</i> 2022; 5(2): 1121.
Gyneacological Oncology	
17	Nidhi Waghalkar, Pariseema Dave, Bijal Patel, Bijoy Kar, Shilpa Patel, Anshul Bansal: Role of omentectomy and random peritoneal biopsies in the upstaging of apparent early stage epithelial ovarian cancer. <i>GCS Res J.</i> 2022; 24(1): 6-9.
18	Anshul Bansal, Pariseema Dave, Bijal Patel, Bijoy Kar, Nidhi Waghalkar, Faraz Vali: Rare case presentation of synchronous endometrioid adenocarcinoma of ovary and papillary thyroid cancer. <i>GCS Res J.</i> 2022; 24: 13-15.
19	Rujuta Hantodkar, Bijal Patel, Pariseema Dave, Chetana Parekh, Bijoy Kar: Diagnostic value of neutrophil leukocyte ratio and platelet lymphocyte ratio to differentiate adnexal masses as benign or malignant in the preoperative period. <i>GCS Res J.</i> 2022; 24(2): 7-9.
20	Nishu Dhingra, Bijal Patel, Pariseema Dave: A case report of type ii mayer- rokintansky- kuster-hauser syndrome with ovarian inguinal 1 hernia presenting with an adnexal mass. <i>Clin Obstet Gynecol.</i> 2023; (33): 46-49.
21	Dimpy Begum, Bijal Patel: Fundamentals in gynecologic malignancy. Book chapter in Springer Nature, Singapore Pvt Ltd. 2022; 381-386.
22	Ruchi Arora, Shilpa Patel, Abhilash V, Priyanka Vemanamandi: Diagnostic accuracy of HE4 and risk of ovarian cancer algorithm in prediction of ovarian cancer in patients with pelvic mass: a regional cancer centre experience. <i>Int J Reprod.</i> 2022; 11(5): 1531-1538.
Immunohematology Lab	
23	Prabhudas Patel, Hemangini Vora, Birva Shah, Jayendrakumar Patel, Kruti Rajvik, Shashank Pandya, Shilin Shukla: Clinical performance of the consensus immunoscore in colon cancer in the Asian population from the multicenter international SITC study. <i>Cancers.</i> 2022.
24	Hemangini Vora, Kruti Rajvik, Nupur Patel, Sonia Parikh, Priti Trivedi, Shashank Pandya: Clinical utility of predictive markers in triple negative breast cancer. <i>Int J Res and Review.</i> 2022; 9(12):179-186.
25	Birva Raiya, Amisha Gami, Bharti Rathod, Hemangini Vora: Lymphovascular density and pro-inflammatory cytokines in oral squamous cell carcinoma. <i>Int J Dent Med.</i> 2022; 4(6): 605-615.
26	Mittal Mistry, Heer Shah, Nupur Patel, Hemangini Vora: Role of tumor infiltrating CD3, CD4, CD8, CD20 and MPO in triple negative breast cancer. <i>Int J Sci Res.</i> 2023;12(1): 1-4.
27	Dharvi Shah, Nupur Patel, Hemangini Vora: A study of oct3/4 expression in Her2/neu positive breast cancer patients. <i>Int Association of Biologicals & Computational Digest.</i> 2022; 1(2): 342-348.
28	Anjali Kuril, Nupur Patel, Hemangini Vora: Immunohistochemical localization of p16 protein in tongue squamous cell carcinoma. <i>Int Association of Biologicals And Computational Digest.</i> 2022; 1(1): 180-186.
29	Heer Shah, Mittal Mistry, Nupur Patel, Hemangini Vora: Clinical significance of Notch receptors in triple negative breast cancer. <i>Breast Dis.</i> 2023; 42(1):85-110.
30	Kruti Rajvik, PoojaParmar, Beena Bhrambaht, Hemangini Vora: Evaluation of Hexokinase 2 & serum LDH in B-cell non-hodgkin's lymphoma patients. <i>Int J. of Res and Review.</i> 2023; 10(1): 1-10.
Molecular Diagnostics & Research Laboratory - I	
31	Trupti Trivedi, Kinjal Panchal, Neha Bhalala, Priti Trivedi: Prognostic significance of STAT3 gene expression in patients with glioblastoma tumours: a study from western India. <i>J Egypt Natl Canc Inst.</i> 2022; 34: 30.



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Molecular Diagnostic & Research Laboratory - II	
32	Ashi Thobias, Kruti Mehta, Kinjal Patel, Jayendrakumar Patel, Prabhudas Patel: Nonavalent strains of human papilloma virus in the cervical cancer patients from western India. <i>Int J for Res Trends and Innovation</i> . 2022; 7(6): 567-573.
33	Bharati Rathod, Disha Jethva, Toral Mandalia, Kinjal Gajjar, Jayendrakumar Patel: New Horizons in the field of molecular diagnostic techniques: Real Time PCR v/s Droplet Digital PCR for BCR-ABL transcript detection in Chronic Myeloid Leukemia. <i>Int. J. All Res. Educ. Sci. Methods</i> . 2022; 10(10): 1665-1670.
34	Disha Jethva, Bharti Rathod, Toral Mandalia, Kinjal Gajjar, Jayendrakumar Patel: Clinical relevance of tobacco exposure for management of oral cancer: Indian scenario. <i>Int J Res and Analytical Reviews</i> . 2022; 9(4): 337-344.
35	Prabhudas Patel, Hemangini Vora, Birva Shah, Jayendrakumar Patel, Kruti Rajvik, Shashank Pandya, Shilin Shukla: Multicenter international study of the consensus immunoscore for the prediction of relapse and survival in early-stage colon cancer. <i>Cancers</i> . 2023, 15, 418.
Molecular Diagnostic & Research Lab - III	
36	Apexa Raval, Jigna Joshi, Franky Shah: Significance of metastamiR-10b in breast cancer therapeutics. <i>J Egypt Natl Canc Inst</i> . 2022; 34: 1-6.
37	Bhoomi Tarapara, Franky Shah: An in-silico analysis to identify structural, functional, and regulatory role of SNPs in hMRE11. <i>Int J Biomol Struct Dyn</i> . 2022; 20: 1-15.
38	Bhargav Waghela, Ramesh Pandit, Apurvasinh Puvar, Franky Shah, Prabhudas Patel, Hemangini Vora, Harsh Sheth, Bhoomi Tarapara, Shashank Pandya, Chaitanya Joshi, Madhvi Joshi: Identification of novel exonic variants contributing to hereditary breast and ovarian cancer in West Indian population. <i>Gene</i> . 2023; 5; 852: 147070.
39	Shruti Patel, Kinjal Patel, Jayendra Patel, Prabhudas Patel, Franky Shah: Association of vitamin D receptor gene polymorphisms with breast cancer risk <i>J Can Res Ther</i> 2022. (Accepted manuscript)
40	Jigna Joshi, Hitarth Patel, Hunayna Bhavnagari, Bhoomi Tarapara, Apexa Pandit, Franky Shah: Eliminating cancer stem-like cells in oral cancer by targeting elementary signaling pathways. <i>Critical Reviews</i> . 2022; 27.
Medical and Paediatric Oncology	
41	Kajal Shah, Harsha Panchal, Apurva Patel, Chinmay Doctor: Portal vein thrombosis and Budd-chairi syndrome due to in-apparent Polycythaemia Vera. <i>New Horizons in Medicine and Medical Research</i> . 2022; 4: 134-142.
42	Kajal Shah, Chinmay Doctor, Harsha Panchal, Apurva Patel: Myeloid sarcoma experience from tertiary care centre of Western India. <i>New Horizons in Medicine and Medical Research</i> . 2022; 4: 122-133.
43	Kajal Shah, Harsha Panchal, Apurva Patel, Chinmay Doctor, Sonia Parikh: Controversies and challenges in clinic pathological profile of primary cutaneous lymphomas-An Indian perspective. <i>New Horizons in Medicine and Medical Research</i> . 2022; 10: 1-11.
44	Kajal Shah, Harsha Panchal, Apurva Patel, Chinmay Doctor, Sonia Parikh: Neurological disorders caused by spine myeloid sarcoma. <i>Current Overview on Disease and Health Research</i> . 2022; 1: 6-15.
45	Kajal Shah, Harsha Panchal, Apurva Patel, Sonia Parikh, Chinmay Doctor: Oral Myeloid Sarcoma. <i>Current Practice in Medical Science</i> . 2022; 9: 35-45
46	Akansha Garg, Kinnari Patel, Kalpesh Shah, Deepa Trivedi, Aiswariya Raj, Rajan Yadav, Shandip Shah: Safety and efficacy of thalidomide and hydroxyurea combination in beta thalassemia patients. <i>Ind J Hematol Blood Transfus</i> . 2023; 39(1): 85-89.



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47	Satish Sharma, Apurva Patel, Aruj Dhyani, Nikesh Aggarwal, Yuganshi Gupta, Goutham Reddy, Debajyoti Maji, Harshvardhan A, Phillip Kuttikat, Ananya Pareek, Sonia Parikh, Harsha Panchal: Successful rechallenge of bevacizumab after grade 4 bevacizumab induced hypertension in a case of carcinoma ovary, is rechallenging an option? - A Rare case report. GSC Biological and Pharmaceutical Sciences. 2022; 18(03): 30-34.
48	Sheshagiri Ganta, Akansha Garg, Kamlesh Shah, Hardik Solanki, Ambika Vachhani, Rajan Yadav, Harsha Panchal, Apurva Patel, Soniya Parikh, Shandip Shah: Post Covid-19 reactive arthritis in two stem cell transplant recipients. Ind J Hematol Blood Transfus. 2023; 39(1): 154-155.
49	Rajan Yadav, Sonia Parikh, Harsha Panchal, Apurva Patel, Kajal Shah: Efficacy and toxicity analysis of Imatinib in newly diagnosed patients of chronic myeloid leukaemia: 18 years' experience at a single large-volume centre. Annals of Oncology. 2022; 33(1): S16.
50	Kushboo Jain, Harsha Panchal, Apurva Patel, Sonia Parikh, Kajal Shah, Ankita Patel, Sandeep, AbhijeetKokate: Simultaneous occurrence of chronic myeloid leukemia and chronic lymphocytic leukemia: A rare presentation. Asian Hem Res J 2023; 7(2): 45-50.
51	Kushboo Jain, Harsha Panchal, Apurva Patel, Sonia Parikh, Kajal Shah, Ankita Patel, Sandeep, AbhijeetKokate: Hodgkin lymphoma in an elderly rheumatoid patient on long term Methotrexate therapy: A case report. AsianHem. Res. J. 2023; 6(2): 77-84.
52	Rajan Yadav, Sonia Parikh, Harsha Panchal, Apurva Patel: Isolated extramedullary relapse in the gastrointestinal mucosa of a patient with T cell lymphoblastic lymphoma. GCSMC J Med Sci. 2022; 11(2): 49-52.
Oncopathology	
54	Jahnvi Gandhi, Karthik Dhandapani, Brinda Chandithamar, Amisha Gami, Ashini Shah, Priti Trivedi, Ketul Puj: Frozen section evaluation and clinicopathological correlation of sentinel lymph nodes in breast carcinoma: a study at a regional cancer centre in Western India. Ind J Pathol Oncol. 2022; 9(2): 138-144.
55	Karthik Dhandapani, Jahnvi Gandhi, Sonali Timaniya, Krutika Joshi, Amisha Gami, Ashini Shah, Priti Trivedi: Histomorphological spectrum and diagnostic challenges in thymic epithelial neoplasms with their prognostic significance: a case series of 33 cases at a regional cancer centre in Western India. South Asian J Cancer. 2022.
56	Karthik Dhandapani, Jahnvi Gandhi, Amisha Gami: Ossifying fibromyxoid tumor: A rare case report with review of literature and its differential diagnosis. Ind J Pathol Microbiol. 2022.
57	Karthik Dhandapani, BR Nagarjun, Rujuta Shah, Shailee Mehta, Priti Trivedi, Priyank Rathod: Retinoblastoma with isolated parotid gland metastasis: a report of 2 cases with review of literature. Indian J Otolaryngol Head Neck Surg. 2023; 75: 1315-1320.
58	Sangita Vanik, Dhaval Jetly, Biren Parikh, Karthik Dhandapani, Rukmini Bezbaruah: Pediatric and adolescent chronic myeloid leukemia: A follow up study in Western India. Ind J Pathology and Microbiology. 2023; 66(3):560-563.
59	Shilpa Kapoor, Kanwalpreet Kaur, Satarupa Samanta, Paheli Maru, Priti Trivedi: Sarcomas in fluid cytology: experience from a tertiary care centre in India. Ind J Pathol Oncol. 2023; 10(1): 44-51.
60	BR Nagarjun, Ashini Shah, Amisha Gami, Jahnvi Gandhi, Ankita Parikh, Viraj Modi: Comparison of pathological response of standard chemotherapy versus short course radiotherapy in rectal carcinoma: a pilot study. Ind J Pathology and Microbiology. 2022 (Accepted).
61	BR Nagarjun, Biren Parikh, Manasvi Patel, Pina Trivedi, Dharmesh Patel: Indian data on HER2 fluorescence in situ hybridization in invasive breast cancers with immunohistochemically equivocal results as per 2018 ASCO/CAP guidelines. South Asian J. Cancer. 2022; 11(4): 281-286.
62	Rahul Ranka, Beena Brahmhatt: Correlation study of morphology, immunophenotyping and cytogenetics in acute myeloid leukemia, an experience of tertiary care center. Journal of Clinical and Diagnostic Research. 2023; 17(1): 21-24.
63	Anurag Saha, Sneha Kakoty, Kazoomi Patel, Varnika Rai, Jyoti Sawhney, Nainesh Meant: An assessment of the three popular prognostic scoring system for chronic myelomonocytic leukemia in an Indian context. Indian J. Med. Paediatr. Oncol. 2023; 4-17.



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64	Sanjiban Patra, Priti Trivedi: Primary Ewings Sarcoma of the kidney: A series of four cases. <i>Malays J Pathol.</i> 2022; 44 (1): 93-99.
65	Sanjiban Patra, Priti Trivedi, Kanwalpreet Kaur, Sunitha Sankaralingappa, Mohit Sharma: Soft tissue aneurysmal bone cyst of left hemithorax: An extremely rare case. <i>Ind J Pathol Microbiol.</i> 2022; 65 (2): 452-454.
66	Sanjiban Patra, Priti Trivedi: A unique coexistence of a plurihormonal pituitary adenoma with granulomatous hypophysitis. <i>Ind J Pathol Microbiol.</i> 2023 (Accepted).
67	Sunitha Sankaralingappa, Amisha Gami, Jahanvi Gandhi, Sanjiban Patra, Karthik D: Proximal type epitheloid sarcoma with chondroid and osseous differentiation: a diagnostic challenge. <i>GCS Research J.</i> 2022; 24: 19-24.
68	Sunitha Sankaralingappa, Sanjiban Patra, Amisha Gami, Priti Trivedi, Akshay Kumar Chalalyia: Extra adrenal peripheral neuroblastic tumours: a clinicopathological study of 18 cases. <i>Ind J Pathol Microbiol.</i> 2023; 66(2): 278-285.
69	Shilpa Kapoor, Trupti Patel, Kanwalpreet Kaur, Priti Trivedi: WNT Beta catenin activated Ewing sarcoma with metastasis to pancreas: a rare case report. <i>Annals of Oncology Research And Therapy.</i> 2022; 2(2): 101-103.
70	Sneha Kakoty, Anurag Saha, Torsha Jana, Jyoti Sawhney: A case of plasma cell myeloma with multilobated and monocytoid morphology. <i>Asian J. Oncol.</i> 2022; 8(3): 172-174.
71	Shilpa Kapoor, Shailee Mehta, Satrupa Samantha, Priti Trivedi: Misdiagnosis of peritoneal mesothelioma as ovarian carcinoma in a young female: "Who is gatecrashing your masquerade party?" <i>Indian J. Gynecol. Oncol.</i> 2022; 1-5.
72	Anurag Saha, Varnika Rai, Sneha Kakoty, Jyoti Swahney, Tribhuvan Pratap Singh Kourav: A case series of clinical and hematological profile of juvenile myelomonocytic leukemia. <i>Pediatr Hematol Oncol. J.</i> 2022; 7: 142-145.
73	Varnika Rai, Beena Brambhatt, Anurag Saha, Immanuel Thayakaran: Clinico-hematological and immunophenotypic profile of Acute Leukemia of Ambiguous lineage: A four year experience from a single tertiary care center of west india. <i>Indian J Pathol Microbiol.</i> 2022; 1-7.
74	Varnika Rai, Anurag Saha, Shweta Gondha, Poornima Manimaran, Jyoti Swahney: Splenic B cell lymphoma/leukemia with prominent nucleoli. A three case series of newly named old entity and review of literature. <i>J Clin Pharm Ther.</i> 2022; 1-7.
75	Sangita Vanik, Priti Trivedi. Primary pleomorphic liposarcoma of bone: a rare tumour in unusual location with review of literature. <i>GCS Research J.</i> 2022; 24.
76	Karthik Dhandapani, Jahnvi Gandhi, Amisha Gami: Ewing Sarcoma with ganglion cells post-chemotherapy: a case report with review of literature. <i>South Asian Journal of Cancer.</i> 2023. In-Press.
77	Poornima Manimaran, Rujuta Shah, Priti Trivedi, Shailee Mehta: Primary cutaneous neuroendocrine tumour with axillary lymph node metastasis: A clinical masquerade. <i>J. Postgrad. Med.</i> 2022; 1-2.
78	Anurag Saha, Beena Brahmbhatt, Varnika Rai, Sneha Kakoty, Jyoti Sawhney: A comparative analysis of early T Cell precursor lymphoblastic leukemia/lymphoma (ETP ALL/LBL) and Non ETP ALL/LBL in a tertiary cancer care center based in western india. <i>Indian. J Hematol Blood Transfus.</i> 2023 (Accepted).
Palliative Medicine	
53	Kikato Chishi, Bhavana Patel, Ravi Umrania, Priti Sanghavi, Varun Yadav, Lekha Raval: Prevalence of delirium in advance cancer patients admitted in hospice centre and outcome after palliative intervention. <i>Indian J Palliat Care.</i> 2023; 29: 82-88.
Nuclear Medicine	
79	Swati Rachh, Nilam Patel: Metastatic bilateral adrenal sarcomatoid carcinoma: Evaluation by 18F-FDG PET/CT. <i>Asia Ocean J Nucl Med Biol.</i> 2022; 10(2): 151-154.



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Radiodiagnosis	
80	Hitesh Rajpur, Khushbu Parikh, Reecha Prasad: Rare case report on Leiomyosarcoma of IVC. Indian J of Res. 2023; 12(1): 198-199.
81	Saumil Desai, Virajkumar Shah, Bhaumik Patel: Ollierdisease multiple Enchondromatosis - A case report. Indian J of Res. 2023; 12(1): 207-208.
82	Himanshu Soni, Bhaumik Patel, Akhilesh Patel, Viraj Shah: Rare case presentation "Von HippelLindau Syndrome. Indian J Res. 2023; 12(1): 101-102.
Radiation Oncology	
83	Bhuvana J, Jayesh Singh, Ankita Parikh, Shuryanarayan Kunikullaya: Ewing's sarcoma family of tumors of retromolar trigone. J Radiat Res. 2022; 14(2).
84	Siddharth Malukar, Sonal Patel, U Suryanaryan: Carcinoma cervix with delayed occurrence of solitary lung metastasis resenting as pancoast tumor, A Case Report: Indian J Gynecol Oncology. 2022; 20: 48.
85	Vidhi Vaghasiya, Maitrik Mehta, Ankita Parikh, Sonal Patel, U Suryanarayan: Recurrence developing 21 years after treatment of breast cancer, A case report. GCSMC J Med Sci. 2022; 13(2): 53-54.
86	Shutanuka Chakrabarti, Ashmita Kulshrestha, Sonal Patel, Suryanarayana Kunikullaya, Ankita Sharma: A rare case of Buschke Lowenstein tumour of vulva treated with radical radiotherapy: A case report. J Radiother Pract. 2023; 22(64): 1-3.
87	Heena Patel, Maitrik Mehta, Ankita Parikh: A rare case of Trichilemmal carcinoma with brain and lung metastasis. Glob. J. Res. Anal. 2022; 11(12): 80-81.
88	Piyushkumar Hadiya, SatyajeetRath, Vinay Sivhare: A rare case report of intraosseous Mucoepidermoid carcinoma of maxilla treated at our centre. Glob. J Res. Anal. 2023; 12(1): 117-119.
89	Krishna Prajapati, SatyajeetRath, Ankita Parikh: Recurrent synovial sarcoma of floor of mouth: A rare case report. J Med Sci and Clin Res. 2023; 11(1): 92-96.
90	Maitrik Mehta, Monik Patel, Ankita Parikh, U. Suryanarayan, Jayesh Singh, Arun Thimmarayappa, Aakash Pandya. Chordoma: Retrospective analysis of patients treated with radiotherapy at a single institution. J Radiation & Can Res. 2023; 14(2): 81-85.
Surgical Oncology	
91	Abhijit Salunke, K Nandy, Ketul Puj, M Kamani, Shivam Pathak, J Shah, RH Bhalerao, A Jain, Mohit Sharma, Vikas Warikoo, Keval Patel, Priyank Rathod, S Bhatt, T Tank, Shashank Pandya: A proposed "Radiological Evaluation Score for bone tumors" (REST): An objective system for assessment of a radiograph in patients with suspected bone tumor. Musculoskelet Surg. 2022; 106(4): 371-382.
92	Shivang Shukla, Shivam Pandya, Satyadeep Bikkina: Combined pectoralis major and deltopectoral flap for reconstruction in head and neck cancer: Revisiting the historic flap. Oper Tech Otolaryngol Head Neck Surg. 2023-In Press.
93	Shivang Shukla, Priyank Rathod, Shashank Pandya: Secretory carcinoma of salivary glands: a case series and review of literature. Indian J Otolaryngol Head Neck Surg. 2023-In Press.
94	Keval Patel, Abhijeet Salunke, Mohit Sharma, Ketul Puj, Priyank Rathod, Vikash Warikoo, Ganesh Bakshi, Shashank Pandya: Development and internal validation of a Nomogram predicting overall survival based on Log ODDS of positive lymph-nodes for post radical cystectomy patients in muscle invasive carcinoma of bladder. Clin Genitourin Cancer. 2023; 21(3): 153-165.
95	Keval Patel, Abhijeet Salunke, Ganesh Bakshi, Dipin Jayaprakash, Shashank Pandya: Robotic-Assisted Video-Endoscopic Inguinal Lymphadenectomy (RAVEIL) and Video-Endoscopic Inguinal Lymphadenectomy (VEIL) versus Open Inguinal Lymph-Node Dissection (OILND) in carcinoma of penis: Comparison of perioperative outcomes, complications and oncological outcomes. A systematic review and meta-analysis. Urol Oncol. 2022; 40(3): 112-122.



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Q3. ONGOING INTRAMURAL AND EXTRAMURAL RESEARCH PROJECTS APRIL 2022-MARCH 2023

No.	Name of PI	Project Title	Funded by
Community Oncology & Medical Records			
1	Dr Shashank Pandya	Rural Cancer Registry, Ahmedabad District	National Centre for Disease Informatics and Research, ICMR, Bengaluru
2	Dr Shashank Pandya	Population Based Cancer Registry (PBCR) - Ahmedabad Urban Agglomeration Area	National Centre for Disease Informatics and Research, ICMR, Bengaluru
3	Dr Shashank Pandya	Hospital Based Cancer Registry (HBCRs) and Patterns of Care and Survival Studies on Cancer of Breast, Cervix and Head and Neck Cancers	National Centre for Disease Informatics and Research, ICMR, Bengaluru
4	Dr Anand Shah	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	International Agency for Research on Cancer, Lyon, France
Collaborative Projects-Cancer Biology and Oncopathology Departments			
5	Dr Priti Trivedi Dr Kruti Rajvik	Histological and molecular subtyping of medulloblastoma using immunohistochemical markers and its prognostic significance	GCS/GCRI
6	Dr Jahnvi Gandhi Dr Kruti Rajvik	Detection of ALK1, ROS-1, PDL1 using immunohistochemistry in non-small cell carcinoma of lung	GCS/GCRI
7	Dr Pina Trivedi Dr Beena Brahmbhatt	Assessment of MYC and BCL2 and/or BCL6 rearrangements in high-grade B-cell lymphoma	GCS/GCRI
8	Dr Dharmesh Patel Dr Amisha Gami	Cytogenetic exploration of Ewing sarcoma with emphasis on rearrangement of EWSR1 gene	GCS/GCRI
Cytogenetics Laboratory			
9	Dr Pina Trivedi	Identification of oligodendroglia specific chromosomal changes 1p36/19q13.3 co-deletion by FISH analysis	GCS/GCRI
Gynaecological Oncology			
10	Dr Bijal Patel	Prognostic evaluation of Human Epididymis Protein 4 (HE4) in carcinoma cervix	GCS/GCRI



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No.	Name of PI	Project Title	Funded by
Immunohematology Lab			
11	Dr Hemangini Vora	Development of miRNA profiling based signature of potential clinical relevance in triple negative breast cancer	GSBTM
12	Dr Kruti Rajvik	To study microsatellite instability (MSI) in endometrial carcinoma patients by next generation sequencing	GCS/GCRI
13	Dr Birva Raiya	Detection of minimal residual disease in acute myeloid leukemia	GCS/GCRI
14	Dr Nupur Patel Dr Hemangini Vora	Role of Notch Receptors in triple negative breast cancer-Completed	GCS/GCRI
15	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 and Paediatric Oncology			
16	Dr Shashank Pandya	A Phase III Randomized Controlled study of Inj. Proluton (Hydroxyprogesteronecaproate) as single dose preoperative therapy in patients with high risk operable breast cancer	Tata Memorial Centre
17	Dr Shashank Pandya	Randomized controlled trial to assess blockade of voltage gated sodium channels during surgery in operable breast cancer	Tata Memorial Centre
18	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	Labcorp Drug Development India Pvt. Ltd.
19	Dr Harsha Panchal	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)
20	Dr Harsha Panchal	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 prostatecancer	Intas (Lambda)
21	Dr Harsha Panchal	A Prospective, multicenter, non-Interventional, observational, real-world study to evaluate the safety, adherence to therapy, and effectiveness of a T-DM1 antibody-Drug conjugate Biosimilar in Indian patients with HER2-positive early breast cancer	Bioquest Solutions Pvt. Ltd.
22	Dr Harsha Panchal	Reditux™ Registry to compare effectiveness, safety, and resource utilization of Reditux™ vs. the reference medicinal product to treat diffuse large B-cell lymphoma and chronic lymphocytic leukaemia in routine clinical practice	Dr Reddy's Laboratory



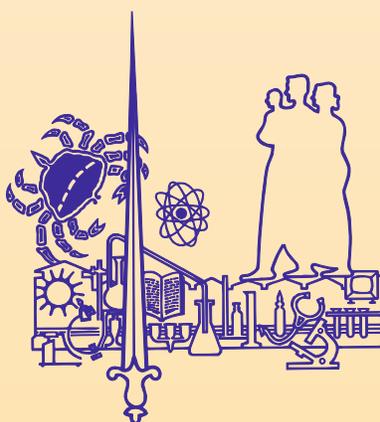
GCRI Annual Report 2022-23

No.	Name of PI	Project Title	Funded by
23	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	PPD, Inc.
24	Dr Sonia Parikh	A prospective, multicenter, open-label, phase IV, interventional study to assess the safety and efficacy of Capmatinib in Indian patients with mesenchymal epithelial transition (met) exon 14 skipping mutation positive advanced non-small cell lung cancer	SIROClinpharm
25	Dr Sonia Parikh	A multicenter, open-label, randomized, phase III clinical trial to evaluate efficacy and safety of PF-114 versus Imatinib at 600 or 800 mg daily in adult patients with Philadelphia chromosome positive (Ph+) Chronic Myeloid Leukemia (CML) in the chronic phase (CP) resistant to Imatinib at daily doses of 400 or 600 mg	Edenwell Therapeutics Private Limited
26	Dr Kajal Shah	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 tumor burden follicular lymphoma	Dr Reddy's Laboratory
27	Dr Kajal Shah	A Phase IV, prospective, multicenter, open-label, non-comparative, interventional study to assess the safety of alpelisib plus fulvestrant, in men and post-menopausal women with HR positive, HER2-negative, advanced breast cancer with a PIK3CA mutation, whose disease has progressed on or after endocrine based treatment	SIRO Clinpharm
28	Dr. Nitin Joshi	A Randomized, Active-Controlled, Multicenter, Open label, Two Arm Study to Assess Safety, Efficacy, Pharmacodynamics, and Pharmacokinetics with Pegfilgrastim PFS of Intas Pharmaceutical Limited Compared with Neupogen® Injection in Paediatric Patients Under 6 years of Age with Rhabdomyosarcoma or Wilms' Tumour on Myelosuppressive Chemotherapy (CmT) Regimen.	Intas (Lambda)
Molecular Diagnostic & Research Laboratory- I			
29	Dr Trupti Trivedi	Exploring clinical significance of Autophagy regulating genes in patients with glioma tumors	GCS/GCRI
30	Dr Trupti Trivedi	Exploring significance of STAT3 signalling pathway in IDH wild type glioma patients	GCS/GCRI
31	Dr Trupti Trivedi	Elucidating clinical impact of Notch signalling pathway for medulloblastoma patients	GCS/GCRI



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No.	Name of PI	Project Title	Funded by
Molecular Diagnostic & Research Laboratory- II			
32	Dr Jayendrakumar Patel	Evaluation of association of p16 expression with presence of HPV DNA in oropharyngeal cancer patients	GCS/GCRI
33	Dr Toral Mandalia	Impact of Normalized Copy Number (NCN) and Normalized Copy Number on the International scale (IS-NCN) of major BCR-ABL transcripts on prognosis in CML patients	GCS/GCRI
34	Dr Toral Mandalia	Significance of molecules associated with cancer stemness in epithelial ovarian cancer	GCRI
35	Dr Kinjal Gajjar	A Comparative Study of PCR/RFLP and Real Time PCR Techniques for Detection of FLT3 Mutation in Acute Myeloid Leukemia Patients	GCS/GCRI
36	Dr Jayendrakumar Patel	Clinical Significance of JAK2V617F mutation and its validation droplet digital PCR method for myeloproliferative diseases - Completed	GCS/GCRI
37	Dr Nandita Ghosh Dr Pariseema Dave	To explore the clinical value of molecular markers in epithelial ovarian cancer- A preliminary stud - Completed	GCS/GCRI
38	Dr Nandita Ghosh	Clinical significance of expression of inflammatory response genes and DNA repair genes in colorectal carcinoma - Completed	GCS/GCRI
39	Dr Toral Mandalia	Exploring the role of miR-200 family in Ovarian Cancer patients - Completed	GCS/GCRI
Molecular Diagnostic & Research Laboratory- III			
40	Dr Franky Shah	Sequencing based exome profiling for identification of metastasis associated genes in hereditary breast and ovarian cancer	ICMR
41	Dr Jigna Joshi	Salivary microRNAs and associated genomic profile for early prediction of oral cancer	DHR-ICMR
42	Ms Hunayna Bhavnagari	Identification of YAP-TAZ axis associated miRNAs in breast cancer	ICMR

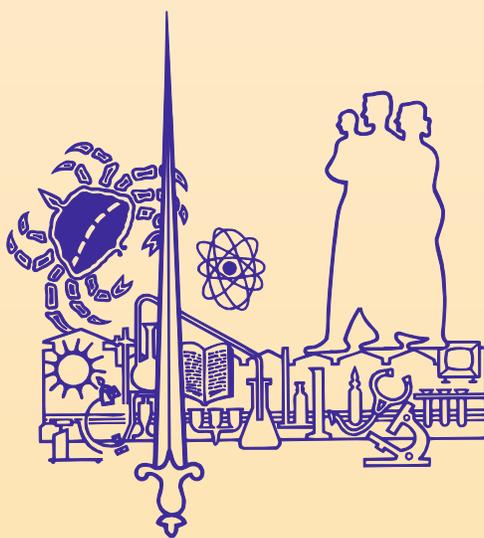




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R. LIST OF EQUIPMENTS 2022 - 2023

Sr. No.	Name of the Equipment	Department	Qty	Company	Total Cost
1	Laboratory Refrigerator	Blood Bank	1	Mark Enterprises	1,79,000
2	Non - Refrigerated Centrifuge	Cancer Biology	2	Koshal Enterprises	1,04,898
3	Fluorescence Visualization Scope (Velscope VX)	Community Oncology	1	Alec Meditech Pvt. Ltd.	5,00,000
4	Hyperthermic Intra Peritoneal Chemotherapy (HIPEC) Machine	Surgical Oncology	1	Curotherm Technosolutions LLP	40,32,000
5	Micro High Speed Electric Drill And Micro Saw Systems With Accessories for Head & Neck	Main OT	1	Surgi World Healthcare Systems	3481433
6	High Definition Laparoscopic Surgery System (3D Laparoscopic System)	Surgical Oncology	2	B. Braun Medical (India) Pvt. Ltd.	3,08,23,420
7	Anaesthesia Workstation	Anaesthesia	6	Unique Enterprise	2,62,61,410
8	Operating Microscope for Plastic Surgery	Main OT	1	Labtek Instruments	1,30,98,000
9	Modular Cold Room	Central Lab.	1	S. K. Scientific and Surgical (GEM ID 63F0180000469199)	6,49,350





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THE GUJARAT CANCER & RESEARCH INSTITUTE

(M. P. SHAH CANCER HOSPITAL)

Affiliated to B J Medical College

FINANCIAL STATEMENT

(BALANCE SHEET)

2022 - 2023

Medicity, Asarwa, Ahmedabad 380 016, Gujarat, INDIA

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



GCRI Annual Report 2022-23

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, 2023, 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, 2023; 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, 2023.

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.

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7th Floor, Heritage Chambers, Behind Bikanerwala Sweets, Near Azad Society, Nehru Nagar, Ah



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MUKESH M. SHAH & CO.

CHARTERED ACCOUNTANTS

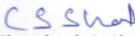
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control.
- Evaluate the appropriateness of accounting policies 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


Chandresh S. Shah
Partner
Membership No.: 042132
Place: Ahmedabad
Date: September 20, 2023.
UDIN: 23042132BGVJQ3318





GCRI Annual Report 2022-23

THE GUJARAT PUBLIC TRUSTS ACT, 1950 SCHEDULE VIII [VIDE RULE 17(1)] NAME OF PUBLIC TRUST: THE GUJARAT CANCER AND RESEARCH INSTITUTE Trust No: F/461/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, 2023							
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,	
		2023	2022			2023	2022
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		1,99,43,00,000	1,73,76,00,000
Depreciation Fund	5	47,40,01,378	46,76,73,782	Medical Equipments, Furniture, Fixtures & Others	5	2,18,72,36,955	2,06,34,91,577
Sinking Fund		-	-	Loans (Secured or unsecured)			
Reserve Fund		-	-	Good/Doubtful			
Any Other Funds	2	4,39,63,59,204	4,06,57,76,220	Loans Scholarships			
Loans (Secured or Unsecured):		4,87,03,60,582	4,53,34,50,002	Other Loans			
From Trustees		-	-	Sundry Debtors	6	36,12,77,056	14,16,06,722
From Others		-	-	Inventories	7	2,56,67,033	2,60,78,217
Liabilities:				Advances:			
For Expenses	3	20,74,07,619	15,22,78,674	To Trustees			
For Advances		4,20,97,031	3,64,32,301	To Employees		79,03,722	1,21,323
For Rent and Other Deposits		4,02,98,650	7,73,12,405	To Contractors		36,90,103	29,01,534
For Sundry Creditors and other payables	4	11,44,68,531	31,68,81,939	To Lawyers			
Income and Expenditure Account:				To Others	8	29,24,82,740	28,09,28,652
Balance as per Last Balance Sheet		(56,38,75,444)	(60,53,10,048)	Income Outstanding:		30,40,76,565	28,39,51,509
Add: Surplus as per Income and Expenditure Account		6,00,53,358	4,14,34,584	Rent			
		40,42,71,831	58,29,05,319	Interest		3,55,42,626	4,98,89,514
				Other Income			
						3,55,42,626	4,98,89,514
				Cash and Bank Balances			
				(a) In Current & Saving Accounts and Fixed			
				Deposit Accounts	9	1,11,29,91,983	1,47,24,49,067
				(b) In F.C.R.A Account No 40137198509 and	9	12,36,677	13,91,943
				Fixed Deposit Account			
				(c) With the Trustee			
				(d) With the Cashier	9	6,15,420	1,55,316
Significant Accounting Policies	12A						
Notes to the Financial Statements	12B						
TOTAL		6,02,74,73,928	5,80,91,43,478	TOTAL		6,02,74,73,928	5,80,91,43,478

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.

FOR AND ON BEHALF OF TRUSTEES		As per our report of even date attached
 Pankaj R. Patel Chairman & Trustee Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000	 Prashant J Kinarivala Trustee Civil Hospital Campus, Asarwa, Ahmedabad-380016 Phone No: 22688000	 Dr Shashank J Pandya Director
Place: Ahmedabad Date: 20-03-2023		 For, Mukesh M Shah & Co., Chartered Accountants Firm Reg. No.106625W  (Chandresh S Shah) Partner Membership No. 042132 7th Floor, Heritage Chambers, B/h, Bikanerwala, Off S.M Road, Nr Asad Society, Nehru Nagar, Ahmedabad-380015 Phone No: 24472000 Place: Ahmedabad Date: 20-03-2023

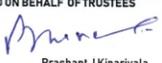


GCRI Annual Report 2022-23

THE GUJARAT PUBLIC TRUSTS ACT, 1950 SCHEDULE VIII [VIDE RULE 17(II)] 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 Income and Expenditure Account for the year ended 31st March, 2023 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	
		2023	2022			2023	2022
To Expenditure in respect of properties:				By Income			
Rates, Taxes, Cesses		2,38,32,142	19,81,551	Hospital Income		43,35,84,189	34,63,43,890
Repairs and Maintenance		8,72,794	36,87,082	By Rent (accrued/realized)		-	-
Salaries		-	-	By Interest (accrued/realized)		-	-
Insurance		-	-	On Securities		-	-
Depreciation	5	4,17,565	7,36,865	On Loans		-	-
Other Expenses		-	-	On Bank Accounts		3,52,91,183	4,18,36,022
		2,53,22,501	64,05,498	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 F.C.R.A No. 041910456 Date: 20.1.2014		-	-
To Legal and Professional Expenses		26,40,260	33,42,610	By Grants from Government of Gujarat	10	1,41,78,87,000	1,06,95,85,000
To Audit Fees		4,72,000	4,30,700	By Income from Other Sources		1,38,92,051	89,11,401
To Contribution and fees		-	-	By Transfer from Reserve		-	-
To Amounts Written off:							
(a) Bad Debts		-	-				
(b) Loan Scholarship		-	-				
(c) Irrecoverable Rents		-	-				
(d) Other Items		-	-				
To Miscellaneous Expenses							
To Depreciation	5	57,10,031	70,04,322				
To Amounts transferred to Reserve of Specific Funds							
To Expenditure on objects of the Trust:							
(a) Religious		-	-				
(b) Educational		-	-				
(c) Medical Relief	11	1,80,64,56,273	1,40,80,58,599				
(d) Relief of Poverty		-	-				
(e) Other charitable objects		-	-				
To Surplus Carried over to Balance Sheet		6,00,53,358	4,14,34,584				
Significant Accounting Policies	12A						
Notes to the Financial Statements	12B						
TOTAL		1,90,06,54,423	1,46,66,76,313	TOTAL		1,90,06,54,423	1,46,66,76,313

FOR AND ON BEHALF OF TRUSTEES


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


Prashant J. Kinarivala
 Trustee

As per our report of even date attached


Dr. Shashank J. Pandya
 Director


Chandresh S. Shah
 Partner
 Membership No. 042132
 7th Floor, Heritage Chambers,
 Bikanerwala, Off S.M. Road, Nr. Azad Society, Nehru
 Nagar, Ahmedabad-380015 Phone No: 26472000



Place: Ahmedabad
Date: 20.09.2023

Place: Ahmedabad
Date: 20.09.2023



GCRI Annual Report 2022-23

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 Raj Kumar, IAS, Chief Secretary, Govt. of Gujarat

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

Dr Hasmukh Adhia, IAS (Retd.), Chairman, GMDC, Ahmedabad

Shri K. M. Bhimjiyani, IAS, Secretary (Expenditure), Finance Department, Government of Gujarat

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

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

