

MALABAR CANCER CENTRE

(POST GRADUATE INSTITUTE OF ONCOLOGY SCIENCES AND RESEARCH)
Moozhikkara PO, Thalassery, Kannur Dist, Kerala-670103

Malabar Cancer Centre-Post Graduate Institute of Oncology Sciences & Research, Thalassery (MCC-PGIOSR) is an autonomous institution under Health and Family Welfare Department, Government of Kerala, started with an aim to establish a comprehensive cancer centre, providing the much-required oncology care to the population of Northern region of Kerala and neighboring parts of Karnataka and Tamil Nadu states. The main objective of the centre is not only to provide comprehensive cancer care but also to develop as a Research and Training Centre of international standards. A society named Malabar Cancer Centre Society was registered under Societies Registration Act XXI of 1860 with the above aims and clinical work in Malabar Cancer Centre started from March 2010 onwards. At present Malabar Cancer Centre has more than 200 in-patient bed strength. The control and management of the Society are vested in the Governing Body consisting of 23 members with the Honorable Chief Minister of Kerala as the Chairman. The routine activities and functions of the Centre are supervised by the Executive Committee, with the Secretary, Department of Health and Family Welfare, Government of Kerala being the Chairperson of the Committee. The members in the Governing Body and Executive Committee are functioning by virtue of their official positions. Malabar Cancer Centre is providing a full spectrum of oncological care as an autonomous not-for-profit institution funded by the State Government and other sources. In 2022, the Government upgraded the centre as Malabar Cancer Centre (Post Graduate Institute of Oncology Sciences & Research).

MCC-PGIOSR is providing a full spectrum of oncological care as an autonomous not-for-profit institution funded by the State Government and other sources. MCC-PGIOSR provides a variety of patient support systems to assist them in getting treatment in time and completing the treatment. Patients are categorized according to their economic status. As per the clinical data of MCC-PGIOSR, from FY 2016-17 to 2023-24, 82-96% of patients are treated free of cost at MCC-PGIOSR through various finance supporting schemes of Government and MCC-PGIOSR. It has been undertaken that no patients will be denied treatment for financial reasons.

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Mission

Non-compromising Professionalism in Quality of Treatment, Research and Education.

Vision

The development of an exponentially progressing high quality institution with equal thrust on clinical care, oncology related education and multifaceted research.

Unique Achievement

- First Government owned hospital in Northern Kerala to start Bone Marrow Transplantation.
- The only Government centre performing pediatric transplants
- First Cancer Centre in Northern Kerala to acquire High end multiple energy linear accelerator with FFF technology.
- First Cancer Centre in Northern Kerala to acquire Blood Irradiator.
- First cancer centre in Kerala to Start Cancer Genetics Clinic
- First Cancer centre in India to develop, test and implement E-Palliative care.
- First Cancer Centre in South India to be a PAIN FREE HOSPITAL
- First institution in Kerala to acquire and use Robotic biopsy and intervention radiology assistance system
- First Cancer centre in Northern Kerala to introduce High end Dual Energy Linear Accelerator with VMAT capability in Public sector.
- F-18 PSMA scan performed first time in Kerala
- The first under Government Sector to launch Bone Marrow Donor Registry in India.
- First Total Body Irradiation for Bone marrow transplantation in public sector in the state
- Plaque brachytherapy started for the first time in Kerala for eye cancers.
- The second government institution in India has commenced the CAR-T Cell Therapy procedure.

Land Marks

Year	Landmark
1998	Formation of Malabar Cancer Centre Society
2001	Clinical services started
2004	Started Blood bank services

2005	4 Slice CT Scanner and Telecobalt radiotherapy unit
2008	Administration of MCC was transferred to Health and Family welfare department from Power Department
2009	Bed strength increased from 40-100, Home care services were started
2009	Limb salvage surgery, second operation theatre, nurse's hostel, Pain free hospital.
2009	Dormitory for Patients- MPLAD of Smt. Sathi Devi MP
2010	Dual energy linear accelerator with VMAT, Hematology services, Hospital based cancer registry, Community oncology department, Doctor's quarters, BSc Medical Radiology
2011	Regular Pathology services, upgraded biochemistry lab.
2011	High end Dual energy linear accelerator with VMAT installed
2012	Started Department Library system
2012	Cryostat installed and Frozen section studies started
2013	Bone Marrow Transplantation Unit was established
2013	First Autologous Hemopoetic Stem Cell Transplantation was performed
2013	First Allogenic Hemopoetic Stem Cell Transplantation was performed
2014	Pediatric bone marrow transplantation, Population based cancer registry including Kannur, Kasargode and Mahe districts
2014	RFID System with CCTV Surveillance camera Implemented in Medical library
2014	Digital Xray machine
2014	1.5 Tesla MRI
2014	4D CT scanner
2014	ETO sterilizer
2015	First Pediatric Hemopoetic Stem Cell Transplantation was performed
2015	Second Linear accelerator with FFF technology- first of the kind in Government sector
2015	Blood Irradiator
2016	Biometric Punching system started
2016	Started various fellowship programs including 'Fellowship in Hemato-oncology and Bone marrow Transplantation 'training programme.
2017	First Matched Unrelated Donor (MUD) allogenic Hemopoetic Stem Cell

	Transplantation
2017	Cancer genetics laboratory with Next Generation Sequencer(NGS) was established
2017	BMT unit shifted to new block (4 bedded state of the art units)
2017	Separate pediatric oncology division started
2017	Parent orientation programme in Pediatric oncology introduced
2017	Mutation Analysis for various cancers
2018	Fluorescence in Situ Hybridization (FISH)
2018	State of art Proteomics laboratory is established
2018	Started immunotherapy in solid tumors, Population Based Cancer Registry is expanded to Kozhikode, Wayanad, Malappuram, Thrissur, and Palakkad
2018	Conventional radiotherapy simulator –Imagin (Panacea) was installed
2018	Hyperthermic Intraperitoneal Chemotherapy (HIPEC) was started
2019	First Pediatric Matched Unrelated Donor (MUD) allogenic Hemopoetic Stem Cell Transplantation
2019	Intervention radiology started
2019	New Cobalt Radio therapy machine installed to replace the old one
2020	NABH accreditation
2020	Started E-office software and E- Sanjivani online OPD
2020	Brachytherapy: New brachytherapy machine was installed 2020. Flexitron (Elekta-Nucletron)
2020	64 Slice fluoro-CT scan was installed
2020	Paediatric Haemato-ocology Block Inaugurated
2020	Portable Digital Xray unit
2021	Stated Nuclear medicine department-PET CT scan, SPECT CT
2022	2022 Started DOTA Therapy, PSMA Therapy 2022
2022	Upgraded to Postgraduate Institute of Oncology Sciences & Research
2022	Ocular oncology division was started, first retinal artery intraarterial chemotherapy was performed
2022	Endoscopic Ultrasonography unit/EBUS/EUS installed and started functioning

2023	Surgical Operating Microscope
2023	3D laparoscopy system installed
2023	Dexa Scan
2023	Retcam for ocular oncology
2023	Second Cryostat machine
2023	NABL Accreditation for all labs of MCC
2023	Started Total Body Irradiation for Bone marrow transplantation
2024	Plaque brachytherapy started for the first time in Kerala for eye cancers
2024	NABH Re-accreditation
2024	Robotic Surgical Systems
2024	NABH Digital Health Standards- Silver level accreditation
2024	CAR-T Cell Therapy procedure

Governing Body and Executive Committee

Governing Body (GB): The control and management of the Society are vested in the Governing Body consisting of 23 members with the Honorable Chief Minister of Kerala as the Chairman.

The members of the Governing Body are as follows;

1	Chairman	Chief Minister of Kerala
2	Vice-Chairman	Minister for Health & FW, Kerala
3	Alternate Vice-Chairman	Minister for Electricity, Kerala
4	Member	Secretary, Department of Finance, Kerala
5	Member	Secretary, Department of Power, Kerala
6	Member	District Medical Officer, Kannur
7	Member	Secretary, Department of Health & FW, Kerala
8	Member	An eminent Medical Scientist
9	Member	Secretary, Department of Science, Technology & Environment
10	Member	One nominee of the Ministry of Health, Government of India
11	Member	Principal, Medical College, Kozhikode
12	Member	Secretary- Planning & Economic Affairs Department, Kerala
13	Member	Director- Rajiv Gandhi Centre for Bio technology, Trivandrum
14	Member	Director of Medical Education, Directorate of Medical

		Education, Trivandrum
15	Member & Secretary to GB	Director, Malabar Cancer Centre, Thalassery
16	Member	M.L.A. of the Thalassery constituency
17	Member	President, District Panchayat, Kannur District
18	Member	Chairman, Thalassery Municipality, Thalassery
19	Member	A public man from North Malabar region (to be nominated by Government of Kerala)
20	Member	One Head of the department nominated from Malabar Cancer centre, Thalassery by the Government.
21	Member	One nominee of the Charitable Society established for rehabilitation and financial assistance for poor cancer patients
22	Member	Principal/Chief Executive Officer of Medical College, Pariyaram
23	Member	Director, Regional Cancer Centre, Trivandrum

Executive Committee (EC): The routine activities and functions of the Centre are supervised by the Executive Committee, with the Secretary, Department of Health and Family Welfare, Government of Kerala being the Chairman of the Committee. The members in the Governing Body and Executive Committee are functioning by virtue of their official positions. The Executive Committee shall be composed of;

1	Secretary, Department of Health & Family Welfare, Government of Kerala	Chairman
2	Secretary, Finance Department, Government of Kerala	Member
3	Secretary, Planning and Economic Affairs Department, Government of Kerala	Member
4	Secretary, Power Department, Government of Kerala	Member
5	MLA of the Constituency in which MCC is situated	Member
6	Director of Medical Education, Government of Kerala	Member
7	Chairman, Thalassery Municipality	Member
8	Director, Regional Cancer Centre, Trivandrum	Member
9	Director, Cochin Cancer Research Centre, Kochi	Member
10	The Director, Malabar Cancer Centre, Thalassery	Member/Convener

Departments and Divisions

200+ bedded comprehensive cancer hospital in rural location of northern Kerala. It has following departments and divisions.

DEPARTMENT OF RADIATION ONCOLOGY <ul style="list-style-type: none"> ✓ Radiation Oncology Division ✓ Radiation Physics Division
DEPARTMENT OF RADIOLOGY/RADIO DIAGNOSIS
DEPARTMENT OF CLINICAL HEMATOLOGY & MEDICAL ONCOLOGY <ul style="list-style-type: none"> ✓ Clinical Hematology Division ✓ Medical Oncology Division ✓ Pediatric Oncology Division
DEPARTMENT OF RESPIRATORY MEDICINE & CRITICAL CARE <ul style="list-style-type: none"> ✓ Pulmonology Division ✓ Critical Care Division
DEPARTMENT OF SURGICAL ONCOLOGY <ul style="list-style-type: none"> ✓ General Surgical Oncology Division ✓ Head and Neck Oncology Division ✓ Gynecology/ Gynecologic Oncology Division ✓ Ocular/Ophthalmic oncology division
DEPARTMENT OF CLINICAL NUTRITION & DIETETICS
DEPARTMENT OF CANCER REGISTRY AND EPIDEMIOLOGY <ul style="list-style-type: none"> ✓ Medical Records Division
DEPARTMENT OF CLINICAL LABORATORY SERVICES & TRANSLATIONAL RESEARCH <ul style="list-style-type: none"> ✓ Onco-pathology Division ✓ Molecular Oncology Division ✓ Biochemistry Division ✓ Microbiology Division ✓ Transfusion Medicine Division ✓ Cancer Genetics Division
DEPARTMENT OF PREVENTIVE & COMMUNITY ONCOLOGY <ul style="list-style-type: none"> ✓ Community Oncology Division
DEPARTMENT OF ONCO ANESTHESIOLOGY
DEPARTMENT OF CANCER PALLIATIVE MEDICINE

DEPARTMENT OF DENTISTRY & REHABILITATION

✓ Dentistry Division

✓ Rehabilitation Oncology Division

DEPARTMENT OF NUCLEAR MEDICINE

DEPARTMENT OF ENGINEERING & MAINTENANCE
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DEPARTMENT OF GENERAL ADMINISTRATION

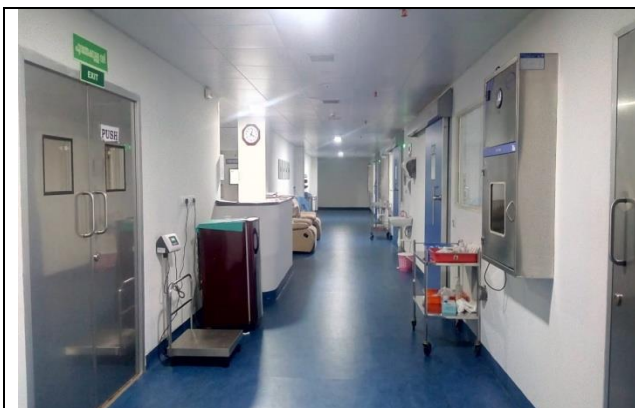
DEPARTMENT OF ONCOLOGY NURSING

INDEPENDENT DIVISIONS UNDER DIRECTOR

DIVISION OF HEALTH INFORMATION TECHNOLOGY
--

DIVISION OF PSYCHO-ONCOLOGY

DIVISION OF CLINICAL RESEARCH AND BIostatISTICS
--



BMT UNIT



LINAC MACHINE



OT



GENETICS LAB



MOLECULAR LAB



SPECT CT



DIGITAL MAMMOGRAM



ROBOTIC SURGICAL SYSTEMS



MRI



4D CT



CATH LAB UNIT



64 SLICE CT SCANNER



PET CT



CANCER BIO BANK



TELE COBALT UNIT

Patient Support System

- a) Free transportation from Thalassery to MCC-PGIOSR
- b) Free food scheme for all in-patients, through CH Centre
- c) Patient support groups- Breast cancer, Gynaec cancers, Laryngectomy, Ostomates, BMT
- d) Cancer winners' rehabilitation-SRISHTI
- e) Pediatric support group
- f) NGOs
- g) Kannur District Cancer Consortium

Awards and Recognitions (2016-2023)

1) Chief Minister's Awards for Innovation in Public Policy-2015

Category: Personnel Management (I-Prize)

2) Kerala State Energy Conservation Award, 2016 (I-Prize)

3) National Healthcare Excellence Awards, 2016

Category: Best Single Speciality Hospital (Oncology)

4) Kerala State Pollution Control Board Award 2017

5) Kerala State e-Governance Awards 2016 & 2017

a) e-Palliative Care Project won II Prize in e-Citizen Service Delivery Category

b) Aware & Awake Project won II Prize in Social Media & e-Governance Category

6) Kerala State Pollution Control Award – 2018.

7) Kerala State e-Governance Awards 2019-20,2020-21.

OPPAM Initiative won Third Prize in Social Media & e-Governance Category and Second Prize in Innovations in Covid Pandemic Management.

Community Projects

- a) District cancer control program (DCCP) –in 7 northern districts
- b) Cancer control projects- at Pariyaram panchayath, Athijeevanam project at Neeleswar, and Kannapuram panchayath
- c) Associate centers of MCC-PGIOSR for cancer screening and prevention

- d) Kannur District Cancer Control Consortium(KCCC) –cancer control activities with peoples participation
- e) Patient navigation program of KCCC
- f) AARALAM panchayath project and adoption of Tribal colony in Aaralam
- g) Hospital visit program to MCC-PGIOSR for students and LSG representatives
- h) ECHO- MCC cancer prevention training program for school teachers-1st batch completed in February.
- i) ASWAS-Cancer control project of Zilla panchayath, Kannur

MoU and Research Collaborations

- a) Indian institute of Management, Kozhikode
- b) National Institute of Electronics & Information Technology, Kozhikode
- c) SMO connect Clinical Research Service Pvt. Ltd
- d) Centre for Electronic Materials and Technology (C-MET), Thrissur
- e) Kannur University
- f) University of Calicut
- g) V.P.S.V Ayurveda College Hospital, Kottakkal
- h) Health Technology Innovation Centre, Chennai
- i) Centre for development of Imaging Technology (CDIT)
- j) Central University, Kasargod- Under process
- k) Osteo3d Bangalore
- l) Kerala Agricultural University
- m) Amity University, Noida, UP
- n) Kerala Start Up Mission
- o) National centre for disease informatics and research-NCRP/ICMR
- p) ICT Academy of Kerala
- q) TBI-Institute of Engineering and Technology, University of Calicut

Courses

- a) BSc Medical Radiological Technology
- b) BSc Nursing
- c) DM Onco pathology
- d) DrNB Surgical Oncology
- e) DrNB Clinical Haematology
- f) DNB Pathology
- g) DNB Radiation Oncology
- h) DMRD (post MBBS)
- i) FNB Pediatric Hemato Oncology
- j) Post Basic Diploma in Oncology Nursing
- k) Fellowship in Head & Neck Oncology

- l) Fellowship in Gynec Oncology
- m) Fellowship in Onco-pathology
- n) Fellowship in Head & Neck Pathology
- o) Fellowship in Haematology
- p) Fellowship in Apheresis medicine
- q) Fellowship in Oral Oncology
- r) Fellowship in GI Oncology
- s) Fellowship in Onco- imaging & Interventional Radiology
- t) Fellowship in High precision Radiotherapy
- u) Fellowship in Psycho Oncology
- v) Fellowship in Oncology Social Work
- w) Fellowship Programme in Oncology Nutrition
- x) Various Certificate Programs

Various Patient Welfare Schemes

As per data, at present, almost 82 to 96 % of patients are provided free treatment in MCC, through various Government Patient Welfare Schemes, as noted below:

- Karunya Arogya Suraksha Padhathi(KASP)
- Employees State Insurance Credit facility
- Karunya benevolent Fund
- Comprehensive Health Care Project for Scheduled Tribe patients.
- Prime Minister's National Relief Fund
- Chief Ministers Relief Fund
- Cancer Suraksha Scheme
- Thalolam
- Sneha Santhwanam
- PMRS (Pondicherry Medical Relief Society)

MCC-PGIOSR's own Patient Support Facilities

Patient Free Food Scheme:

- As most of our patients belong to lower socio-economic strata struggling to earn for their meal, with the financial assistance from philanthropists and like-minded organizations, all in-patients are given food (three times a day) at free of cost.

Patient Welfare Fund:

- The Patient Welfare Committee co-ordinates all the welfare activities of the patients who are undergoing treatment at this Centre. It promotes to raise the money for the patient welfare fund from the general public as well as staff members of Malabar Cancer Centre. This fund is utilized for the treatment/investigations for the needy patients after proper assessment. Those patients who fail to get any Government assistance scheme are assisted with this fund.

Hospital Library for Patients and Relatives:

- A unique Hospital library for patients, their relatives and staff is functioning in the centre since 2005. The library is funded by Kerala State Library Council.

Free Home care Services:

- Home care services are provided to patients staying nearby and who are unable to travel to MCC for availing treatment. Medicines like morphine, certain palliative procedures are performed by trained staff. MCC-PGIOSR's own vehicle is used for the purpose and no charge is levied for the services.

Drug Bank:

- Apart from the above a Drug Bank is also formulated for collection of drugs from Doctors in and around Thalassery and also sample medicines issued from various pharmaceutical companies. Such medicines are issued free of cost to the needy poor patients, who are undergoing treatment from this Centre.

Free Transport System:

- Renowned business tycoon and great philanthropist, Shri.Gokulum Gopalan donated a mini bus for transportation of patients to and fro from MCC-PGIOSR, which is situated on a hill top in the suburb of Thalassery town and Railway station of Thalassery. This is of immense help to poor patients.

Waiting area and resting area for Bystanders

- Constructed using the MLA ADS scheme of Advt. AN. Shamseer, MLA Thalassery.

Dormitory Support for bystanders (carers):

- Many patients come from far off places from various Districts. Their care givers need accommodation to support their loved ones. Most of them are unable to bear the expenses of stay in rented buildings or Hotels. Hence through MPLADS, Adv.Sathidevi was kind enough to provide a Dormitory, built within the campus. Here bystanders of in-patients are provided free accommodation.

‘AKSHAYA’- Financial support scheme for Bone marrow transplantation:

- Bone marrow transplantation (BMT) treatment is highly expensive and not many patients will be able to afford the same. It is a state of art curative treatment for my blood cancers. But it has significant failure and death rate apart from financial toxicity. The Government sponsored schemes will not be quite enough to cover up the expenses in this regard. To help out poor cancer patients, MCC-PGIOSR has decided to set up a separate fund for meeting the expenses of patients in this regard. Donations from individuals, voluntary organizations, philanthropists are expected for raising this fund. The fund is proposed as a "Ever Green"scheme. Monthly electronic transfer to the account of Akshya Scheme from the donor's account through standing instruction to the bank is suggested to achieve the goal. Any amount is considered big and there is no limitations to the monthly transfer. It is desired to get a minimum of 10 lakhs per month through this method so that no patient shall drop out of the ambit of Bone marrow transplantation.

MUKULAM FUND

- It is important to consider that while government schemes can provide treatment for children in need, their families may require additional support in areas such as accommodation, emotional well-being, travel, and nutrition. This fund will not only reduce out-of-pocket expenses for families, but also improve patient care by enhancing infrastructure, manpower efficiency, and research.



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