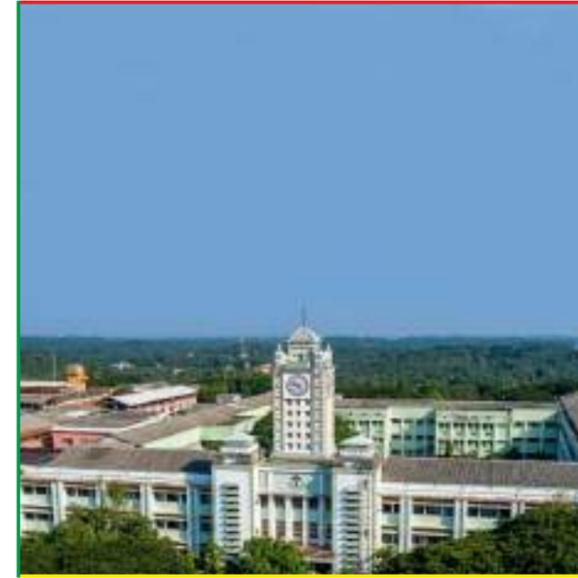




**Government Medical College Kozhikode**  
Medical College Junction, Mavoor Rd,  
Kozhikode, Kerala 673008  
Email : [principalmcc@gmail.com](mailto:principalmcc@gmail.com)  
Phone : +91-495-2350216,+91-495-2350217

GOVERNMENT MEDICAL COLLEGE Kozhikode

January 2026



**GOVERNMENT MEDICAL COLLEGE**  
**Kozhikode**

**Health and Family Welfare Department**  
**Government of Kerala**  
**KERALA.HEALTH**

**GOVERNMENT MEDICAL COLLEGE**  
**Kozhikode**  
**Comprehensive Institutional Documentation**

**Health and Family Welfare Department**  
**Government of Kerala**

**KERALA.HEALTH**





## Message



GOVERNMENT OF KERALA

**Pinarayi Vijayan**  
CHIEF MINISTER

No.109/Press/CMD/26

24 January, 2026.

### MESSAGE

Kerala's public health system has long been recognised for its commitment to quality, equity, and people-centred care and support. Medical College Hospitals play a key role, functioning not only as apex institutions for tertiary care but also as centres of excellence for medical education, research, and innovation.

The Government is developing Kerala as a 'Knowledge Economy' by laying a strong edifice of various institutions including Medical Colleges. The Medical College Hospital document showcases this commitment through its comprehensive clinical services, specialised departments, and advanced diagnostic and therapeutic facilities developments. It is playing a crucial role in training generations of doctors, nurses, and allied health professionals who serve both within Kerala and beyond all over the world.

This document is an important effort to present the services, achievements, academic activities, innovations, and future vision of the Medical College Hospital to people. It provides valuable insights for policymakers, administrators, and health professionals striving to strengthen Medical Colleges and make them Centres of Excellence.

I commend the dedicated efforts of the entire team who have contributed to the growth of this institution and in preparing this document.

I wish all the success to future endeavours.

**Pinarayi Vijayan**

**The Addl. Chief Secretary**  
Health Dept.  
Email: [acskeralahealth1@gmail.com](mailto:acskeralahealth1@gmail.com)





**Smt. Veena George**

Minister for Health &  
Family Welfare  
and Woman & Child Welfare  
Development  
Government of Kerala

**Message**

Medical College Hospitals form the backbone of the tertiary health-care delivery system, serving a dual role as centres of advanced patient care and as institutions for teaching, training, and research. Over the years, the Medical College Hospitals have evolved into comprehensive health-care hubs, providing specialized services to people and nurturing generations of competent medical and allied health professionals.

The Medical College Hospital stands as a testimony to the strength of the public health infrastructure, and access to quality tertiary care. Medical Colleges with its multidisciplinary departments, advanced diagnostic and therapeutic facilities, and dedicated workforce, are playing a pivotal role in addressing the complex health needs, and responding effectively to the tertiary healthcare.

This document systematically captures the services, achievements, innovations, academic activities, and future directions of the Medical College Hospital. It guides not only for institutional review but also for sharing best practices, and proposing policy decisions aimed at further improving health outcomes.

I appreciate the collective efforts of the Medical College Team who have contributed to the growth of this institution.

I also appreciate the contribution of the doctors, paramedical staff and support staff for preparation of such an extensive document.

I wish success in all future endeavours.

A handwritten signature in blue ink, appearing to read 'Veena George', with a light blue rectangular stamp behind it.

**Veena George**





## Preface

The Government has been taking various initiatives to build up a 'knowledge economy'. It gives mandate to build institutions entrusted with the responsibility of knowledge transfer in the respective domain areas. The Department of Health and Family Welfare has been taking a multipronged approach for development of health sector. Aardram Mission-1 focused at infrastructure development and Aardram Mission – Nav Kerala Karma Padhathi-2 continued its focus on various health programs and health system improvement measures.

The Department has given utmost importance towards the foundational field of Medical Education. Over time, our various medical colleges and medical college hospitals have been further developed by improving infrastructure, designing patient focused facilities, procuring various modern diagnostic equipment and measures and implementing state-of-the-art treatment avenues. These initiatives are supported by human resource management as well as human resource development. Strong governance of medical education and tertiary healthcare institutions development have resulted into qualitative improvement in health service delivery to all.

While discussing with the team, it was felt that a detailed document of these developments will not only inform regarding developments but it will also help to plan pragmatic future developments in medical colleges and improve health service delivery. The present generation of students will know their institution better and will take a pride in the fact the way these institutions are delivering the results.

This Medical College documentation initiative has been taken with the objective of providing a comprehensive overview of the institution's academic, clinical, administrative, and developmental dimensions. The documentation follows a structured framework covering institutional history, academic offerings, departmental facilities, human resource profile, infrastructure development, specialised programmes, research initiatives, and financial allocation. This approach enables systematic assessment of institutional performance, facilitates benchmarking across medical colleges, and supports informed decision-making at the departmental and policy levels.

Government Medical Colleges are complex institutions that integrate education, service delivery, and research. Effective planning for such institutions demands clarity on capacities, gaps, and future priorities. The preparation of this document has also strengthened internal coordination, data consolidation, and accountability

mechanisms within the institution. Medical Colleges are the worlds within worlds. This was not a simple task. It took months to prepare the documents! Even though to begin with there were questions regarding need of documenting, the teams took continuous efforts and the documents are prepared. The reader may feel that there a few things missed out but these documents will be always the foundation for the next editions and the posterity will understand about its value and utility.

I commend the collective efforts of those who have taken committed efforts to complete the tasks. Principals, hospital superintendents, faculty, administrative teams, and departmental units involved in this exercise.

The institutions are built by all working in the institutions right from the cleaners, security guard to the Principal and Superintendents. The students, both the undergraduate and postgraduate, have the idealism and energy. They should also contribute in a big way to betterment of systems and processes. The seniors should build such enabling environment that encourages taking initiatives in various field of medical science. It is our confidence that such 'thinking students' will not only understand the deeper meaning of gaining knowledge and skills but also put it to practice for the betterment of the society.

I am confident that this document will serve as a valuable reference for policymakers, administrators, and academic leaders, and will contribute meaningfully to the continued strengthening of Government Medical Colleges in Kerala and become the Centre of Excellence.

**Dr Rajan Khobragade IAS**

Additional Chief Secretary  
Health & Family Welfare and  
AYUSH Department  
Govt of Kerala.



## Message

Government Medical College, Kozhikode, established in 1957, has grown into a premier institution of medical education, healthcare, and research. Over the decades, it has evolved into a multidisciplinary centre of excellence, serving patients from across the state while nurturing generations of medical professionals.

This Health Document reflects that journey, highlighting the college's academic strengths, clinical services, infrastructure, and research initiatives. It stands as a testament to the institution's enduring commitment to compassionate care and innovation in medical science.

I commend the principal, faculty, and staff for preparing this comprehensive report. It will serve as a valuable reference for planning and policy, supporting the Directorate of Medical Education in strengthening Government Medical Colleges across Kerala.

I am confident that this compilation will further reinforce the Government Medical College, Kozhikode's role as a leader in advanced medical training, research, and patient care.

**Dr. K. V. Viswanathan**  
Director of Medical Education  
Government of Kerala



## Message



Established in 1957, Government Medical College, Kozhikode has earned its place among India's premier medical institutions through nearly seven decades of distinguished service in medical education, healthcare delivery, and research excellence. This health document captures our rich legacy, documenting comprehensive academic programs, world-class clinical services, cutting-edge infrastructure, and groundbreaking research contributions that continue to influence healthcare across Kerala and the nation.

Our publication meticulously details the institution's remarkable evolution—from foundational departments to super specialty centres of excellence, advanced research laboratories, and extensive community health initiatives. The collective commitment of generations of faculty, staff, and alumni has solidified our position as a vanguard of medical innovation and compassionate patient care.

This comprehensive report provides essential insights for strategic planning, infrastructure enhancement, and policy development while celebrating our ongoing pursuit of global medical education standards. Government Medical College, Kozhikode remains steadfastly committed to nurturing future healthcare leaders and advancing medical science for societal good.

**Dr. K. G. Sajeeth Kumar**

Principal

Government Medical College, Kozhikode



# Index

<b>Chapter 1</b>	<b>Medical College Hospital- Overview</b>	<b>15</b>
1.1	History and Development	15
1.2.	Present Infrastructure and Facilities	19
1.3	Administration	20
<b>Chapter 2</b>	<b>MCH Dashboard</b>	<b>22</b>
2.1	MCH Fact sheet regarding the Department and Facilities	22
2.2	Under Graduate courses	24
2.3	Post Graduate courses	25
2.4	Super Specialties	27
2.5	Allied Health Science courses	27
<b>Chapter 3</b>	<b>Details of Health Facilities</b>	<b>35</b>
3.1	Department of Anatomy	35
3.2	Department of Community Medicine	38
3.3	Department of Dermatology, Venereology & Leprosy	46
3.4	Department of Otorhinolaryngology (ENT)	48
3.5	Department of Family Medicine	49
3.6	Department of Forensic Medicine	54
3.7	Department of Medical Oncology	57
3.8	Department of General Medicine	58
3.9	Department of Nephrology	74
3.10	Department of Neurosurgery	77
3.11	Department of Nuclear Medicine	77
3.12	Department of Ophthalmology	80
3.13	Department of Orthopedics	89
3.14	Department of Pathology	91
3.15	Department of Microbiology	99
3.16	Department of Pediatrics	105
3.17	Department of Physiology	112
3.18	Department of Physical Medicine & Rehabilitation (PMR)	115
3.19	Department of Psychiatry	119
3.20	Department of Transfusion Medicine & Immunohematology	120
3.21	Department of Surgical Oncology	121
3.22	Department of Radiotherapy	121

<b>Chapter 4</b>	<b>Human Resource Profile in MCH</b>	<b>124</b>
4.1	HR strength (Category wise)	124
4.2	HR strength (Institution wise details)	129
<b>Chapter 5</b>	<b>Health Infrastructure Development</b>	<b>139</b>
5.1	Development done in last 10 years	139
5.2	Development planned	172
<b>Chapter 6</b>	<b>Specific Programmes</b>	<b>178</b>
6.1	Aardram Mission	178
6.2	Human Milk Bank	179
6.3	Molecular Diagnostic Laboratory (MDL)	179
<b>Chapter 7</b>	<b>Education Development Plans</b>	<b>183</b>
7.1	Expansion of Postgraduate Seats	183
7.2	Introduction of New Departments	183
<b>Chapter 8</b>	<b>HDS Details</b>	<b>184</b>
8.1	Facilities	184
8.2	HR	185
<b>Chapter 9</b>	<b>Innovations</b>	<b>186</b>
<b>Chapter 10</b>	<b>Financial Allocation and Utilization for the last 10 years</b>	<b>188</b>
<b>Chapter 11</b>	<b>Research Studies</b>	<b>189</b>
<b>Chapter 12</b>	<b>Training Programme</b>	<b>196</b>
<b>Chapter 13</b>	<b>Outbreak Investigation</b>	<b>199</b>
<b>Chapter 14</b>	<b>Remarkable Achievements</b>	<b>200</b>
<b>List of Contributors</b>		<b>206</b>

## CHAPTER 1

### MEDICAL COLLEGE HOSPITAL – OVERVIEW



**Fig. 1.1 Inaugural stone of Medical College Hospital, Kozhikode**

Government Medical College, Kozhikode, also known as Calicut Medical College, is a premier medical institution located in Kozhikode, Kerala. Established in 1957 as the second medical college in Kerala, it has grown into a leading centre for medical education, research, and healthcare services in the state.

#### 1.1 History and Development

The foundation stone of the college was laid on May 29, 1957, by Dr B. Ramakrishna Rao, the then Governor of Kerala. The college was formally inaugurated on August 5, 1957, by Dr A. R. Menon, the Health Minister of Kerala at that time, who played a pivotal role in its establishment. Dr K. N. Pisharoty served as the first principal, overseeing the initial organisation of the institution.

Over the decades, the college has expanded significantly. The main hospital commenced operations in 1966 with 1,183 beds. It was later supplemented by the Institute of Maternal and Child Health in 1975 (610 beds), the Savithri Devi Saboo Memorial Cancer Institute (101 beds), and the Chest Hospital (100 beds).

A super speciality complex, a new Block for the Institute of Maternal and Child Health, an Artificial Limb Centre, the College of Nursing, the College of Pharmacy, the Casualty (Emergency Services) complex, and the Tertiary Cancer care centre were later added to the main institution. The Surgical Super Speciality Block under PMSSY is now ready for inauguration. Even though the present sanctioned bed strength is 2975 (MCH-2125, IMCH-740, ICD-110), this institution caters to up to 3050 patients.



**Fig. 1.2 Institute of Maternal and Child Health Block, MCH, Kozhikode**

From its modest beginnings, Government Medical College, Kozhikode, has grown steadily over the past 63 years to become one of the premier medical institutions in Kerala. The college began with an annual intake of 50 undergraduate students, which has now expanded to 250. The 1970s marked a significant milestone in the institution's history with the establishment and expansion of postgraduate medical education in various disciplines. Presently, the college offers postgraduate programs in 24 medical fields, along with super-speciality courses in 10 departments.

The introduction of training programs in super specialities further broadened the institution's academic horizon. Over the last decade, almost all modern speciality services in

medical care have been incorporated, including kidney transplantation. The hospital boasts a well-equipped Cardiac Catheterisation Lab and Tele Cobalt Therapy, enhancing its capabilities in critical care and medical research. Additionally, the institution offers degree and postgraduate courses in Pharmacy, along with degree and diploma programs in paramedical sciences.

Government Medical College, Kozhikode, has also embraced digital transformation. The medical library, academic departments, and administrative offices have been fully equipped with computer facilities, facilitating seamless networking among hospitals, departments, and offices.

A major development in the college's infrastructure was the inauguration of the Super Speciality Complex for the Medical College Hospital (MCH) on 23rd September 2006. Initially started with outpatient clinics for super-specialities, the unit later expanded to include inpatient wards. The complex features cutting-edge facilities such as a state-of-the-art cardiac catheterisation lab, MRI scanning, Doppler ultrasound, and a digital radiography system. Further expansion is underway, with efforts to establish a super-speciality surgical block, emergency services, and critical care units under PMSSY Phase-3, with a project outlay of 150 crores.

The institution has also seen significant advancements in maternal and child healthcare. The renovated Institute of Maternal and Child Health (IMCH) building, constructed under the National Rural Health Mission (NRHM) Scheme, was inaugurated by Hon. Health Minister P.K. Sreemathy Teacher on 18th December 2010. Subsequently, the Golden Jubilee Block for IMCH, funded by NRHM, was inaugurated by Hon'ble Minister for Home Affairs, Sri Mullappally Ramachandran, on 27th February 2011.

In line with its commitment to mental health, the Institute of Mental Health and Neurosciences (IMHANS) was established under a central government scheme. This initiative fosters collaboration between IMHANS and the medical college psychiatry department, enhancing community psychiatry services. The Tertiary Cancer Centre, inaugurated in 2018 by Hon. Chief Minister Shri Pinarayi Vijayan, has significantly advanced cancer treatment services at the institution.

The college has also expanded its academic departments with the introduction of the Department of Emergency Medicine and the Department of Family Medicine. Notably, Family Medicine is a pioneering initiative, being the first of its kind in government medical colleges in India, while the Department of Emergency Medicine is the first such department in a government medical college in Kerala.

To further promote research in medical education, the institution has established a Level-2 Virology Lab and a multidisciplinary research unit. A new lecture theatre complex has also been constructed to enhance the learning environment for students. Additionally, a sewage treatment plant has been inaugurated to facilitate the scientific management of hospital waste.

Residential infrastructure has also seen improvements, with the construction of new flats for postgraduate students and staff, awaiting formal inauguration. Government Medical College, Kozhikode, has distinguished itself as the first state government institution to successfully initiate cochlear implantation and kidney transplantation services.

Looking ahead, a comprehensive master plan has been prepared to meet future demands and facilitate the institution's continued development. For the past 63 years, the people of six northern districts of Kerala have relied on this institution for tertiary healthcare services. Keeping pace with global advancements, the college remains committed to excellence in medical education, research, and healthcare. With a vision to become one of the top medical institutions in the country, Government Medical College, Kozhikode, aims to provide world-class medical services and education to benefit society.

## 1.2 Present Infrastructure and Facilities



**Fig. 1.3 Entrance of MCH, Kozhikode**

Govt. Medical College Kozhikode

Department: Medical Education

Place: Kozhikode Corporation, Ward-21, Chelavoor village,

Kozhikode Taluk

Area: 270 Acre (1.1 sq km)

Serving area: Kasargod, Kannur, Kozhikode, Malappuram, Wayanad, and Palakkad Districts

Collegiate institutions:

- a. Govt. Medical College Hosp
- b. Institute of Maternal and Child Health
- c. Institute of Chest Disease
- d. Medical College Hospital Unit, Cherooppa
- e. Super Specialty Block

- f. PMSSY
- g. Institute of Sports Medicine
- h. College of Pharmaceutical Science
- i. Zonal Limb Fitting Centre
- j. Tertiary Cancer Care Centre

### **1.3 Administration**

Principal: Dr. Sajeeth Kumar K G

Vice- Principal: Dr. Arun Kumar A

Superintendents of hospitals:

Govt. Medical College Hospital: Dr. M P Sreejayan

Institute of Maternal and Child Health: Dr. Arun Preeth

Institute of Chest Disease: Dr K.P. Suraj

Super Speciality Block: Dr. M P Sreejayan

Head of the Tertiary Cancer Care Centre: Dr. Ajaya Kumar T

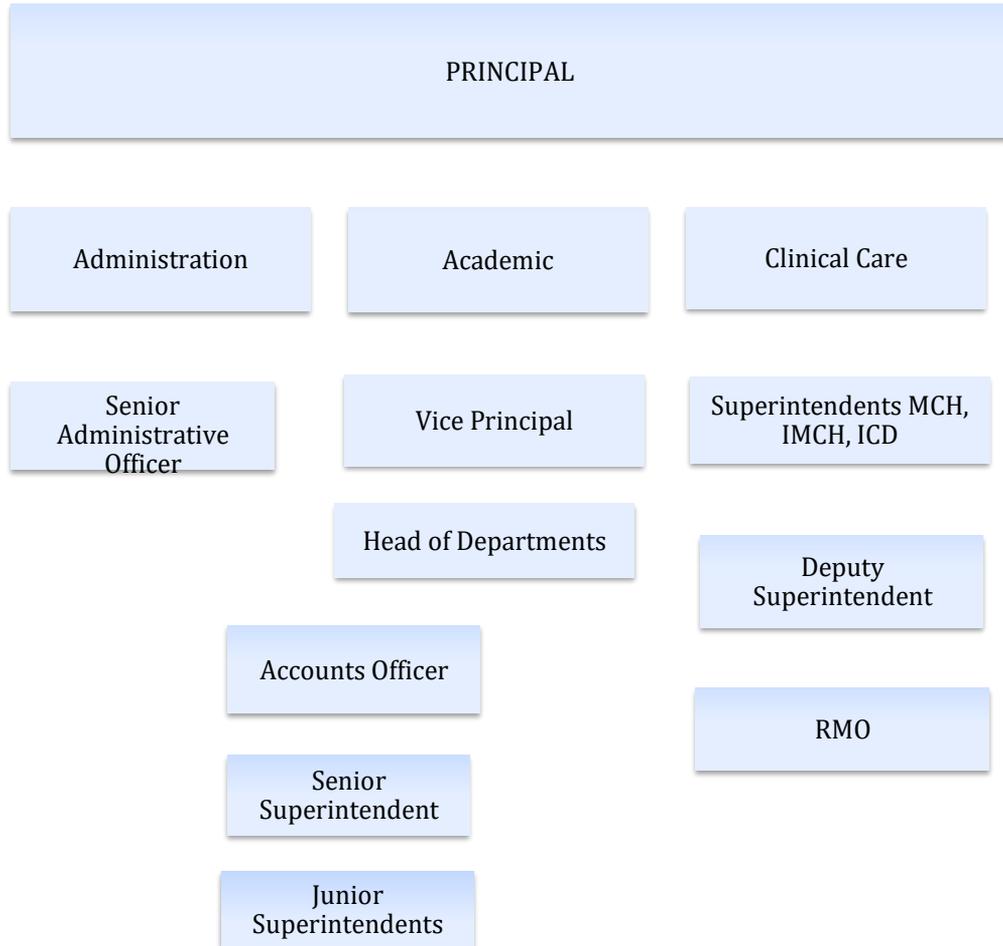
Head of the Institute of Sports Medicine &

Zonal Limb Fitting Centre: Dr. Sreejith

Head of the College of Pharmaceutical Science: Dr. O G Vinaya

Officer in charge MCH Unit, Cherooppa: Dr.Rajasi

PMSSY: Dr. Rajesh



**Fig. 1.4 Organogram of MCH, Kozhikode**

## CHAPTER 2

### MCH DASHBOARD

#### 2.1 MCH Fact Sheet regarding the Department and Facilities

##### 2.1.1 Departments

**Table 2.1 List of Departments in MCH Kozhikode**

Departments	
Anaesthesiology	Ophthalmology
Anatomy	Orthopedics
Biochemistry	Obstetrics and Gynaecology
Community medicine	General surgery
Dermatology	Pediatrics surgery
Emergency medicine	Neurosurgery
Family medicine	Plastic and reconstructive surgery
Forensic surgery	Genitourinary surgery
General Medicine	Cardiovascular TS
Microbiology	Cardiology
Pathology	Medical Gastroenterology
Psychiatry	Pulmonary medicine
Pharmacology	Nephrology,
Physical medicine and rehabilitation	Neuromedicine
Physiology	Surgical Gastroenterology
Pediatrics	Transfusion Medicine

Pulmonary medicine	College of Pharmaceutical Science
Radiodiagnosis	Physical Education
Radiotherapy	Biomedical Engineering
Otorhinolaryngology	Neonatology

### 2.1.2 Number of Tutorial rooms

**Table 2.2 Department-wise Availability of Tutorial Rooms**

Department	No. of Tutorial rooms
Pharmacology	2
Anatomy	2
Pathology	2
Biochemistry	4
Microbiology	2
Physiology	1

### 2.1.3 Number of Student practical laboratories

**Table 2.3 Department-wise Availability of Laboratories**

Department	No. of laboratories
Pharmacology	2
Anatomy	5
Pathology	1
Biochemistry	2

Microbiology	1
Physiology	5
Community Medicine	1
Forensic Medicine	1

### 2.1.4 Number of museums

**Table 2.4 Department-wise Availability of Museums**

Department	No. Of museums
Anatomy	1
Pathology	1
Physiology	1
Forensic	1
Pharmacology	1
Microbiology	1
Community Medicine	1
Pathology	1

### 2.2 Under Graduate Courses

Medical and paramedical courses are conducted in govt. medical college kozhikode. Annual intake of students for 2024-25 is listed below.

**Table 2.5 List of UG Academic Courses and Sanctioned Intake Capacity**

No.	Name of the course	No of seats
1	MBBS	250
2	B. Pharm	22
4	B. Pharm Lateral Entry	2
5	BSc. MLT	26
6	BSc. Optometry	22
7	BCVT	4
8	BSc. Perfusion Technology	3
9	BSc Dialysis Technology	22
10	BSc MIT	10
11	BSc RTT	6
12	BSc NMT	10

### 2.3 Post Graduate Courses

**Table 2.6 List of PG Academic Courses and Sanctioned Intake Capacity**

No.	Name of the course	No of seats
1	M Pharm	22
2	M D Anaesthesiology	25
3	MD Biochemistry	3
4	MD Forensic Medicine	3
5	M D Dermatology and Venerology & Leprosy	7

6	M D General Medicine	20
7	MD Microbiology	3
8	M S Obstetrics and gynecology	24
10	M D Pathology	11
11	M D Pharmacology	2
12	M D Physiology	5
13	MD Physical medicine and rehabilitation	6
14	MD Pediatrics	20
15	M D Psychiatry	4
16	MD Radio diagnosis	11
17	MD Radio Therapy	4
18	MD Community Medicine	4
19	M D Respiratory Medicine	7
20	MS Anatomy	6
21	M.S Oto Rhino Laryngology	6
22	M S General surgery	19
23	M S Ophthalmology	9
24	M S Orthopaedics	12
25	MD Emergency Medicine	2
26	MD Family Medicine	2

## 2.4 Super specialty

**Table 2.6 List of Super Specialty Courses and Sanctioned Intake Capacity**

No.	Name of the course	No of seats
1	MCh Pediatrics surgery	4
2	MCh Plastic and reconstructive surgery	2
3	MCh Genito Urinary surgery	4
4	MCh Thorasic Surgery	2
5	MCh Neruo Surgery	2
6	DM Cardiology	6
7	DM Gastroenterology	4
8	DM Neurology	2
9	DM Nephrology	2
10	DM Pulmonary medicine	1

## 2.5 Allied Health Science courses

**Table 2.7 List of Allied Health Science Courses and Sanctioned Intake Capacity**

No.	Name of the course	No of seats
1	DCSSD	4
2	DMLT	33
3	DRT	33
4	DR	4
5	DOA	11

6	DOTAT	15
7	DDT	11
8	DET	4
9	DNT	5
10	D.Pharm	55

**Table 2.8 List of Courses with Year of Establishment**

<b>Sl No</b>	<b>Courses</b>	<b>The year in which the course started</b>
1	MBBS	1957
2	MD/MS Anatomy	1957
3	MD Anesthesiology	1957
4	MD Biochemistry	1957
5	MD Community Medicine	1957
6	MD Dermatology	1957
7	MD Emergency Medicine	1957
8	MD Family Medicine	1957
9	MD Forensic Medicine	1957
10	MD General Medicine	1957
11	MD Microbiology	1957

12	MD Paediatrics	1957
13	MD Pathology	1957
14	MD Pharmacology	1957
15	MD Physiology	1957
16	MD PMR	1957
17	MD Psychiatry	1957
18	MD Pulmonary Medicine	1957
19	MD Radio diagnosis	1957
20	MD Radiotherapy	1957
21	MS ENT	1957
22	MS General Surgery	1957
23	MS Obster & Gynaec	1957
24	MS Ophthalmology	1957
25	MS Orthopaedics	1957
26	MCh Genito Urinary Surgery	1980
27	M.CH. Neuro Surgery	1980
28	MCh Paediatric Surgery	1984
29	MCh Plastic and Reconstructive Surgery	1980
30	MCh Cardiovascular and Thorasic Surgery	1984

31	DM Cardiology	1984
32	DM Gastroenterology	1984
33	DM Nephrology	1984
34	DM Neurology	1984
35	DM Pulmonary Medicine	1984
36	BSc Optometry	2010
37	BSc MLT	2011
38	BSc MIT	2023
39	BSc Dialysis Technology	2020
40	BCVT	2011
41	BSc Perfusion Technology	2011
42	BSc NMT	2024
43	BSc RTT	2023
44	B Pharm	2008
45	M Pharm	2008
46	D. Pharm	1967
47	DDT	2008
48	DNT	2009
49	DCSSDT	2019

50	DMLT	1994
51	DR	2011
52	DOTAT	2010
53	DET	2010
54	DOA	1994
55	DRRT	2019

**Table 2.9 Medical and Paramedical Courses with annual intake of students 2025-26  
(up to Aug 31, 2025)**

SL No	Name of Courses	No. of Seats	No. of Intake in the current academic year
1	MBBS	250	250
2	B. Pharm	22	20
3	BCVT	4	4
4	BSC Dialysis Technology	22	22
5	BSC Perfusion Technology	3	3
6	BSc MLT	26	26
7	BSc Optometry	22	22
8	BSc RTT	6	6
9	BSc MIT	10	10
10	B Pharm Lateral Entry	2	3

11	BSc NMT	6	6

**Table 2.10 Post Graduate Courses with annual intake of students**

SL No	Name of Courses	No. of Seats	No. of Intake in the current academic year
1	M Pharm	20	20
2	MD Anaesthesiology	25	25
3	MD Biochemistry	3	3
4	MD Forensic Medicine	3	3
5	MD Dermatology and Venereology & Leprosy	7	7
6	MD General medicine	20	20
7	MD Microbiology	3	3
8	MS Obstetrics and Gynaecology	24	24
9	MD Pathology	11	11
10	MD Pharmacology	2	2
11	MD Physiology	5	4
12	MD Physical medicine and rehabilitation	6	6
13	MD Pediatrics	20	20
14	MD Psychiatry	4	4
15	MD Radio diagnosis	11	11

16	MD Radio Therapy	4	4
17	MD Community Medicine	4	4
18	MD Respiratory Medicine	7	7
19	MS Anatomy	6	6
20	MS Oto-Rhino-Laryngology	6	6
21	MS General surgery	19	19
22	MS Ophthalmology	9	9
23	MS Orthopedics	12	12
24	MD Emergency Medicine	2	2
25	MD Family Medicine	2	2
	<b>Total</b>	<b>215</b>	<b>214</b>

**Table 2.11 Super Specialty Courses with annual intake of students**

SL No	Name of Courses	No. of Seats	No. of Intake in the current academic year
1	MCh Pediatrics surgery	4	4
2	MCh Plastic and reconstructive surgery	2	1
3	MCh Genito Urinary Surgery	4	4
4	MCh Thoracic Surgery		
5	MCh Neuro Surgery	2	2

6	DM Cardiology	6	6
7	DM Gastroenterology	4	4
8	DM Neurology	2	2
9	DM Nephrology	2	2
10	DM Pulmonary medicine	1	1

**Table 2.12 Para-Medical Diploma Courses with annual intake of students**

SL No	Name of Courses	No. of Seats	No. of Intake in the current academic year
1	DCSSD	4	4
2	DMLT	33	33
3	DRRT	33	33
4	DR	4	4
5	DOA	11	11
6	DOTAT	16	16
7	DDT	11	11
8	DET	4	4
9	DNT	5	5
10	D Pharm	55	55
	Subtotal		176

## CHAPTER- 3

### DETAILS OF HEALTH FACILITIES

#### MCH Department-wise Details

##### 3.1 Department of Anatomy

###### Academic Excellence

- Outstanding MD Anatomy results with multiple KUHS State Ranks every year (2020–2025).
- Includes 1st ranks in 2022, 2023 and 2025, consistently among top performers in the state.
- High MBBS Anatomy pass percentages (78%–93%) with State Toppers in 2020, 2021 & 2023 batches.
- Steady academic performance across UG & PG programmes.



###### Awards & Recognitions

- Winners of the prestigious Prof. N. Saradadevi Memorial Award & Dr Pandalai Memorial Award (multiple years).
- Numerous best paper, poster, and quiz awards at:
  - Kerala State ASI Conferences
  - NATCON (National Anatomy Conference)
  - National CME platforms
  - Virtual national academic fests
- Faculty and residents recognised for excellence in research and presentations.



###### Research Leadership

- 40+ completed research projects (2020–2025) covering:
  - Neuroanatomy, vascular variations, nerve anatomy, embryology, hepatobiliary system, cardiac structures, etc.

- 7 major ongoing cadaveric and morphological research projects.
- Strong emphasis on clinically relevant anatomical variation studies.

#### Publications

- 40+ peer-reviewed publications in national & international journals on:
  - Nerve variations
  - Vascular morphometry
  - Chromosomal anomalies
  - Congenital anomalies
  - Cadaveric morphometric studies
- Multiple publications by both faculty and PGs each year.

#### Advanced Laboratory Services

##### *Cytogenetic Laboratory*

- Karyotyping services (since 2012) — ~400 samples/year.
- Amniotic fluid karyotyping (since 2024).
- FISH testing
  - For prenatal detection of aneuploidies (13, 18, 21, X, Y) – since 2025
  - HER2/neu amplification testing – since 2024
- Collaborative work with the Paediatric Immune Deficiency Project and MDL.

##### *Other Functional Labs*

- Histology lab
- Research lab
- Embryology lab
- Neuroanatomy lab

### PG & Faculty Training Activities

- Organised multiple cadaveric surgical workshops with ENT, Orthopaedics, Neurosurgery, Plastic Surgery including:
  - Temporal bone dissection workshops
  - Spine courses
  - Skull base surgery workshops
  - Flap dissection courses
- Hosted Kerala State ASI Conference – “Spinakode” (2023).

### Infrastructure Strength

- Museum with extensive wet & dry specimens, models, comparative anatomy displays.
- Dissection hall: 25 cadavers for MBBS + 2 for BDS.
- Embalming centre functioning on working days & holidays.
- Dedicated demonstration rooms, research spaces, and storage facilities.

### Community & Academic Outreach

- Regular body donation awareness programmes.
- Providing specimens for science exhibitions.
- Anatomy museum visits by medical & non-medical groups.

### Training Capacity

Handles teaching for 15+ medical & paramedical courses, including:

- MD Anatomy – 6 seats
- MBBS – 250 students
- Nursing, BDS, MLT, Optometry, CVT, MIT, NMT, Dialysis Technology, Radiotherapy, Diploma programmes etc.

- Total student load 450+ learners annually.

### 3.2 Community Medicine

#### Department Overview

- Established in 1961; now a clinical and public health specialty with:
  - Two functional outpatient clinics
  - Administrative control of Rural Health Training Centre, Cheroopa (MCH Unit)
- Active role in national programmes, outbreak investigation, field training and community outreach.

#### Epidemic & Pandemic Response

- Over 1 lakh COVID-19 vaccinations for public and health-care workers; mass vaccination at MCH Cheroopa.
- Nipah outbreak investigations – appreciation awards from the Hon. Health Minister (2021 & 2023).
- COVID-19 activities: surveillance, airport screening, cluster investigations, home isolation follow-up, CFLTC/FLTC coordination, ICU duties, and daily vaccination (~1000 beneficiaries/day).

#### Projects, Collaborations & Designations

- KUHS-recognised PhD Centre.
- ICMR Event-based Surveillance Project (2024 – ongoing).
- NCDC Sentinel Surveillance Centre for Zoonotic Diseases (NOHP-PCZ).
- Sickle cell project with NHM, Wayanad.
- Destitute home health-care collaboration with District Collector (Udayam project).
- Social Accountability Project (TUFH, Philadelphia) – bagged in 2023; invited platform presentation at TUFH Conference, Sharjah and poster at International Conference on Epidemic Disease Modelling, Bologna.

### MCH Unit Cheroopa – Key Milestones

- State-level NQAS certification (Perumanna PHC) – 2025.
- NQAS certification for two sub-centres (Kanniparambu, Kuttikadavu).
- >1000 patients screened for cancer cervix and oral cancer.
- New facilities: ECG machine, Dental clinic, strengthened lab services (2023), “Happiness Park” for children (2024), waste-management project (Thumboor Muzhi), elderly park (in progress).
- Approved ₹29 lakh health grant for new laboratory building (2025).

### Academic Excellence

#### MD Ranks – KUHS

- 1st Rank: Dr Aparna Padmanabhan (2018), Dr Amrutha D (2020), Dr Renju Raju (2021)
- 2nd Rank: Dr Binshina Basheer (2021)
- 5th & 8th Rank: Dr Navya A (2020), Dr Ashik C Refeek (2021)

#### Awards & Prizes

- Multiple national honours including:
  - IAPSMCON 2021 – 1st, 2nd & 3rd prize (e-posters), quiz 1st place (UG).
  - IPHA Conference 2022 – Best paper (JSY implementation).
  - IAPSM Karnataka 2022 – Best poster (Animal Birth Control).
  - Best oral/poster awards at AMRITACON 2023, EPHACON 2024, NATCON 2025.
  - KUHS UG Research Appreciation Award (65th MBBS batch).
  - IAPSM World Health Day UG Quiz – All Kerala 6th place.
- Award to HOD for containment of Nipah infection.

## Research & Publications

- Multiple publications in indexed journals (JFMPHC, IJCM, J Med Virol, Frontiers in Public Health, Cureus, etc.) on:
  - Diphtheria outbreaks, anaemia in antenatal women, tribal immunization, COVID-19 perceptions & post-COVID sequelae, leptospirosis, depression in elderly, home-based palliative care, breastfeeding practices, Nipah outbreaks, Kyasanur Forest Disease, social accountability and medical education.

## Ongoing / Completed Research Themes (2020–2025)

- Rabies PEP, water quality, JSY evaluation, STDs in slums, anaemia and NCD risk factors, multimorbidity, post-chikungunya sequelae, adolescent health, PHC evaluations, NCD programmes, zoonotic surveillance, cancer screening, health effects of endosulfan, amoebic encephalitis (with MRU).

## CME, Training & Capacity Building

- Regular CMEs and workshops on:
  - Global warming, VPD surveillance, zoonotic diseases, food fortification, clinical trials & ethics, SOPs for AES & Monkeypox, rabies prophylaxis (APCRI), vaccine webinars, disaster management.
  - AETCOM and electives workshops, research methodology CPD for dental PGs, AI in public-health research (with NIT).
  - Continuous CPD for interns on animal-bite management (2021–2025).
- CBME curriculum implementation, Family Adoption Programme (2021 MBBS batch), 60+ student research projects.

## Community Outreach & Social Accountability

- Member of district RRT, death audit team, AEFI committee; technical support in outbreaks.
- Work with destitute homes (Udayam) – weekly camps and IEC.

- “Vayojananayam” – policy development for geriatric quality of life in Kozhikode Corporation.
- Multiple outreach programmes:
  - Malnutrition screening (under-5), tribal colony and hostel screening, school health camps, well chlorination & source reduction, blood group screening and blood donation awareness, Mission Indradhanush 5.0.

🌀 National & International Programme Linkages

- External monitors for Pulse Polio, Mission Indradhanush, MR campaign, COVID vaccination.
- Sub-national TB certification (NTEP 2022).
- Recognised sentinel centre for zoonotic disease surveillance.





Fig. 3.1 Abstract of the research on “Incentive-based case reporting model using female health volunteers”: Adaptability in a low-resource setting”



Fig. 3.2 Certificate of achievement for the 15th National Conference of Students' Medical Research

## Outreach Programmes



**Fig. 3.3 Screening camp at tribal girls' hostel**



**Fig. 3.4 Screening camp at tribal colony**



Fig. 3.5 Immunisation program at primary healthcare facilities



Fig. 3.6 Outreach activities

### CME and Workshops



**Fig 3.7 Conducted a sensitization programme on “GLOBAL WARMING” for Media Personnel on APRIL-2022**



**Fig 3.8 Sensitisation of VPD surveillance, AEFI, & MR elimination at GMC Kozhikode**



**Fig 3.9 Webinar series conducted on various topics**

**MCH UNIT CHERUPA**



**Fig 3.10 Cataract screening camp**



**Fig 3.11 ECG machine distribution at Cherupa**

**3.3 Department of Dermatology, Venereology & Leprosy**

Academic & Professional Excellence

- Faculty invited as speakers, panelists, moderators and orators at major national & international forums:

International Conference of Dermatology, DERMAZONE South, DERMACON, MID DERMACON, IADVL CMEs/Webinars, HIV & Leprosy CMEs, Paediatric Dermatology programs.

- Delivered IADVL Kerala Oration (2021) and invited as chief guest/speaker for international webinars.

#### Contributions to Books & Teaching

- Chapters authored in major dermatology reference books:
  - IADVL Undergraduate Textbook
  - Jopling's Handbook of Leprosy (2020)
  - Essentials of Pediatric Allergy & Applied Immunology
  - IAP Case-Based Reviews in Pediatric Allergy

#### Research & Publications

- Numerous publications in indexed journals (2019–2024) covering:
  - Leprosy, DRESS/Drug Reactions, Psychodermatology, COVID-related skin changes, STIs, Systemic sclerosis, Pediatric dermatology.
- Significant contributions in epidemiological studies, diagnostic innovation, clinical profiles, and rare case reports.

#### Awards & Resident Achievements

- National & International quiz champions at DERMACON 2019 (1st prize nationally & internationally).
- Multiple prizes across years at Mid CUTICON, DERMACON, DERMAZONE, Psyderm 2023, CUTICON 2023 & 2024, PGCON 2024, SIG Pruritus CME, Biologicals CME, and Paediatric Dermatology Quiz (PGI).
- Recognition for best free papers, award papers, E-posters, and PG research merit awards.

### Departmental Strengths / Focus Areas

- Recognized expertise in:  
Leprosy, Psychodermatology, Drug reactions & SCARs, Pediatric dermatology, STIs, Systemic sclerosis, Vitiligo surgery, Dermoscopy.
- Active multidisciplinary collaboration with Rheumatology, Pediatrics & Infectious Diseases.

## 3.4 Department of Otorhinolaryngology (ENT)

### Department Overview

- Active tertiary ENT centre with strong focus on clinical services, postgraduate training, research and community outreach.
- Recognised PhD Research Centre under KUHS (2023).
- Key organiser/host of major academic events:
  - CALMED ENT Conference (2022)
  - Temporal Bone Workshops (2023 & 2024)
  - Vertigo Masterclass (2024)
  - Preconference Workshop – CIGICON 2025

### Publications & Research

- 22 peer-reviewed publications (2020–2025) in national and international journals.
- Work spans otology, rhinology, laryngology, skull base surgery, cochlear implantation, mucormycosis, TB, medical education and vestibular disorders.

### Training, Workshops & Courses

- 35+ workshops / courses attended or organised:
  - Research methodology workshops (2023, 2024)
  - Temporal bone dissection courses
  - Vertigo, vestibular disorder & balance medicine training

- PHONOCON hands-on sessions
- BLS/ACLS, AI in medical education & biomedical research.

#### Faculty & Resident Achievements

- Fellowship in Skull Base Surgery – World Skull Base Foundation (2024); Best dissector in anterior skull base surgery.
- WHO World Hearing Forum Membership renewed for 2025–2027.
- Gold Medal – Best Outgoing PG in ENT, Kerala (2023) and 2nd Rank KUHS PG Exam (2023).
- Multiple state and national quiz/presentation prizes at:
  - KENTCON, AOICON, Malabar ENTCON, ISOCon, PHONOCON, ECHOES tc.
- Residents and faculty regularly present oral papers, posters and e-posters at national and international conferences (AOICON, RHINOCON, ISOCon, IDF Bangkok, etc.).

#### Community & Global Engagement

- Active cochlear implantation services and related rehabilitation – functioning as a tertiary referral centre.
- World Hearing Day 2025: Walkathon, cultural programs with children with hearing impairment, and public awareness talks in collaboration with WHO / World Hearing Forum.

### 3.5 Department of Family Medicine

#### Academic Activities

- Weekly topic presentations (Thursdays)
- Weekly case presentations (Saturdays)
- Academic output in 5 years:
  - 247 Clinical Seminars

- 251 Case Presentations
- 42 Journal Clubs

 Academic Excellence – KUHS Examinations

- 2017 Batch:
  - *1st Rank:* Dr Nasla E
  - *2nd Rank:* Dr Nishath Rahiman
- 2018 Batch:
  - Dr Mariyam Shabeera, Dr Asni Muhammed
- 2019 Batch:
  - *1st Rank:* Dr Anupama T P
  - *2nd Rank:* Dr Subin Babu
- 2020 Batch:
  - *1st Rank:* Dr Naseef M K
- 2021 Batch:
  - *1st Rank:* Dr Athira Devadas
  - *2nd Rank:* Dr Annu Krishnan

 DNB Achievement

- Gold Medal – DNB Family Medicine (Dec 2020):  
Dr Mamta Manohar

 Resident Achievements – Conferences (AFPI, WONCA & National Forums)

Prizes

- AFPI State Conference 2020:
  - *1st Prize Poster:* Dr Nasla E
  - *1st Prize Quiz:* Dr Nasla E & Dr Nishath Rahiman

- AFPI State Conference 2021:
  - *2nd Prize Poster*: Dr Mariyam Shabeera
  - *3rd Prize Quiz*: Dr Mariyam Shabeera
- AFPI National Conference 2022:
  - *3rd Prize Quiz*: Dr Naseef MK, Dr Athira Unni, Dr Athira Devadas
- AFPI State Conference 2024:
  - *1st Prize Poster*: Dr Athira Devadas
  - Additional poster awards: Dr Annu Krishnan, Dr Neelima P, Dr Athira Mukundan
- CUTICON/WONCA 2025:
  - Poster: Dr Roshni Sulthana
  - Papers: Dr Annu Krishnan, Dr Athira Devadas

#### Poster & Paper Presentations (2019–2025)

Residents presented multiple clinically relevant and rare cases, including:

- Dapsone-induced serum sickness
- Refractory anaemia
- Relapsing polychondritis
- Diagnostic dilemmas in leprosy
- Unusual dengue outcomes
- Kawasaki disease, pleural effusion in hepatitis A
- HLH, Crohn's disease, hemochromatosis, vitamin D deficiency myopathy
- Multiple clinical epidemiological papers at WONCA South Asia Region Conference 2025.

 Research Work by Junior Residents

Projects completed across community health, lifestyle disorders, chronic disease patterns, and epidemiology, including studies on:

- Lifestyle factors & BMI in school children
- Health-seeking behaviour of families
- Depression in geriatrics and adult females
- Hypertension & diabetes prevalence
- Lifestyle disorders among college students
- Diet & lifestyle in dengue, tuberculosis, PCOS
- Knowledge & practices in Type 2 diabetes
- Obesity among PG residents
- Anemia in elderly and adolescents





**Fig 3.12** Poster presentations at various conferences by the residents



**Fig. 3.13** Quiz competition held at the APFI national conference, Hyderabad 2022



**Fig. 3.14 Various conferences attended by the residents**

### 3.6 Department of Forensic Medicine

#### Department Overview

- Established in 1957; conducting medico-legal autopsies since 1968.
- MD Forensic Medicine & Toxicology (3 seats/year) – MCI recognised.
- Teaching responsibility for 250 MBBS students annually.

#### Speciality Services

- ~2600 medico-legal autopsies per year.
- Comprehensive medico-legal work: wound and potency examination, age determination, sexual assault case examination, accused examination.
- Regular training for police officers, public prosecutors & medico-legal personnel.

### Academic Performance

Undergraduates:

- Pass percentage: 97.5%–100% (2021–2025)

Postgraduates:

- Pass percentage: 100% every year (2021–2025)

### Teaching & Academic Activities

- UG teaching sessions:
  - 40 (2021), 43 (2022), 65 (2023), 70 (2024), 76 (2025)
- PG academic sessions (classes + journal + case presentations):
  - 38 (2021), 40 (2022), 39 (2023), 42 (2024), 25 (till Sept 2025)

### Research & Publications

Representative research themes:

- Traumatic brain injury, suicidal hanging, coronary artery disease, brain changes in delayed deaths, hyoid bone morphometry, intraocular biochemical changes vs time since death, road traffic injuries, sudden cardiac death.

Key publications & presentations:

- Studies on stature estimation, deaths due to burns, heat stroke fatality, snakebite, cyanide detection, forensic age assessment, attitude of MBBS students on dowry, etc.
- Poster & paper presentations at Forensic Medicon, SIMLACON, AFMEKON, South India Medico-Legal Association, and other national conferences.

### Resident Achievements

Residents secured multiple 1st and 2nd prizes at major national/state forensic conferences:

- AFMEKON 2024, Forensic Eye 2024, NEGLIGENTIA 2024, SIMLACON 2025, Cerebrosus 2.0 (2025).

- Award-winning case reports include:
  - Heat stroke fatality
  - Perforation peritonitis in enteric fever
  - Paediatric hemangioma rupture
  - Aortic dissection
  - Toxic inhalational death
  - Cerebral venous thrombosis
  - Complex trauma & ballistic evaluation

🌐 Training, Workshops & CME Contributions

Faculty served as speakers, panelists and resource persons at:

- Forensic Medicon (2021, 2022, 2024)
- SIMLACON (2024 & 2025)
- AFMEKON 2024
- KSOTTO workshops, Organ Transplantation CME, Forensic Nursing Conferences (TNAI)
- Medical Education workshops (BCME, CISP)
- Zoonotic disease surveillance sensitization
- National CME on Forensic Radiology (2022)
- Autopsy workshops (AUTOPSIA 2025)

Postmortem Examinations – GMCK (2021-2025)

Table 3.1 Year-wise Number of Postmortem Examinations Conducted

Year	Number of Postmortems
2021	2204

Year	Number of Postmortems
2022	2309
2023	2442
2024	2611
2025	2327 (up to 05.12.2025)
Total	11,893

#### Achievement Note

The Department of Forensic Medicine, Government Medical College Kozhikode, continues to play a crucial role in medico-legal services for the region. Over the past five years, the department has conducted 11,893 postmortem examinations, including 2,327 cases in 2025 up to December 5. This sustained workload reflects the department's pivotal contribution to the criminal justice system, timely investigation support, and its capacity to manage a consistently high volume of medico-legal responsibilities.

#### 3.7 Department of Medical Oncology (2020–2025)

The Department of Medical Oncology at Government Medical College, Kozhikode continued to strengthen its academic and research presence over the past five years. A total of 60 seminars, 30 journal presentations, and 30 case presentations were conducted, ensuring consistent academic engagement for trainees. The department hosted two external faculty lectures and successfully organized two conferences, in addition to contributing a conference presentation at the national level. Scholarly output included six peer-reviewed publications, supported by two ongoing research projects, reflecting the department's commitment to evidence-based oncology practice. Although no patents or textbooks were produced during this period, the department maintained steady academic productivity and remains focused on enhancing research, multidisciplinary collaboration, and postgraduate learning in the coming years.

### 3.8 Department of General Medicine

#### Department Overview

The Department of General Medicine has been actively involved in clinical care, teaching, high-impact research and multicentric clinical trials, with strong national and international academic visibility across internal medicine, infectious diseases, rheumatology, endocrinology, hematology, critical care and neurology.

#### Publications & Academic Contributions

- Numerous peer-reviewed publications (2020–2025) in national and international journals including Journal of Medical Virology, Frontiers in Public Health, Cureus, JAPI, Autoimmunity Reviews, JCDR, IOSR-JDMS, and others.
- Key themes:
  - Nipah virus outbreaks, Kyasanur Forest Disease, COVID-19 severity and follow-up, heat stroke, snake bite, infective endocarditis, organophosphorus poisoning, HLH, sepsis, acute kidney injury, liver disease, diabetes and metabolic syndrome.
  - Endocrinology & rheumatology – hypothyroidism, diabetes, metabolic syndrome in SLE, ANCA-associated vasculitis guidelines, psoriatic arthritis comorbidities.
  - Cardio-metabolic & vascular work – vitamin D in MI, carotid IMT, NT-proBNP, hypertension, dyslipidemia.
- Book chapter: “Hypothyroidism” in *Doctors Pocket Companion* (2nd edition, Jaypee Brothers).

#### Faculty Academic Leadership & Invited Talks

- Faculty regularly invited as speakers, panellists and faculty at:
  - National rheumatology, hematology, diabetology, internal medicine and tribal health conferences (IRACON, SZIRACON, KERACON, Haematocon, RSSDI, CFD, APICON, etc.).

- Multiple state-level CMEs, national conclaves, consensus meetings and NHM programmes on rheumatology, hemophilia, sickle cell disease, thrombocytopenia, anemia, bleeding disorders, stroke, diabetes, hypertension and infectious diseases.
- Flagship institutional academic event:
  - “Internal Medicine Update” series (2022–2025) with wide faculty participation on themes including stroke, snake bite, rheumatology, endocrinology, hematology, critical care and infectious diseases.

#### Resident Academic Activities & Achievements

- Residents have presented extensively at:
  - National and international conferences – World Congress of Infectious Diseases, Indian Myeloma Conference, RSSDI Kerala, APICON, Haematocon, CIDSCON, CFD meets, MESCON, IDCON, KENDOCON, NHU, Manipal Infectious Disease Conference and others.
- Multiple awards and prizes, including:
  - Best posters, free papers, quiz prizes and memorial awards at API Kerala, CFD, Haematocon, Kendocon, APICON, CGP CON, Internal Medicine Update, TB & endocrinology quizzes, hemato-oncology quizzes, diabetology quizzes and myeloma meets.
  - Recipients of Dr V Parvathy Memorial Award, Dr Ahammed Siraj Memorial Original Paper Award, and multiple state-level quiz first prizes.

#### Research Projects & Clinical Trials

- Large number of MD thesis projects and departmental research across:
  - Infectious diseases (COVID-19, leptospirosis, dengue, snake bite, meningitis, organophosphorus poisoning).
  - Critical care and sepsis (albumin, D-dimer, troponin, cystatin C, inflammatory markers, nutrition and outcomes).

- Hepatology (cirrhosis, varices, CLD in females, SBP, chronic liver disease profiles).
- Haematology & oncology (ITP, myeloma, haematological malignancies, bleeding disorders).
- Cardio-metabolic disorders (hypertension, metabolic syndrome, MI in young, diabetes complications).
- Neurology (GBS, stroke, ataxia, meningitis outcomes).
- Major multicentric Phase III & IV clinical trials in collaboration with national and international sponsors on:
  - Newer insulins and antidiabetic agents (dulaglutide, insulin icodec, Gla-300, CagriSema).
  - Novel biologics and biosimilars (rituximab, abatacept, nivolumab).
  - Snakebite antidote (oral varespladib), crizanlizumab in sickle cell disease, decitabine-THU in SCD, Kyprolis (carfilzomib) in myeloma, AR-301 for VAP, BLU-5937 in chronic cough, etc.

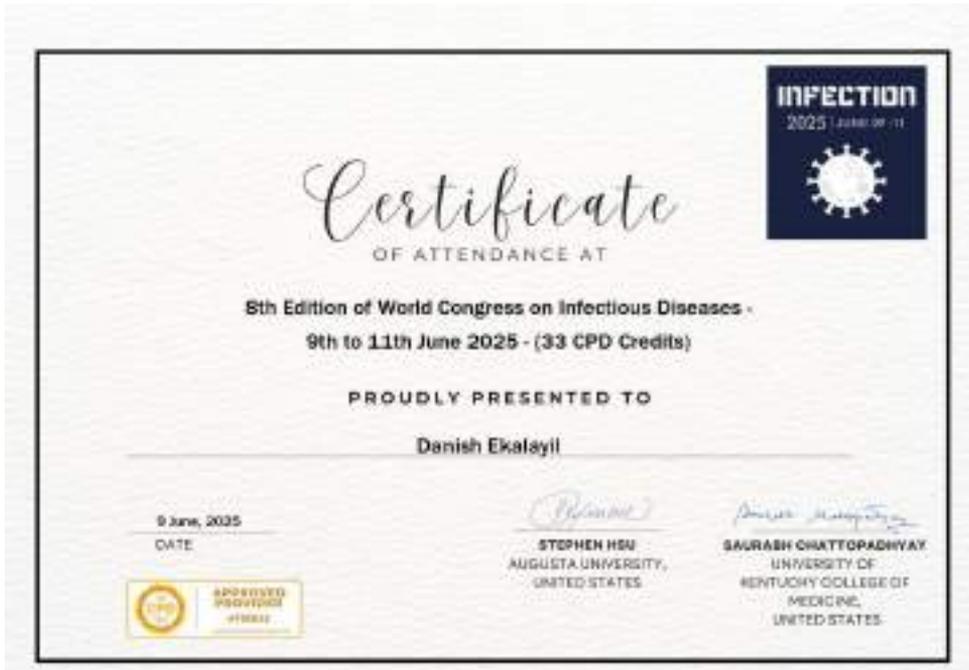
#### Doctoral Work

- PhD research ongoing/completed on:
  - Thyroid disorders in pregnancy in North Kerala.
  - Challenges faced in stroke after-care among the elderly.

Photos from the Department of Medicine of CME inauguration by the respected principal, faculty achievement & senior & junior residents presenting posters and papers in conferences and receiving prizes for competitions

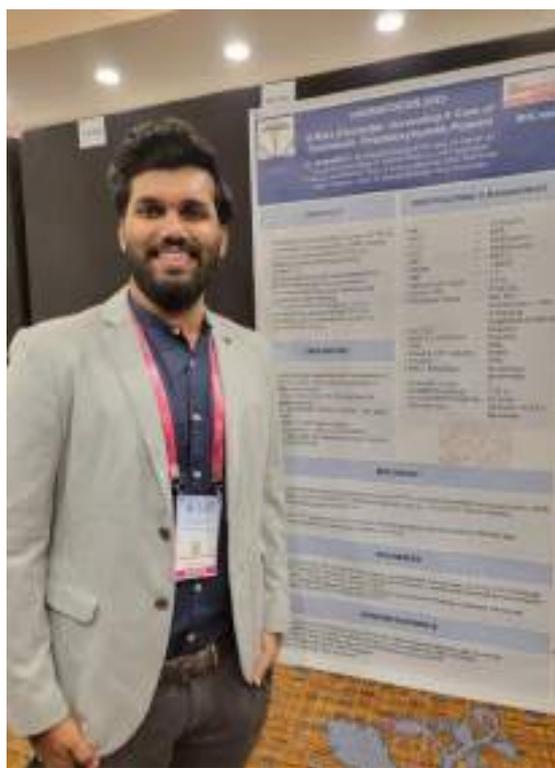
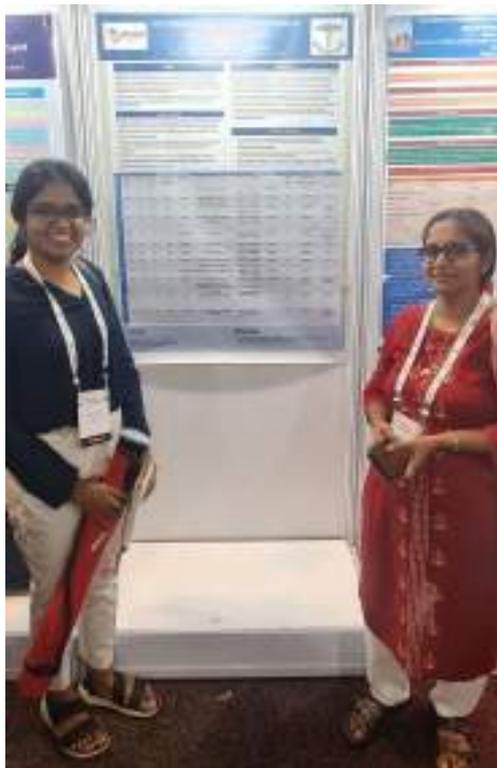




























### 3.9 Department of Nephrology

#### 🎓 Academic Programs

- BSc Dialysis Technology course started in 2020
  - 22 students per year
  - 1st batch University 1st Rank (KUHS): *Nafiha Mujeeb*

#### 🏆 DM Postgraduate Achievements

- Dr Krishnakumar K (DM PG)
  - 1st Prize – Quiz, NAKCON 2022
  - 2nd Prize – Free Paper, NAKCON 2022
  - Early Young Investigator Award – 2nd Prize, ISNSC 2023
  - University Topper (KUHS) – DM Nephrology Exam 2023
- Dr Gopika Gopal S (DM PG)

- 1st Prize – Poster, NAKCON 2024
- 1st Prize – Free Paper, ISNSCCON 2025
- Dr Dan Elizabeth Sunny & Dr Prasoon Sebastian (DM PGs)
  - 2nd Runner-up – Quiz, ISNSCCON 2023
  - Poster Presentation – World Congress of Nephrology (WCN 2025), New Delhi
- Dr Dan Elizabeth Sunny, Dr Prasoon Sebastian & Dr Jansher Roshen (DM PGs)
  - 1st Runner-up – Quiz, 8th Annual Renal Symposium & 17th Renal Clinical Conference 2025, CMC Vellore

Dialysis Centre Statistics (2016–2025)

**Table 3.2 Dialysis Centre Statistics (2016–2025)**

<b>Year</b>	<b>Total Dialysis Procedures</b>	<b>Total Machines</b>
2016	8,080	22
2017	8,833	22
2018	5,998	40
2019	19,375	40
2020	14,993	40
2021	15,121	42

Year	Total Dialysis Procedures	Total Machines
2022	17,853	42
2023	23,647	48
2024	39,363	48
Oct 2025	37,962	48

#### Renal Transplantation Milestones (2012 - Till Date)

##### Total Kidney Transplants Performed

- Live Related Kidney Transplants: 491
- Deceased Donor Kidney Transplants: 72

##### Impact at a Glance

- One of the leading renal transplant centres in Kerala.
- Consistent expansion of transplant services and post-transplant care.
- Strong coordination with KNOS (Kerala Network for Organ Sharing) for deceased donor transplants.
- Government Medical Colleges, including GMCK, provide these life-saving surgeries at highly subsidized cost / free of cost for poor and financially vulnerable patients, ensuring equitable access to advanced renal care.

### 3.10 Department of Neurosurgery

1. KUHS verification successfully completed for increasing MCh Neurosurgery seats from 2 to 4.
2. Ten endoscopic spine surgeries performed in the past year, marking advancement in minimally invasive spine care.
3. Functional new Neurosurgery Department in the PMSSY Block, featuring:
  - Dedicated Head Injury ICU (6 beds)
  - Step-down ICU (8 beds)
  - Separate waiting areas for ICU and ward bystanders
  - Separate male and female restrooms for bystanders
4. Eight ventilators are fully functional, strengthening critical care capacity.
5. Dedicated academic infrastructure in PMSSY Block:
  - Seminar room
  - Demonstration room
  - Examination hall
6. Ward bed strength: 21 beds each for male and female neurosurgical patients.
7. Well-structured departmental facilities including:
  - Faculty rooms
  - Separate PG resting room
  - Separate Senior Resident resting room
8. Performing complex brain and spine surgeries for patients referred from across Kerala, establishing the unit as a major tertiary care center.

### 3.11 Department of Nuclear Medicine

MD Nuclear Medicine

- 2020: Proposal submitted for starting MD Nuclear Medicine

- 2021: Request submitted for NOC & Essentiality Certificate
- 2024:
  - Essentiality Certificate obtained
  - Consent of Affiliation granted by KUHS for MD Nuclear Medicine (annual intake: 2 seats)
- 2025:
  - NMC Permission obtained for starting MD Nuclear Medicine
  - Awaiting NMC Letter of Permission (LOP)

#### B.Sc. Nuclear Medicine Technology (NMT)

- 2020: Proposal submitted for starting B.Sc. Nuclear Medicine Diploma Course
- 2023: Permission obtained from Government of Kerala to start B.Sc. Nuclear Medicine
- 2024:
  - Provisional Affiliation from KUHS for 6 seats (Academic Year 2024–25)
  - Course commenced on 15 November 2024
- 2025:
  - AERB approval received on 8 January 2025

#### Publications (2020–2025)

*(Author from Department: Dr. Vivek Mathew James)*

1. Diagnostic Performance of O-RADS MRI Scoring System for Adnexal Masses – Prospective Cohort Study  
*Journal of Clinical and Diagnostic Research*, 16(4): TC11–TC16  
April 2022
2. Long-term Effects of <sup>177</sup>-Lutetium Labelled Somatostatin Analogues in Progressive Neuroendocrine Tumors – A Retrospective Study

*International Journal of Pharmaceutical and Clinical Research*, 15(7): 600–608

30 June 2023

3. Impact of Respiratory-Gated 4D PET/CT on Motion Correction for Lesions Near the Diaphragm – Cross-sectional Study

*Indian Journal of Nuclear Medicine*

17 August 2024



### 3.12 Department of Ophthalmology

#### 1. Major Instruments & Clinical Utility

Table 3.3 Major Ophthalmology Instruments and Their Clinical Applications

Instrument	Procedure / Purpose
Vitreoretinal Surgical Machine	For advanced vitreoretinal surgeries in various retinal disorders.
Retinal Green Laser Machine	Treatment of diabetic retinopathy and other retinal diseases requiring laser therapy.
USG B-Scan	Diagnosis of vitreoretinal and orbital pathologies.
Non-mydriatic Fundus Camera	Documentation of retinal diseases.
Portable Autorefractometer	Assessment of refractive error in bedridden patients and children.
Autorefractometer	Assessment of refractive error in OPD.
Ophthalmic Microsurgery Video Recording Unit	Recording & monitoring of surgical procedures for postgraduate training.
Refraction Chair Unit	Patient positioning for refraction and treatment.
Automated Perimetry (HFA)	Field analysis in glaucoma and neurological disorders.
IOL Master	Non-contact biometry for IOL power calculation.

## Corneal Transplant Services – GMCK (2019–2025)

**Table 3.4 Corneal Transplant Services at GMCK (2019–2025)**

Year	Corneas Collected	Corneas Used
2019	92	23
2020	24	6
2021	20	4
2022	74	17
2023	74	11
2024	70	12
2025	60	9
Total	414	82

## Achievement Note

The Ophthalmology Department of Government Medical College, Kozhikode has shown sustained progress in corneal donation and transplantation activities. Between 2019 and 2025, the department collected 414 donor corneas and utilized 82 for sight-restoring keratoplasty procedures. Strengthening of eye donation initiatives and enhanced surgical capacity have enabled GMCK to remain a significant contributor to corneal transplant services in the region.

**2. Faculty Achievements**

Dr. Arunkumar A (Professor & HOD)

- Appointed Vice Principal (2023 onwards)
- Governing Council Member, KUHS (from May 2025)

Dr. Ranjini K (Professor)

- RMO, GMC Kozhikode (2019–2022)
- Deputy Superintendent, GMC Kozhikode (2022–present)
- Senate Member, KUHS (since 2022)

Dr. Padma B. Prabhu (Additional Professor)

- Convenor, NMC Regional Centre for Medical Education Technologies (from Jan 2024)
- Member, RCMET (since July 2016)
- FAIMER Fellow (2020)
- ACME (2019)

### 3. Student Achievements

B.Sc. Optometry

- Arunima M.S. – 2nd Rank, KUHS (2022)

DOA 2nd Year (2023–2025 Batch)

- 2 Distinctions
- 3 First Class

### 4. Publications (Selected, 2021–2025)

*(Grouped by author for clarity)*

Dr. Babitha V (2022) – International

- Clinical profile & MRI features of Duane Retraction Syndrome – *Oman Journal of Ophthalmology*

Dr. Sandhya S

- Subliminal transscleral cyclophotocoagulation in uncontrolled glaucoma
- Digital eye strain among medical students during COVID-19  
*(All publications from Government Medical College, Kozhikode)*

Dr. Charmaine Bridgette Solomon

- Awareness of diabetic retinopathy among diabetics – *Kerala Journal of Ophthalmology* (2021)
- OCT evaluation of ethambutol-induced ocular toxicity – *Kerala J Ophthalmol* (2021)
- Rare presentation of ocular tuberculosis – *Kerala J Ophthalmol* (2022)

Dr. Silni Chandra (2021) – National

- *Fundus camera for all* – JMSCR, 2021

Dr. Sanaa Mohammed K

Published multiple papers (2021–2022) including:

- Descemet's membrane detachment – *DJO 2021*
- Visual loss in diabetes – *Journal of Clinical Ophthalmology & Research*
- Ethambutol ocular toxicity studies – *Kerala Journal of Ophthalmology*

Dr. Ferzana Mohammed

Key publications include:

- Duane Retraction Syndrome – *Oman J Ophthalmology* (2022)
- Cyclophotocoagulation in uncontrolled glaucoma – *Indian J Ophthalmology* (2022)
- Digital eye strain – *Kerala J Ophthalmology* (2021)
- Retinal hemangioblastoma in VHL – *IJO Case Reports* (2021)
- Winner: Dr. S. Mohandas Award in Glaucoma, KSOS 2021

Dr. Aparna Ravi

- Penetrating corneal fishhook injury—*IJO 2022*
- Risk factors in ROP in late preterms – *JCOR 2023*
- ARMD case-control study – *JCDR 2023*

Dr. Aswathy R (2021–2025)

- Multiple presentations at KSOS Drishti & Cochin Ophthalmic Club
- Published *IOP changes in RRD – Kerala Journal of Ophthalmology (2025)*

## 5. Presentations in CMEs & Conferences (Selected)

KSOS Drishti (2023)

- Papers on glaucoma, retinal disorders, orbital disease
- Posters on CCF, lens subluxation, dermoid cyst, corneal infections

AIOS / Midterm AIOS (2023)

- MOG optic neuritis, lateral rectus palsy, phacocele, VHL lesions

ICON (GMC Kozhikode)

- 2023 – Neuro-ophthalmology Update
- 2024 – Glaucoma Update

## 6. Mobile Ophthalmic Unit

A key initiative to reach underserved rural populations.

Services include:

- Screening for cataract, glaucoma, diabetic retinopathy
- School eye screening camps
- On-site refraction and patient counselling

## 7. Future Requirements

A. Renovation of Eye OPD – Rationale

1. Increasing patient load from five northern districts of Kerala
2. Need for modernization & expansion of existing infrastructure
3. Improved patient comfort, accessibility, and flow
4. Compliance with safety/accreditation standards

5. Integration of digital & diagnostic technologies
6. Enhancing staff efficiency
7. Creation of future-ready, modular eye-care spaces

#### B. Upgradation of Ophthalmology OT

- Current infrastructure outdated; requires modernization to meet modern infection-control standards
- Integration required for new phaco/vitreotomy/laser units
- Improved sterile layout, airflow, zoning
- Essential for handling increasing surgical load
- Mandatory to meet NABH/WHO accreditation norms
- Enhances training environment for residents and medical students

### 8. Academic Training Responsibilities

#### MBBS Students

- 250 students per year (Phase II & III postings)

#### Paramedical Courses

- B.Sc. Optometry – 22 students per batch (4 years)
- DOA – 10 students (2 years)

#### Current Limitation:

Inadequate classroom and restroom infrastructure for simultaneous training of MBBS, BSc Optometry & DOA students.

Photo Gallery

CME- Update on Glaucoma - 2024



**Fig 3.15 CME update on Glaucoma (2024)**

CME- Neuro-ophthalmology update- 2023



**Fig. 3.16 CME- Neuro-ophthalmology update (2023)**

**KSOS Drishti 2023**



**Fig 3.17** Faculties of instruction course KSOS Drishti 2023



**Fig. 3.18** Faculties of instruction course KSOS Drishti 2022

## Mobile Ophthalmic Camp



Fig. 3.19 Mobile ophthalmic camp

### 3.13 Department of Orthopedics

#### 1. Clinical Services & Specialty Clinics

The department has been providing comprehensive orthopaedic care with multiple long-standing specialty clinics:

- Club Foot Clinic – 20 years of continuous service
- Deformity Clinic – 20 years
- Paediatric Orthopaedic Clinic
- Calicut Spine Course
- Calicut Illizarov Course
- Calicut Upper Limb Trauma Course
- Calicut Arthroscopy Course
- Calicut Arthroplasty Course
- Calicut Ortho Course – 21 years

These clinics have contributed significantly to patient care, research, and training.

#### 2. Academic Programs

Undergraduate (UG)

- 250 MBBS students per year
- Structured teaching with theory & clinical postings
- Frequent internal theory and practical assessments

Postgraduate (PG)

- 12 MS Orthopaedics seats per year
- Extensive training in trauma, arthroplasty, arthroscopy, spine, paediatrics, deformity correction, and sports medicine
- Regular seminars, journal clubs, case discussions & skills training sessions

### 3. Surgical Workload

The department routinely performs a wide range of major and advanced procedures:

- Joint Replacement Surgeries
- Arthroplasty
- Arthroscopy Procedures
- Spine Surgeries
- Knee Replacement
- Hip Surgeries
- Complex Trauma Surgeries
- Scoliosis Surgeries
- Ilizarov Surgeries
- Nerve Release Procedures
- Tendon Release & Tendon Transfer
- Tumor Surgeries
- Sports Injury Management

### 4. Academic Achievements & Research

- Numerous national and international publications from faculty and postgraduate students.
- Faculty members serve as office bearers in regional, state, and national orthopaedic associations, contributing to professional leadership and academic advancement.

### 5. Awards & Distinctions

Faculty Awards

- Best Teacher Award 2023 – *Dr. Raju K*
- Best Doctor Award 2024 – *Dr. Sibin Surendran*

- Also received AANA International Travelling Fellowship 2025
- Best Doctor Award 2025 – *Dr. Aneen N. Kutty*

#### Student Achievements

- University Second Rank (MS Ortho) – 2021: *Dr. Puneeth K. Pai*
- University First Rank (MS Ortho) – 2022: *Dr. Harshith H. Udupa*
- PG students participated in state & international orthopaedic conferences and won gold medals in quiz competitions.

### 6. Student Assessment Methods

- Regular internal theory exams, spotters, viva voce
- Frequent practical and OSCE-based evaluations
- Continuous assessment contributing to overall academic performance

### 3.14 Department of Pathology

#### 1. Undergraduate Academic Achievements

Professor Ramachandran Memorial Gold Medal (State-level MBBS Competition – Top 10 Ranks)

- 2020 – I, III, IV, VII & VIII Ranks
- 2022 – I, IV & VI Ranks
- 2024 – III, IV, VII & VIII Ranks

These results reflect the consistently strong performance of undergraduate students in Pathology at the state level.

## 2. Postgraduate Performance (MD Pathology)

**Table 3.5 Year-wise Postgraduate Academic Performance in MD Pathology**

Year	2020	2021	2022	2023	2024	2025
Pass %	100%	100%	100%	100%	100%	100%
First Class	-	3	6	5	4	8

University Ranks (KUHS MD Pathology):

- 2022 – 5th Rank: *Dr. Vanipriya*
- 2023 – 5th Rank: *Dr. Ashna Asgar*
- 2025 – 5th Rank: *Dr. Najila Cherikkal*
- 2025 – 10th Rank: *Dr. Hima A*

## 3. PG Academic Output – Posters & Papers

Selected Posters (Residents):

- 2023 – *Spindle cell lesions of thyroid – case series* – Dr. Aswathy Raj
- 2023 – *Nevoid basal cell carcinoma – case report* – Dr. Thanooja M K
- 2024 – *Genodermatosis: “It is not all fun in the sun”* – Dr. Aswathy R V
- 2024 – *Renal cortical necrosis in hump-nosed pit viper* – Dr. Saranya R

Selected PG Papers:

- 2023 – *Her2 and p53 in gastric adenocarcinoma* – Dr. Swathi Raj
- 2023 – *Prevalence of post-mortem incidental pituitary pathology* – Dr. Harsha
- 2023 – *ALK expression in non-small cell lung carcinoma* – Dr. Fathima Roofa C H
- 2025 – *Encapsulated follicular patterned thyroid lesions – clinico-pathological & IHC study* – Dr. Dhanusree V
- 2025 – *COX-2 expression in colorectal carcinoma* – Dr. Najila Cherikkal

- 2025 – *INSM1 expression in gastroenteropancreatic neuroendocrine tumours* – Dr. Swaroop B S

Other Resident Publications (examples):

- *An unusual case of COVID-19 enterocolitis with promyelocyte arrest and pancytopenia* – Dr. Haniyya
- *Primary bone lymphoma masquerading as Langerhans cell histiocytosis* – Dr. Najila Cherikkal

#### 4. Awards, Prizes & Quiz Achievements

IAPM Awards (National / State levels)

Prize winners in poster, paper & case presentation categories across multiple years:

- Posters:
  - 2022 – *Dr. Jerin*
  - 2024 – *Dr. Ashna Ali, Dr. Aswathy R V*
- Papers:
  - 2020 – *Dr. Sreeja A*
  - 2022 – *Dr. Nahla Ummer*
  - 2023 – *Dr. Swathi Raj*
- Case Presentations:
  - 2022 – *Dr. Kadheeja Farhath*
  - 2023 – *Dr. Vidya Lakshmi*
  - 2025 – *Dr. Sabira T P*

Other CME / Conference Prizes:

- Hemat Vision CME, MMC – 1st Prize Poster – *Dr. Athira V Menon*
- GU PATH 25, MMC – 1st Prize e-poster – *Dr. Athira S*

Quiz Prizes (Pathology-related CMEs):

- GIT CME, KMCT – 1st prize: *Dr. Ashna Asgar*, 2nd prize: *Dr. Hiba T*
- GIT CME, KMCT – 1st prize: *Dr. Najla Cherikkal*, 2nd: *Dr. Dhanusree V*, 3rd: *Dr. Sandra Joseph*

## 5. Major Departmental Projects & Research Initiatives

MRU-Linked Projects (Pathology Co-investigators):

- HER2 scoring in breast carcinoma using CAP-based IHC standards – *Dr. Purnendhu T. Murali*
- Clinico-pathological & molecular characterization of G6PD-deficient children and first-degree relatives – *Dr. Hamna C T*
- Histological categorisation of thyroid follicular lesions with BRAF testing in diagnostic dilemma – *Dr. Keerthana Manoj*

MRU Projects (Department-Wide):

- Geoepidemiology of SLE – clinico-serological update from North Kerala – *Dr. Geethu G Nair*
- Association of Kikuchi-Fujimoto disease with rickettsial infection – *Dr. Nobin Babu*
- Genetic analysis of rare hemoglobinopathies diagnosed by HPLC – *Dr. Umasankar*

## 6. Molecular Diagnostic & Sickle Cell Centre

Molecular Diagnostic Lab (MDL) & Centre of Competence (CoC) in Sickle Cell Disease



**Fig 3.20 Advanced Molecular Diagnostic Laboratory inaugurated by Smt.Veena George, the Hon'ble Health Minister- 2022**

- Establishment of an Advanced Molecular Diagnostic Laboratory (AMDL), inaugurated in 2022 by the Hon'ble Health Minister.
- Development of a Centre of Competence in Sickle Cell Disease at GMC Kozhikode, focusing on:
  - Advanced diagnostics, treatment plans & regular monitoring
  - Hub-and-spoke model for tribal populations
  - Integration with Dharti Aaba Janjatiya Gram Utkarsh Abhiyan Scheme

## 7. Faculty Development & Academic Roles

Advanced Course in Medical Education (ACME):

- Dr Geethu G Nair – 2022
- Dr Saji Francis – 2024

Recent Courses / Workshops attended:

- Online renal pathology course (GlomCon, Jan 2025) – *Dr Geethu G Nair*
- Hands-on workshop in Interphase FISH (Feb 2025) – *Dr Geethu G Nair*
- Online Dermatopathology course (MEU India, 2025) – *Dr Lakshmi Priya C P*

Professional Memberships (selected):

- National IAPM – multiple faculty
- ISRTP – *Dr Saji Francis, Dr Bindu C S, Dr Geethu G Nair, Dr Umasankar*
- Life member – IAP-ID, Neuropathology Society of India, Indian Society of Neuro-Oncology – *Dr Aparna Govindan*

## 8. Conferences, Workshops & CME Contributions

Department-organised National / State Events:

- CALIPATH 2023 & 2024 – National-level PG training workshops in Pathology
  - Faculty panel across almost all senior staff
- Kerala IAPM State Chapter Meeting – 2025 – Hosted by the department

Key Roles:

- Organising Secretaries:
  - CALIPATH 2023 – *Dr Saji Francis*
  - CALIPATH 2024 – *Dr Ambika V*
  - Kerala IAPM 2025 – *Dr Saji Francis*

Faculty as Moderators / Speakers / Chairpersons:

- Free paper session moderators – Kerala IAPM (2023) – *Dr Aparna Govindan, Dr Saji Francis*
- Speaker – Oncopath 2023 (Rajagiri Cancer Center) – *Dr Aparna Govindan*
- Chairperson – Liver Pathology Conference, AIIMS Andhra Pradesh 2025 – *Dr Saji Francis*
- Moderator – Internal Medicine Update CME 2025 – *Dr Nobin Babu*

Faculty Posters / Papers:

- 2023 – Poster at National IAPM, AIIMS New Delhi – *Dr Saji Francis*
- 2024 – 1st Prize Poster – Liver Pathology Conference, AIIMS AP – *Dr Saji Francis*

- 2024 – Poster at National ISRTP, Jodhpur – *Dr Geethu G Nair*
- 2025 – Paper at IAPM Kerala State Chapter – *Dr Lakshmi Priya C P*

### 9. Ongoing Initiatives

- Centre for Competence in Sickle Cell Disease – operational and expanding
- Virtual Pathology Museum – under implementation to support undergraduate and postgraduate teaching



**Fig 3.21 Paper presentation - IAPM Kerala chapter August 2022**

Best paper presentation by Dr. Nahla Omer and best case presentation by Dr. Kadheeja FarhathT (Junior residents) - IAPM Kerala chapter August 2022



**Fig 3.22 Dr. Vidyalakshmi, Junior Resident- Best Case presentation IAPM – Kerala Chapter February 2023**



**Fig 3.33 Prize winner IAPM poster presentation-2023**



**Fig 3.34 IAPM Case presentation, 1<sup>st</sup> Prize- Dr. Sabira T P**

### 3.15 Department of Microbiology

*Safeguarding Kerala through science, surveillance & rapid outbreak response*

#### NIPAH Testing at RVRDL Dept of Microbiology



**Fig 3.36 Nipah testing at RVRDL Dept of Microbiology**

#### 1. Leading Kerala's Fight Against Nipah & Emerging Pathogens

##### Rapid Outbreak Detection & Containment

- First responders for Nipah outbreaks in 2023, 2024 & 2025, ensuring quick diagnosis and immediate public health action.
- Continuous surveillance for JE, West Nile, Mpox, Amoebic Meningoencephalitis, Influenza, VHF, ARI/SARI, and many more high-risk pathogens.
- Active collaboration with NIV Pune, ICMR, State IDSP, and the National One Health Programme.

##### High-risk Testing & Biosafety Strengthening

- Regional VRDL at GMCK performed hundreds of Nipah RT-PCR tests with precision and zero breach.
- Conducted biosafety & PAPR training for 71 healthcare workers, enabling safe outbreak handling.
- BSL-3 laboratory construction in progress — targeted to operationalize by 2026.

## 2. Major Institutional Achievements

### National Recognitions

- Commendation by the Government of Kerala for timely detection of the Nipah outbreak (2023).
- Appreciation for Regional VRDL at the National VRDL Conclave, New Delhi (2025).
- Best Performing SA-ICTC Centre award for 2024–25.
- Awarded the best performing centre award among SA ICTCs for 2024-25

#### APPRECIATION AWARD FROM HON. HEALTH MINISTER SMT. VEENA GEORGE



**Fig 3.37 Appraisal for Regional VRDL, Department of Microbiology during the National VRDL conclave at New Delhi**



**Fig 3.38 ICTC team receiving best performing centre award among SA-ICTCs 2025**

**NABL Accreditation**

Grant of the accreditation as per ISO 15189:2022

HIV Testing laboratory (ICTC) 2025



**Fig 3.39 HIV Testing laboratory (ICTC) received NABL accreditation**

## NTEP (C& DST) Mycobacterium tuberculosis –NABL Accreditation 2025



**Fig 3.40 NABL accreditation for NTEP (C& DST), Mycobacterium tuberculosis testing laboratory**

### Quality Milestones

- **NABL Accreditation (ISO 15189:2022)**
  - HIV Testing Laboratory (ICTC) – 2025
  - NTEP C&DST Laboratory for *Mycobacterium tuberculosis* – 2025



### 3. Infrastructure Expansion & Research Leadership

Major Projects Approved / Under Implementation

- ICMR-approved IRDL (Infectious Disease Research & Diagnostic Laboratory) – on-site inspection completed; first-year budget sanctioned.
- Establishment of BSL-3 Lab for high-risk pathogen testing.
- Recognized as:
  - Sentinel Surveillance Site for Zoonotic Diseases (NOHP-PCZ)
  - AMR Surveillance Centre – NCDC
  - Designated Viral Load Centre (HBV & HCV)

Surveillance Networks (State & National)

- Pan-India Surveillance for Respiratory Viruses, AES, Dengue Serotypes, Hemorrhagic Fever Viruses, Mpox, Zika, SARS-CoV-2 genomics.

### 4. Training Impact (2021–2025)

Capacity Building for Kerala's Healthcare Workforce

- Multiple hands-on training sessions on Biosafety, Nipah diagnostics, PAPR use, PCR techniques, molecular testing, Flow Cytometry, TrueNat, BioFire Multiplex NAAT.
- State-wide programs on Infection Control, Antimicrobial Resistance, Zoonotic Diseases, and Tuberculosis updates.
- MICROCAL 2025 launched as an annual academic event on microbial threats.



## 5. Outbreak Investigations at a Glance (2021–2025)

**Table 3.6 Year-wise Outbreak Investigations and Causative Pathogens**

Year	No. of Outbreaks Investigated	Pathogens Identified
2021	1	SARS-CoV-2
2022	1	Japanese Encephalitis
2023	2	JE, Nipah
2024	12	Nipah, JE, WNV, Mpox, RSV, Hepatitis A, Mycoplasma, Measles, Mumps, Leptospira
2025	3	Nipah, Amoebic Meningoencephalitis

## 6. Academic & Research Excellence

Ongoing ICMR & Collaborative Research

- AES surveillance
- Respiratory virus surveillance
- Hemorrhagic fevers (KFD) preparedness
- Dengue serotyping
- Nipah monoclonal antibody development
- Serosurveillance for Nipah high-risk contacts
- Measles viral load dynamics
- Post-exposure Rabies immunity
- Flow Cytometry-based AST validation

### Strong Postgraduate Research Portfolio

(HPV prevalence, invasive fungal infections, AES in children, Acinetobacter in adults, CRBSI profiling, etc.)

### Extensive National & International Publications

30+ publications in J Med Virology, Front Public Health, PLOS Global Public Health, BMC Infectious Diseases, IJMR, and other peer-reviewed journals.

## 7. Community & Public Health Engagement

- Awareness campaigns during World Antimicrobial Awareness Week, World AIDS Day, and Infection Control Week.
- Health outreach through OISCA Migrant Suraksha Project.
- Regular sensitization programs for clinicians, staff, and students.

### Microbiology Department: The Silent Shield of GMCK

From pandemic response to cutting-edge diagnostics, the Department of Microbiology has been central to Kerala's public health resilience. Its unwavering commitment to rapid outbreak containment, research excellence, and biosafety capacity-building has positioned GMCK as a national leader in infectious disease management.

## 3.16 Department of Pediatrics

### 1. Flagship Academic Programme

#### Intensive Clinical Training Programme in Pediatrics (ICTPIP)

- Conducted every year for the past 20 years.
- Prestigious national-level clinical training programme for exam-going postgraduate students.
- Attracts delegates from all over India.
- Sessions handled by eminent faculty and DNB examiners from across the country.

- Widely regarded as a high-impact academic exercise and “academic feast” for postgraduate trainees.

## 2. Academic Activities (One Year Summary)

- Clinico-pathological conference (CPC) : 1
- Clinical seminars (recent advances) : 12
- Journal clubs : 33
- Case presentations : 86
- Group discussions : 120
- Guest lectures : 41
- Death audit meetings : 24 (12 + 12)
- Symposia : 12

### Major Academic Events / CMEs Conducted

1. RESPICON – December 2023
2. ENDOCON – April 2024
3. IAP Advanced Life Support Course – 15–17 March 2024

## 3. Research and Publications (2020–2025)

The department has maintained a strong research output across pediatric endocrinology, obesity & cardiometabolic risk, infectious diseases, immunology, neurology, neonatology and genetics. Selected publications include:

1. Carotid intima–media thickness and cardiometabolic risk in children with overweight/obesity – *Sabitha S Pillai, M Vijayakumar, Ajitha Balakrishnan.*
2. Metabolic syndrome in children with overweight and obesity – *Int J Contemp Pediatr, 2024.*
3. Non-alcoholic fatty liver disease in overweight/obese children – *Indian Journal of Pediatrics, 2024 (online).*

4. IAP Consensus statement on management of children with Down syndrome – *Indian Pediatrics, 2023* – Co-authored by *Dr Madhava Vijayakumar* and team.
5. Vitamin D status in children on anticonvulsant therapy – *Indian Journal of Pediatrics, 2022*.
6. Microalbuminuria and cardiometabolic risk factors in obese children – *Journal of Obesity & Weight Loss Therapy, 2021*.
7. Clinical features and genetic variants of MVK gene in Hyper IgD Syndrome – *PLOS ONE, 2020*.
8. Diphtheria outbreak in children – clinical profile – *2022*.
9. Factors contributing to non-identification of bacterial meningitis in febrile infants – *SAGE Open Medical Case Reports, 2024*.
10. MRSA infection in children – prospective study – *Panacea J Med Sci, 2023*.

#### 4. Formative (Periodic) Evaluation

- Theory examinations – every 6 months
- End-posting examinations – every 3 months
- Bedside clinical skill evaluation – weekly

These structured assessments ensure continuous monitoring of clinical competencies and academic progress of postgraduates.

#### 5. Participation in National Programmes & Conferences

- Dr Aarushi Manu – National Training of Trainers on Dengue, Chikungunya and JE (NVBDCP), 2023.
- Dr Geetha P – Panelist in two Pediatric Rheumatology sessions at National IAP Conference (Pedicon) 2024, Kochi.
- Dr Krishnan C – National Pediatric Nephrology Conclave, SAT Hospital, Thiruvananthapuram, November 2024.
- Dr M P Jayakrishnan – Pedicriticon 2024, Chennai.

- Dr M Vijayakumar, Dr Mohandas Nair K – National Pedicon 2024, Kochi.

## 6. PG Examination – External Examiner Participation

Faculty served as external examiners for MD/DCH examinations at:

- Government Medical Colleges: Manjeri, Idukki, Thrissur, Wayanad
- KMC Manipal, Mysore Medical College, IGICH Bengaluru, Yenapoya Medical College
- JIPMER (Women & Children Hospital, Puducherry)
- Rajarajeswari Medical College, Bengaluru

(Details year-wise as provided: May 2021, Nov 2021, June 2022, July 2023, Feb 2024, Feb 2025, July 2025.)

## 7. Postgraduate Results (2021–2025)

The department has maintained excellent examination outcomes:

**Table 3.7 Session-wise Postgraduate Examination Performance (2021–2025)**

Session	Exam	Candidates	Passed	Failed
May 2021	DCH	9	9	0
May 2021	MD	8	8	0
Nov 2021	DCH	2	2	0
June 2022	MD	7	7	0
June 2022	DCH	2	2	0
July 2023	MD/DCH	17	17	0
Feb 2024	MD	3	3	0
Feb 2025	MD/DCH	17	16	1
July 2025	MD/DCH	4	4	0

Overall, the pass percentage has remained consistently high, with almost all batches achieving 100% results.

## 8. Research Projects & Funded Initiatives

1. DBT–NIDAN Kendra, Government Medical College, Kozhikode
  - Principal Investigator: *Dr Mohandas Nair, Professor of Pediatrics*
  - Funding: ₹1,16,00,000 (DBT, Govt of India)
  - Type: Single-centre project
  - Initiated: July 2025
2. Newborn Screening for Severe Inborn Errors of Immunity – Phase I Pilot Study
  - PI: *Dr Geeta M Govindaraj, Professor of Pediatrics*
  - Funding: KUHS Extramural, Multicentric
  - Grant: ₹41,97,600
  - Fund received: 2024
3. Study on Polio and Non-Polio Enterovirus Infections in Primary Immunodeficiency Disorders (PIDs) – Phase II
  - Coordinating centre: ICMR–NIV, Mumbai Unit
  - Local PI: *Dr Geeta M Govindraj*
  - Type: ICMR Extramural, Multicentric
  - Status: Completed (2023)
4. FPID–NIMS Regional Diagnostic Centre for Primary Immunodeficiency (PID)
  - Funding agency: FPID (USA-based charitable organisation)
  - PI: *Dr Geeta M Govindaraj*
  - Type: Single-centre, 5-year project
  - Total Funding: ₹25,00,000

- Status: Ongoing

## 9. Undergraduate Enrichment & Awards

- Gold Medal for Best UG Student in Pediatrics – selection via separate departmental test.
- IAP UG Quiz (2024)
  - 2020 MBBS batch students Afreen & Ferin – First Prize in IAP UG Quiz, divisional round (North Kerala).

## 10. PG & Resident Prizes and Awards

Recent Achievements (selected):

1. Dr Namitha S
  - 1st Prize – Poster, Nephrocon 2025
  - 3rd Prize – Poster, Calfilm Conference 2023
2. Dr Lisna Anver & Dr Akshaya
  - 2nd Prize – Endodiabcon Quiz 2024
3. Dr Muli Nikhil Reddy
  - 2nd Prize – Poster, Ped Neurocon, Feb 2025
  - 3rd Prize – Immunization Quiz, IAP Kozhikode, March 2025
  - 3rd Prize – Pediatric marrow quiz, CMC Kozhikode, July 2025
4. Dr David Ruben & Dr Jayakrishnan S
  - 1st – S-IAP Breastfeeding Quiz (Intercollege)
  - 2nd – Poster, PedEndocon
  - 3rd – Poster, Kids Criticon
  - 2nd – Poster, Tellypedicon

5. Dr Hafsa Haneena

- 3rd Prize – Poster, Ped Kendocon, Oct 2024

6. Dr Emil Joy

- 2nd – Poster, Pedicon 2014
- 2nd – Paper, Nephrocon 2015
- 3rd – Calneocon Quiz

7. Dr Jose J

- 1st – Case presentation, National Hemato-Oncology Conference, May 2024 (Amrita Hospital)
- 3rd – Immunization Quiz, IAP Kozhikode, March 2025
- 4th – Quiz, Neurocon, Kolenchery Medical College, June 2024
- 1st – Pediatric marrow quiz, CMC Kozhikode, July 2025

8. Dr Afra P V

- 1st – Poster, National Pediatric Nephrology Conclave, Nov 2024
- 1st – Paper, Calneocon National Neonatology Summit, May 2025

9. Dr Manjusha S R

- 1st – Poster, Kidnutricon 2025 (IAP)

## 11. Service Innovations & New Initiatives

1. Adolescent Clinic – Started in 2020, providing dedicated adolescent health services.
2. Creation of Department of Neonatology – April 2022
  - Initially with 2 Assistant Professors in Neonatology.
3. Mother Newborn Child Unit (MNCU) – First of its kind in Kerala
  - Inaugurated in January 2023.
4. MBFHI Certification – 2023

- Institute received Mother and Baby Friendly Hospital Initiative certification.
5. Human Milk Bank / Comprehensive Lactation Management Centre (CLMC)
- First such facility in a Government teaching medical college in Kerala.
  - Inaugurated on 17 September 2021 at IMCH, Kozhikode.
6. Neonatology as Nodal Centre for FPNC Training
- Department of Neonatology functions as a nodal centre for Facility-Based Newborn Care (FPNC) training.

### **3.17 Department of Physiology**

Academic progress report (2020–2025)

#### **1. Introduction**

The Department of Physiology at Government Medical College, Kozhikode, is actively involved in undergraduate and postgraduate teaching, research, and academic mentoring. Over the last five years, the department has shown strong performance in university examinations, research output, and conference participation, with multiple university rank holders and prize-winning residents.

#### **2. Research & Publications**

Faculty members have published extensively in peer-reviewed journals in the domains of thyroid disorders, diabetes, pulmonary function, neurophysiology, oxidative stress, metabolic syndrome, and medical education.

Between 2020 and 2024, more than 20 original articles and observational studies have been published in journals such as the *National Journal of Physiology, Pharmacology and Pharmacology, International Journal of Medical Reviews and Case Reports* and other indexed journals, reflecting active academic engagement and clinically relevant research.

### 3. Postgraduate (MD Physiology) Research & Results

- Multiple MD dissertations have been completed on autonomic function, nerve conduction, pulmonary function, cognition in diabetes, obesity-related changes, electrophysiology, and cardio-metabolic associations.
- Ongoing PG research focuses on diabetes, hypothyroidism, electrophysiology, vascular complications, work-related exposure, and inflammatory markers.

MD Result Highlights (KUHS):

- 2020–23 batch – 3 appeared for regular exam (July 2023);
  - Dr Sandra Christina George – KUHS 2nd Rank.
  - Supplementary exam (Feb 2024): Dr Nasna C P – University Topper (MD Physiology).
- 2021–24 batch – 3 candidates:
  - Dr Mahroosa C – 1st Rank
  - Dr Anoosha K – 2nd Rank
  - Dr Anjana C S – 3rd Rank
- 2022–25, 2023–26 and 2024–27 batches are in various stages of training, with two candidates due for exams in November 2025.

### 4. Achievements of Residents

Residents have secured multiple state and national prizes in:

- Oral and poster presentations (ACPKON, CONNEXION, PREPARE, APTCON, local CMEs).
- Pedagogy/teaching skill competitions (SRMC, PREPARE).
- National-level quiz competitions in Physiology and related disciplines.

They have also achieved DNB Gold Medal, top ranks in DM entrance (AIIMS Patna), and repeated podium finishes in academic CMEs.

## 5. Undergraduate Academic Performance (MBBS – Physiology)

### First Year MBBS Examinations (KUHS)

**Table 3.8 Undergraduate Academic Performance in Physiology (First Year MBBS – KUHS)**

Batch & Exam (Year)	Students Appeared	Passed	1st Class (All Subjects)	Physiology Toppers / Remarks
64th Batch (2020–21; Exam Feb 2022)	249	195	147	65 failed overall; 57 failed in Physiology; 18 distinctions
65th Batch (2021–22; Exam Feb 2023)	249	244	182	25 failed overall; 5 failed in Physiology; 31 distinctions
66th Batch (2022–23; Exam Nov 2023)	241	234	160	41 failed overall; 7 failed in Physiology; 19 distinctions
67th Batch (2023–24; Exam July 2024)	246	233	162	26 failed overall; 12 failed in Physiology; 40 distinctions
68th Batch (2024–25; Exam Aug 2025)	256	Result awaited	–	–

### UG Toppers & Achievements

- 2020–21 – Ms Binshitha P – College Topper in Physiology.
- 2021–22 – Ms Navya N Thomas – KUHS University Topper in Physiology.
- 2022–23 – Ms Tara Ann – KUHS University Physiology Topper.

- 2023–24 – Ms Reem Miras – College Topper in all subjects.

### **3.18 Department of Physical Medicine & Rehabilitation (PMR)**

#### **1. Research Activities (Ongoing & Recent)**

The department is actively involved in clinical, interventional and rehabilitation research, with multiple ongoing PG and faculty projects broadly covering:

- Musculoskeletal & Pain Medicine
  - Effectiveness of PRP in recalcitrant plantar fasciitis and knee osteoarthritis.
  - Prolotherapy vs PRP for sacroiliac joint dysfunction.
  - Autologous platelet-rich fibrin vs saline dressing in chronic venous leg ulcers.
  - Ultrasound-based assessment in plantar fasciitis, osteoarthritis knee, and tendon/ligament pathology.
  - Comparative studies on amniotic membrane and collagen dressings in chronic non-healing ulcers.
- Neurorehabilitation & Nerve Disorders
  - High-resolution ultrasound in chemotherapy-induced peripheral neuropathy and leprosy.
  - Studies on carpal tunnel syndrome (ultrasound parameters, nerve conduction, vibration perception thresholds).
  - Sonologic characteristics of spastic muscles in stroke survivors.
  - Peripheral neuropathy in hemophilia and prediabetes.
- Stroke, Cardiac & Systemic Rehabilitation
  - Depression, anxiety and dysphagia in stroke survivors.
  - Effect of cardiac rehabilitation in reduced ejection fraction post-MI; establishment and functioning of a cardiac rehab setup.
  - Pulmonary function and diaphragmatic ultrasound in spinal cord injury.

- Other Functional & Geriatric Studies
  - Muscle architecture and physical function in older adults.
  - Masticatory muscle ultrasound in orofacial pain.

These projects have strengthened the department's profile in interventional pain, neurorehab, wound care, and musculoskeletal ultrasound-based rehabilitation.

## 2. Publications

Faculty and residents have published multiple original articles and case series in indexed journals, including:

- Gait kinematics in spastic hemiplegic patients.
- Ultrasonological findings in multifidus muscle in chronic back pain.
- Clinical outcome of chronic leg and foot ulcers treated with PRF.
- High-resolution ultrasound in assessment of peripheral nerves in leprosy (*IJDVL*).
- Studies on CAD risk-related knowledge and prevention, COVID-19-related stroke, and low-cost intermittent negative pressure wound therapy in chronic ulcers.

Overall, more than 15 peer-reviewed publications in the last 5 years, with growing focus on ultrasound-guided interventions, disability rehabilitation and chronic wound care.

## 3. Academic Presentations & CME Activity

- Extensive participation at IAPMR National Conferences (IAPMRCON), Rehabcon, IMA AMS, JPEF, RSSDI, KOACON and various specialty CMEs.
- Multiple oral papers, posters, and case reports presented on:
  - PRP and prolotherapy in musculoskeletal conditions.
  - Spinal cord injury rehabilitation, disability certification, spasticity, and sports injuries.
  - Rare syndromes and complex rehab cases (Freeman–Sheldon syndrome, Morquio, CP mimics, CRPS, etc.).

- Dr Roy Ramachandran has been a highly sought-after speaker on:
  - Exercise in diabetes, obesity, CAD prevention, fitness in doctors, osteoporosis, lifestyle disease, and diabetic arthropathies.
- Faculty sessions include ultrasound-guided interventions, NCS/EMG, botulinum toxin workshops, stroke syndromes, neurogenic bladder, shoulder biomechanics, and limb salvage rehab.

#### 4. Workshops & CMEs Conducted

The department has organised and led:

- IAPMRCON 2020 (National Conference) at Kozhikode, including multiple workshops (basic & advanced MSK ultrasound, gait analysis, lifestyle disease, prolotherapy, Botox, cerebral palsy, etc.).
- Rehabcon mid-term state conference (Wayanad 2022) and Rehabcon state conference Kozhikode 2024.
- Regular hands-on workshops on:
  - MSK ultrasound and ultrasound-guided interventions.
  - Pediatric rehabilitation, Botox, swallowing and critical care rehab, diabetes rehab, and SMA-focused family education.
- Institutional research and MEU workshops with repeated faculty contributions from PMR.

#### 5. Faculty Positions, Fellowships & Honours

- Dr Muralidharan P. C.
  - Kerala State Chapter President, IAPMR (2021–2025).
  - National President, IAPMR (2025–2027).
- Dr Sreejith K
  - Faculty at multiple national meetings on MSK ultrasound and interventional procedures.

- Dr Mohanraj
  - Fellowship in Interventional Pain Management (FIPM), Delhi Pain Management Centre (2023).
- Dr Roy Ramachandran
  - Best Doctor Award 2023 – IMA Kozhikode.
  - Second Best Research Paper – IMA AMS National Conference 2023.
  - Best Research Paper & Gold Medal – IMA National Conference 2023.
  - Distinguished Alumnus Award, Platinum Jubilee, Govt. Medical College, Trivandrum (2025).

## 6. PG Academic Performance & Awards

- Multiple university ranks in PMR over successive years (including 1st, 2nd and 3rd ranks).
- Residents have secured state and national prizes for papers, posters and quizzes at:
  - IAPMRCON, Rehabcon, IAPMR state meetings, IMA AMS, and other specialty CMEs.
- Notable recent awards include:
  - IAPMR Dadhichi Award, best paper and poster awards at national and state PMR conferences.
  - Kerala IAPMR fellowship award for research (Rehabcon 2025).

## 7. Overall Summary

Over the last five years, the Department of PMR, Government Medical College, Kozhikode, has:

- Expanded clinical and interventional research, particularly in PRP/prolotherapy, ultrasound-guided pain procedures, neurological rehabilitation and chronic wound management.

- Demonstrated strong academic visibility through national-level presentations, workshops, and conference leadership.
- Achieved multiple university ranks, fellowships, best paper/doctor awards, and leadership positions in IAPMR at both state and national level.

### **3.19 Department of Psychiatry**

#### **1. Postgraduate Training (MD Psychiatry)**

- PGs admitted: 20 | Completed: 18 | Passed: 16
  - Distinction: 2
- University Ranks: KUHS 1st Rank (2021), 2nd Rank (2023)
- Theses completed: 18
- Academic exercises:
  - Case conferences – 240
  - Seminars – 224
  - Journal clubs – 120

#### **2. Research Activities**

- Ongoing theses: 12
- Ongoing research projects: 5
- Indexed publications: 15

#### **3. CME, Workshops & Awards**

- CME programmes: 1
- Workshops: 1
- Faculty participation: Regular invited speakers/chairs in state & national conferences.
- PG achievements: Multiple prizes for papers, posters & quiz competitions at state and national level.

- Major award: *Santhakumar Memorial Award* for Best Outgoing PG – received twice.

#### 4. Undergraduate Academics

- Faculty lectures: 70
- Daily clinical discussions for UG postings
- UG Quiz (IPS): State-level winners twice

#### 5. Selected Publications (Indexed Journals)

*(Representative list; full list may be appended separately.)*

- Domestic violence & mental health during COVID-19 – *Asian Journal of Psychiatry*, 2021
- PG perspectives on medical education during COVID – *IJPM*, 2022
- Disability assessment in TBI – *Kerala Journal of Psychiatry*, 2022 & 2023
- Delirium in older adults – *Kerala Journal of Psychiatry*, 2021
- Relapse predictors in schizophrenia – *Kerala Journal of Psychiatry*, 2023
- Case reports: Quetiapine-induced myoclonus, fluoxetine-related urinary retention, frankincense-induced mania
- RNFL thickness & cognition in schizophrenia – *IJPM*, 2024
- Scientific writing guidance – *Indian Journal of Psychiatry*, 2024

#### 3.20 Department of Transfusion Medicine & Immunohematology

Submitted application for starting Postgraduate Course in Transfusion Medicine.

1. Additional space allocated and developed for the department, including seminar room and faculty room.
2. Conducted training programmes for Medical Officers, Technicians and Blood Bank Counsellors (2023 & 2024).
3. Prepared KUHS-based timetables for BSc MLT and DMLT students.

4. Conducting regular PG teaching sessions for Pathology, Microbiology, Physiology and Biochemistry postgraduates.
5. Undertook departmental research studies and published research papers.
6. Submitted new research proposals for approval.
7. Conducted theory, practical and elective sessions for MBBS students.
8. Conducted theory and practical classes for BSc MLT and DMLT students.
9. Provided theory sessions for Dialysis Technology students.
10. Delivered Safe Transfusion Practices training for nurses of GMC Kozhikode.
11. Regular orientation sessions conducted for House Surgeons.
12. Regular orientation sessions for BSc Nursing students.

### **3.21 Department of Surgical Oncology**

The Department of Surgical Oncology successfully performed the first Cytoreductive Surgery with HIPEC (Hyperthermic Intraperitoneal Chemotherapy) in the Government sector in February 2025. The procedure was carried out for a 60-year-old woman diagnosed with pseudomyxoma peritonei.

CRS with HIPEC is a highly complex surgical intervention due to the extensive tumour debulking required, the specialised equipment needed to deliver heated intraperitoneal chemotherapy, and the intensive intra-operative and post-operative monitoring necessary to manage fluid–electrolyte shifts and ventilation.

For patients with pseudomyxoma peritonei—where the abdomen fills with mucinous ascites leading to pain, progressive distension, cachexia, and eventual death—this surgery represents the only definitive and potentially curative treatment option.

### **3.22 Department of Radiotherapy**

#### **I. Civil works**

1. Completion of Surgical Oncology Block

- Additional 7,500 sq. ft. ward and facilities completed, making the total Surgical Oncology block 15,000 sq. ft.
- Supports ~660 major surgical oncology cases per year.
- Cost: ₹2 crore.

## **2. Cancer Ward – 15,000 sq. ft. (Under Completion; expected June 2025)**

- Will eliminate the need for cancer patients to travel 2 km between the Tertiary Cancer Care Centre and general wards (39/42), significantly reducing patient hardship.
- Cost: ₹5 crore.

## II. Equipment & New Techniques

### 1. SGRT – Surface Guided Radiotherapy

- Enhances accuracy and reduces imaging time.
- Avoids rigid immobilization devices, improving patient comfort.
- First installation among Government Medical Colleges in Kerala (previously only at RCC).
- Cost: ₹1.5 crore.

### 2. New Techniques Introduced (2021 onwards)

- DIBH – Deep Inspiration Breath Hold for Breast Cancer
  - Reduces radiation dose to the heart and lungs.
  - First Government Medical College in Kerala to implement this technique.
  - Reduces long-term cardiac morbidity and mortality in breast cancer patients.
- Stereotactic Radiotherapy (SRT)
  - High-precision, high-dose treatment for small brain tumors, lung tumors, and liver cancers.
  - Only Govt. Medical College in Kerala with this facility.

### 3. Cobalt Source Installation (2022)

- New Cobalt-60 radioactive source installed in the Telecobalt unit.
- Received free of cost from the Department of Atomic Energy/AERB as recognition for safe radiotherapy practices.
- Approximate value: ₹75 lakhs (donated).

## CHAPTER 4

## HUMAN RESOURCE PROFILE IN MCH

## 4.1 HR Strength (Category-wise)—as of 31 march 2025

## Present Human Resource details

Table 4.1 Year-wise Details of Clinical and Non-Clinical Personnel (2013–2025)

S l N o	Catego ry	201 3	20 14	201 5	20 16	201 7	201 8	201 9	202 0	202 1	202 2	202 3	202 4	202 5
1	Princip al	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Vice Princip al	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>Medical College</b>														
1	Profess or	61	61	57	57	57	57	57	57	57	57	55	45	52
2	Associa te Profess or	65	65	67	67	68	68	68	68	66	68	68	59	58
3	Assista nt	322	322	317	317	317	319	319	319	321	319	319	260	285

	Profess or													
4	Lectur er	16	16	16	16	16	16	16	16	16	16	13	12	12
<b>Pharmacy College</b>														
1	Profess or	2	2	2	2	2	2	2	2	2	2	2	1	1
2	Associa te Profess or	4	4	4	4	4	4	4	4	4	4	4	4	4
3	Assista nt Profess or	13	13	13	13	13	13	13	13	13	13	13	10	10
<b>MLT Course &amp; Non-Medical</b>														
1	Assista nt profess or	6	6	6	6	6	6	6	6	6	6	6	6	6

	Non Medica l													
2	Audiol ogist cum Speech pathol ogist	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Assista nt Profess or of Audiol ogy	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Assista nt profess or -MLT	2	2	2	2	2	2	2	2	2	2	2	1	1
5	Tutor	3	3	3	3	3	3	3	3	3	3	3	3	2

**Table 4.2 Department-wise Distribution of Teaching Faculty**

<b>Department</b>	<b>Professor</b>	<b>Associate Professor</b>	<b>Asst. Professor</b>	<b>Lecturer</b>	<b>Total</b>
Anaesthesiology	1	3	24	1	29
Anatomy	2	2	10	1	15
Biochemistry	1	3	8		12
Cardiology	1	3	10		14
CVTS	1	1	7		9
Community Medicine	1	2	8		11
Dermatology	2	1	8		11
Emergency Medicine	1	1	2		4
ENT	1	2	9	1	13
Family Medicine	1	1	2		4
Forensic Medicine	1	1	6		8
Gastroenterology	1	1	3		5
General Medicine	4	5	19	1	29
Infectious Disease			1		1
General Surgery	3	5	22	1	31
Urology	1	2	6		9
Microbiology	2	3	11	2	18
Nephrology	1	1	2	1	5
Neurosurgery	1	1	10		12
Neurology	1	0	3		4

Nuclear Medicine	1	1	2		4
OB&G	3	6	28	1	38
Ophthalmology	2	2	9		13
Orthopaedics	1	3	11		15
Paediatric Surgery	2	2	7		11
Paediatrics	2	4	15		21
Pathology	3	4	12	1	20
Pharmacology	2	1	8	1	12
PMR	1		6		7
Physiology	2	2	13		17
Plastic Surgery	1	1	1		3
Psychiatry	2	1	8	1	12
Pulmonary Medicine	2	1	7		10
Radiodiagnosis	2	1	6		9
Surgical Gastroenterology	1	1	2		4
Radiotherapy	1	1	7		9
Transfusion Medicine	1	1	2		4
Neonatology			3		3
Surgical Oncology			3		3
Medical Oncology			2		2
Anatomy (Non-Medical)			2		2

Radiation Physics (Non-Medical)			1		1
Community Medicine (Non-Medical)			3		3
Rheumatology			1		1
Physical Education			2		25
<b>GRAND TOTAL</b>	<b>56</b>	<b>70</b>	<b>332</b>	<b>12</b>	<b>470</b>

#### 4.2 HR Strength (Institution-wise details)—as of 31 March 2025

**Table 4.3 Designation-wise Human Resource Status**

Sl No	Designation	Strength	Existing	Vacancy
	Senior Administrative Officer	1	1	1
	Accounts Officer	2	2	0
	Senior superintendent/Lay secretary	4	4	0
	Accounts Cum Purchase Officer	1	1	0
	Junior Superintendent	11	11	0
	Fair copy superintendent	1	1	0
	Clerk/Sr. Clerk	81	78	3
	Clerk Supernumerary	3	3	0

	Typist Supernumerary	1	1	0
	Confidential Assistant	13	13	0
	Driver	16	13	3
	Telephone Operator	4	4	0
	Sergeant	3	3	0
	Security Officer	1	1	0
	Medical Record Librarian	3	3	0
	Radiographer	39	39	0
	Optometrist	5	5	0
	Clerk Typist	6	5	1
	Clerical Attender/Library Attender	5	5	0
	Typist	12	12	0
	Medical Photographer	1	1	0
	Medical Record Superintendent	1	1	0
	Housekeeper	3	0	3
	Lab Technician	65	60	5
	Junior Lab Assistant	46	41	5
	Senior Technician	1	1	0

	Lab Technician Pharmacy	3	2	1
	Mortuary Technician	1	0	1
	Respiratory Technician	1	0	1
	Blood Bank Technician	9	9	0
	Lab Assistant (Dialysis)	4	3	1
	Nursing Officer/ Nursing Officer Gr I	782	768	14
	Senior Nursing Officer	140	140	0
	Deputy Nursing Superintendent	12	12	0
	Nursing Superintendent	6	4	2
	Chief Nursing Officer	2	2	0
	Boiler Attendant	2	1	1
	Chemist	1	0	1
	CSR Technician	5	2	3
	Dark Room Assistant	3	0	3
	Dialysis Mechanic Operator	1	0	1
	Junior Public Health Nurse	2	2	0
	Plumber	1	0	1
	Radium Technician	1	0	1

Tailor	2	0	2
Theatre Mechanic	2	2	0
Theatre Technician	3 or 2	1	2 or 1
Anaesthesia Technician	5	5	0
Office Attendant	25	23	2
Watch man	8	7	1
Part-Time Sweeper	131	117	14
Full-Time Sweeper	35	35	0
Animal Attendant	1	0	1
Sweeper-cum-Attendant	1	0	1
Van Cleaner	2	2	0
Mazdoor	2	2	0
Helper	2	2	0
Bottle Cleaner	2	2	0
Lascar	1	1	0
Enquiry Assistant	2	1	1
Gardner	5	1	4
Sanitary worker	1	0	1

	Female Physiotherapy assistant	2	2	0
	Sweepar cum Animal keeper	1	0	1
	Junior Research Officer	1	0	1
	Senior Scientific Officer	1	0	1
	Senior Scientific Assistant- Anatomy	1	1	1
	Senior Scientific Assistant- Biochemistry	1	0	1
	Senior Scientific Assistant- Blood Bank	1	0	1
	Senior Scientific Assistant- Microbiology	1	0	1
	Senior Scientific Assistant- Physiology	1	1	0
	Scientific Assistant-Blood Bank	1	1	0
	Scientific Assistant-Nuclear Medicine	1	1	0
	Scientific Assistant- Occupational Therapy	2	2	0

Scientific Assistant- Physiotherapy	3	3	0
Artist	1	1	0
Artist Curator	1	1	0
Mortuary Attender	3	3	0
Carpenter	1	1	0
Curator	2	1	1
Cyto Technician	1	1	0
Cyto Technologist	1	0	1
EKG Technician	12	3 (Permanent) 6 (Temporary )	9
EEG Technician	2	1 (Permanent) 1 (Temporary )	1
EKG Attender (promotion post)	3	3	0
X-Ray Attender (promotion post)	9	7	2

Health Educator	2	2	0
Health Inspector Grade II	3	3	0
Health Supervisor	1	0	1
Junior Health Inspector Grade II	6	6	0
Senior Grade Librarian	1	1	0
Librarian Grade II	2	1	1
Librarian Grade III	1	1	0
Librarian Grade IV	1	1	0
Lift Operator	14	14	0
Lift Operator (Supernumerary)		1	
Pharmaceutical Chemist	1	1	0
Rehabilitation Technician (Leather)	8	8	0
Rehabilitation Technician (Orthotics)	6	6	0
Rehabilitation Technician (Prosthetics)	6	6	0
Overseer	8	8	0
Lineman	9	9	0

	Senior Store Officer	1	1	0
	Assistant Foreman	2	2	0
	Foreman	2	1	1
	Mechanic	2	1	1
	Pharmacist Storekeeper (promotion post)	2	1	1
	Pharmacist	40	40	0
	Refrigeration Mechanic	2	1	1
	AC/Refrigeration Supervisor	1	0	1
	Theatre Assistant (promotion post)	2	2	0
	Modeller	1	1	0
	Electrician	2	2	0
	Asst. Professor in Audiology	1	1	0
	Speech Pathologist & Audiologist	1	1	0
	Assistant Professor in Pharmacy	13	13	0
	Professor in pharmacy	2	1	1
	Assoc. Prof in pharmacology	1	1	0

Assoc. Prof in pharmacy General	1	1	0
Assoc. Prof in Pharmaceutical Chemistry	1	1	0
Assoc. Prof in pharmaceutics	1	1	0
Lecturer in Radiation Physics	2	2	0
Lecturer in Health & Education & Family Planning	1	0	1
Asst. Prof in Statistics & Demography	1	0	1
Chief Occupational Therapist	1	1	0
Asst. Professor in MLT Pathology	1	0	1
Asst. Professor in MLT Microbiology	1	0	1
Tutor Tech MLT-Biochemistry	1	1	0
Tutor Tech MLT-Microbiology	1	0	1
Tutor technician MLT- Pathology	1	1	0
Clinical Psychologist	1	1	0
Prosthetic & Orthotic Engineer	1	1	0

	Psychiatric Social Worker	2	1	1
	Medical Store Superintendent	2	2	0
	Medical Isotope Radio Technician	1	1	0
	Biomedical Engineer	1	1	0
	Senior Residents	66	66	0
	Senior Residents (Accommodated in the vacancy of Assistant Professor)	67	67	0
	Senior Resident (On Contract basis)	6	6	0
	Hospital Attender	57	57	0
	Other Attender	2	2	0
	Nursing Assistant	315	315	0
	Hospital Attendant Gr1	138	138	0
	Hospital Attendant Gr2	268	168	100
	Barber	2	1	1
	Dhobi	15	0	15

## CHAPTER- 5

### HEALTH INFRASTRUCTURE DEVELOPMENT

#### 5.1 Developments done in the last 10 years

##### Major Constructions and Photos

##### PG Resident Quarters

To provide adequate accommodation facilities to resident doctors of Govt. Medical College, Kozhikode, a new flat type residents quarters is constructed through the Public Works Department, utilizing Rs. 12.44 crore allotted from Plan fund. The building can accommodate 60 families. All the civil work of the building including lift is completed.



### Lecture theatre Complex

Construction of three storied Lecturer Theatre Complex was completed and inaugurated in the year 2018 in order to accomplish the requirements as per the MCI guidelines for the admission of 250 MBBS students in a year. The building comprises 6 class rooms for 250 students, 2 class rooms for 150 students and 4 class rooms for 50 students and many other facilities like skill lab etc., are also included in the building. The project was completed by utilizing Rs. 10 crore allotted under Plan fund.



## PMSSY Block



The PMSSY project of Govt. Medical College Kozhikode started with the intention to render advanced diagnostic and treatment facilities to the poor patients depending on Govt. Medical College, Kozhikode. On completion of the super specialty surgical block it is expected to be a boon to the patients of four districts and will provide tertiary health care to the region at an affordable cost, if not free. The total outlay of the project is ₹195.93Cr. in which central share was ₹120 Cr. and state share was ₹75.93 Cr., i.e, 60: 40 ratio. The project started on 12.07.2017 with a stipulated date of project completion on 11.04.2019, later completion date revised as 31.12.20. A seven storied (G+6) building is designed to accommodate seven Surgical Super Specialties, 19 Operation Theaters, 9 Intensive Care Units IPD, faculty area, and service facilities. CCTV system, data system, PA system, lifts etc., are available in the proposed building for making the building a patient friendly hospital. The following departments are included in the project.

1. Anesthesiology
2. Cardiovascular and thoracic surgery
3. Emergency Medicine
4. Plastic Surgery
5. Urology
6. Neuro Surgery
7. Surgical Gastroenterology

PMSSY Surgical Super Specialty & Casualty Block was inaugurated and started functioning on 04.03.2023.

### **Drug Store-**

The modernization of the Drug Store, was carried out in two phases with a total allocation of ₹400 lakh; ₹300 lakh as per GO(Rt) No. 3319/2016/H&FWD dated 14.12.2016 and ₹100 lakh as per GO(Rt) No.1832/2018/H&FWD dated 07.06.2018, has been successfully completed and is now ready for inauguration. The objective of this project was to enhance the storage, management, and distribution of essential medicines and medical supplies in a more efficient, safe, and organized manner. The upgraded facility is designed to support improved inventory control, ensure the quality and accessibility of drugs, and strengthen the overall healthcare delivery system. This modernization initiative reflects the commitment to providing high-quality healthcare infrastructure and ensuring timely availability of medicines to patients.

### **Tertiary Cancer Care Centre**

The Tertiary Cancer Care centre was constituted under the NPCDS scheme of the 13th financial scheme. Central Govt. sanctioned an amount of ₹25.03 Cr. after accepting the AERB layout plans of the linear accelerator machine and the building plan of the centre.

The present building consists of three floors:

Basement consists of radiation oncology equipments housing area mainly linear accelerator, CT simulator and treatment planning area. Area. 10000 sq feet

The ground floor contains the OPD for Medical Oncology, Radiation Oncology, Surgical Oncology and Palliative care. The ground floor is equipped with the chemo day care rooms, the offices, Labs and refreshment areas also. The total area is 15000 sq feet.

The first floor consists of surgical oncology, operation theatres, Intensive Care Units, pre-operative rooms, and post-operative rooms. The total area is 10000sq feet.

The work was completed in October 2018. Medical Oncology and Surgical Oncology Departments are functioning in this building effectively. An amount of ₹ 2Cr. has been sanctioned under the capital head for the Financial Year 2019-20 for constricting an additional floor in the existing building and the work has been completed.



### **Non-Gazetted Officers' Flat**

The construction of Non-Gazetted officers' flat to provide accommodation to Non-Gazetted officers of Govt. Medical College and attached hospitals have been completed and allotted to staff. The building is constructed by using ₹30 crore allotted under the plan fund and can accommodate 90 families.



### **Gazetted Officers' Flat**

The construction of Gazetted officers' flat to provide accommodation to Gazetted officers of Govt. Medical College and attached hospitals have been completed and allotted to staff. The building is constructed by using Rs.15 crore allocated under plan fund and can accommodate 36 families.



## Paramedical Hostel



Construction of Paramedical Hostel was completed and inaugurated on 23.09.2019 to provide adequate accommodation facilities to Paramedical Students of Govt. Medical College, Kozhikode. The Public Works Department was the implementing agency of the project.

## Ladies' Hostel



Since one old block of ladies' hostel was dismantled for the construction of PMSSY Phase III Super Specialty Block, a new ladies hostel was constructed by the Public Works Department utilizing the Plan fund to provide adequate accommodation facility to MBBS students, and the hostel is being allotted to students.

Dormitory for Bystanders- IMCH



## Viral Research & Diagnostic Laboratories (VRDL)



The Virus Research and Diagnostic Laboratory (VRDL), a Biosafety Level II (BSL-II) facility, was established at Government Medical College, Kozhikode by the Department of Health Research (DHR) under the scheme “Establishing a Network of Laboratories for Managing Epidemics and Natural Calamities.”

During this period, the State VRDL was upgraded to a Regional-level VRDL as the establishment of a BSL-III laboratory was sanctioned by DHR in December 2018. The construction work, being implemented by CPWD, is currently in progress and about 80% of the work has been completed, with overall completion expected by February 2026. Procurement of the required equipment for the BSL-III facility is also underway.

## Skywalk



A skywalk connecting the MCH, Super Specialty Hospital, and PMSSY Surgical Super Specialty Hospital at Government Medical College, Kozhikode, was successfully completed and inaugurated on February 7, 2022, by the Hon'ble Minister for Public Works and Tourism, Shri. Mohammed Riyas. The facility was opened for use by patients and staff, ensuring safe and convenient access between the hospitals.

The project was completed at a total cost of ₹2 crore, with financial support from Bharat Petroleum Corporation Limited (BPCL) and the Kozhikode Medical College Alumni Association. The skywalk has greatly improved inter-hospital connectivity, enhancing patient care and operational efficiency.

## Examination Hall



The construction of a new Examination Hall at the rear side of the Aurora building was undertaken with a total outlay of ₹13 crore, funded under the Plan Fund as per GO (Rt) No. 1040/2018/H&FWD dated 28/03/2018. The initiative was part of a strategic infrastructure enhancement aimed at addressing the growing academic needs of the institution.

The primary objective of the project was to provide a modern, spacious, and well-equipped facility to conduct examinations in a streamlined and comfortable environment. The newly constructed hall has the capacity to accommodate up to 750 students simultaneously, significantly easing space constraints during examination periods and enabling efficient invigilation and student management.

The construction work has been successfully completed as per the approved specifications and standards. The hall is now fully equipped and ready for use. Final preparations are underway for the official inauguration, following which the facility will be open for academic use, marking a major milestone in the institution's infrastructure development efforts.

### **Building Construction exclusively for Stroke Centre under Neuro Medicine**



The construction of a building exclusively for a Stroke Centre under the Department of Neuro Medicine is being carried out with a total allocation of ₹5 crore from the Plan Fund, as sanctioned through GO (Rt) No. 1954/2018/H&FWD dated 19.06.2018. The project is aimed at establishing a specialized facility to provide comprehensive and focused care for stroke patients, equipped with dedicated infrastructure to support diagnosis, treatment, and rehabilitation.

The construction work is progressing steadily. Major structural components have been completed, and the installation of wall tiles, UPVC doors, and windows is currently underway. Ceiling work and interior painting are also in progress, marking the final stages

of the construction. Upon completion, the Stroke Centre will significantly enhance the hospital's capacity to deliver advanced neuro care services with greater efficiency and patient comfort.

### PET Scan

With the objective of establishing an advanced diagnostic facility to meet the growing needs of cancer patients, Kozhikode Medical College Hospital initiated the procurement of a PET-CT scanner. The project was made possible with financial support from the Medical College Hospital Development Society and through a bank loan, following the necessary administrative approvals. The scanner was procured and installed at a total cost of ₹9.94 crore. Previously available only in the private sector, the installation of this advanced



diagnostic equipment in a government medical college has significantly improved access to quality cancer diagnostics for economically disadvantaged patients, thereby facilitating timely and effective treatment.



### Drug Store

The modernization of the Drug Store, carried out in two phases with a total allocation of ₹400 lakh, in which ₹300 lakh was allotted as per GO(Rt) No. 3319/2016/H&FWD dated 14.12.2016 and ₹100 lakh as per GO(Rt) No.1832/2018/H&FWD dated 07.06.2018. It has been successfully completed and is now ready for inauguration. The objective of this project was to enhance the storage, management, and distribution of essential medicines and medical supplies in a more efficient, safe, and organized manner. The upgraded facility is designed to support improved inventory control, ensure the quality and accessibility of drugs, and strengthen the overall healthcare delivery system. This modernization initiative reflects the commitment to providing high-quality healthcare infrastructure and ensuring timely availability of medicines to patients.



Medical ICU





### Geriatric Ward



### New ICU Block at ICD



### Basket Ball Court



**Additional Block at Psychiatry Department**



New CATH Lab





**CATH Lab Yearly Statistics 2021 to 2024**

Year	Procedures	
	MAJOR	MINOR
2021	2340	1205
2022	3997	1573
2023	4137	1591
2024	4060	1859

**Equipments Procured during 2021-22**

<b>Sl No</b>	<b>Equipment Name</b>	<b>Year</b>	<b>Status</b>
1	Auto Retracto kerato Meter	2021-22	Installed
2	Vertical Plasma Freezer -40 Degree	2021-22	Installed
3	Hematology Analyzer	2021-22	Installed
4	X-RAY 50 KW	2021-22	Installed
5	HD Laparoscopic set with instruments	2021-22	Installed
6	Computerized radiography	2021-22	Installed
7	CO2 Analyzer for New born	2021-22	Installed
8	HD Arthroscopic System	2021-22	Installed
9	Vacuum Pump	2021-22	Installed
10	OT light LED Dual Dome with Camera	2021-22	Installed
11	Video Intubating Bronchoscope Model-B	2021-22	Installed
12	Litho Clast Pneumatic Ultrasonic with suction	2021-22	Installed
13	Ultrasonic cutting & coagulation with radio frequency vessel sealing system	2021-22	Installed

## Equipments Procured during 2022-23

SI No	Purpose	Dept	No. of units	Amount in Rs
1	High Frequency X-Ray unit 50 KW	Radio diagnosis	1	1160429
2	Extra Corporeal Shock Wave Lithotripsy (ESWL)	Urology		11872000
3	Purchase of Fully Automated Biochemistry analyser Model A	ICD		1307489
4	Heart lung machine	CVTS		8400000
5	Instruments for VATS (Video Assisted Thoracic surgery)	CVTS		4000000
6	Instruments for MICS(Minimally invasive cardiac surgery)	CVTS		5000000
7	Multipara monitor with central monitoring system	Pulmonary Medicine	1	1733760
8	CO2 laser system for newborn with tracheal	ENT & Paediatrics	1	10000000
9	High speed electrical neuro drill system - Micro motor for ENT Model B (Spine surgery burr system)	Orthopaedics	1	794646
10	HD Arthroscopy System	Orthopaedics	1	2296342
11	Purchase of Multipara monitor	Cardiology		1231835

15	purchase of Video Intubating Bronchoscope	Surgical Oncology		1821445
16	Purchase of Electronic Insufflator, Trolley for Arthroscopy system and Medical Grade FHD Monitor	O&G		508146
17	Purchase of Crash cart	MCH	70	1386000
18	Light source and camera -Cystoscopy	Paediatric Surgery		612057
19	Installation of Medical gas pipeline	General medicine - MICU		1208226
20	Up gradation of GI mortality system	Medical Gastroenterology		850000
21	purchase of stretcher trolley and wheel chairs	MCH		1493217
22	Purchase of Point of Care ultrasound with Echo Probe	General Medicine		900000
23	Purchase of Ultrasonic cutting & coagulation with radio frequency vessel sealing system	Urology		1369461
24	Purchase of Flexible Ureter scope	Urology		704000
25	Purchase of instruments for Quanta laser system	Urology		1450000

26	Purchase of Tissue embedding station	Pathology		1200000
27	Purchase of Tympanometry	ENT		585900
28	purchase of Telescope 30 degree	Urology		223937
29	ICU Cot	General Medicine	10	1398300
30	Anaesthesia work station	Ophthalmolog y		1169280
31	Purchase of ICU cot electro hydraulic	Ophthalmolog y		700000
32	Purchase of Ultrasound Color Doppler Portable Type D			806400
33	Purchase of Stereotactic System	Neuro surgery		6000000
34	Purchase of Power drill - Medtronic	ENT		625000
35	Purchase of Endoscopic System- Pituitary and Cranial	Neuro Surgery		1236955
36	Purchase of Manikin	Paediatrics		829616
38	Anaesthesia work station	Anaesthesia	2	2338560
39	Portable green laser console with LIO end laser	Ophthalmolog y	1	1596000
40	Stereotactic system	Neuro surgery		6000000

41	Multipara monitor with capnogram and IPM	Cardiology	4	1205139
42	Autoclave	CSR-MCH		5534205
43	Purchase of High Frequency X ray machine	Radiodiagnosis	1	882560
48	Purchase of CRRT	Nephrology		1386780
56	Purchase of cleaning machine for cleaning of hospital premises	MCH		2000100
57	Purchase of Multipara monitor	Covid Hospital PMSSY	8	1039360
62	Multipara Monitor with capnogram and IPM	Gynaecology	2	602570
66	Multipara Monitor (5 Para) with central monitoring system	Gynaecology	8	1260168
67	Anaesthesia Machine	Gynaecology	2	1257993
68	Ultrasound machine with colour Doppler	Gynaecology	1	1144001
69	Purchase of Fully Body ALS Manikins	Emergency medicine		841339
73	Portable ventilator	Radiotherapy		1276800

## Equipments Procured during 2023-24

Name of Item	Dept.	Qty	Amount (in Rs)
Multipara monitor with anaesthetic gas monitoring	Anaesthesiology	2	15,40,000
Bispectrol index monitors	Anaesthesiology	2	10,00,000
4K Laparoscopic system	Surgical gastroenterology	1	80,00,000
Lithuoclast pneumatic ultrasonic with suction	Urology	1	28,01,999
USG with colour doppler	Radio diagnosis	1	35,00,000
X-Ray machine with fluoro and IITB	Radio diagnosis	1	32,00,000
Retinal green laser	Ophthalmology	1	45,00,000
Multipara monitor with non invasive continuous Cardiac output	Anaesthesiology	1	6,72,000
Multipara monitor with non-invasive monitoring (2 or 3 channel) & capnogram	CVTS	3	0
Biphasic Defibrillator	Cardiology	1	3,00,000
ICU Cot	Surgical Oncology	6	25000

ICU cot	Surgical Oncology	10	700000
Fowlers Cot	Surgical Oncology	10	3,00,000
Hospital Cot with fowler's position and sid rail motorised	General Medicine	30	1164660
Specular Microscope	Ophthalmology	1	1000000
Laryngoscope with all sized blades	General Medicine	15	375000
ET CO2 Machine	General Medicine	1	99680
Laminectomy set	Neurosurgery	1	10,00,000
Micro instruments	Neurosurgery	1	12,00,000
Biosafety Cabinet-3 feet size	Biochemistry	1	3,50,000/-
Centrifuge	Dermatology	1	38,232
Laryngoscope-Video	Emergency Medicine	1	2,12,047
Dissection Set	Forensic Medicine	5	4,50,000
Tissue Flootation Bath	Pathology	1	6,60,000
Walk in cooler	Drug store MCH	3	36,00,000
Vacuum pump	Superspeciality	1	15,00,000
Surgical Diathermy with Bipolar cutting option	Plastic Surgery	1	6,00,000

Day care procedure operating table	Plastic Surgery	1	2,00,000
Operating Loupes	CVTS	1	1,00,000
Stereo Tactic Radio Surgery Immobilization Device	Radiotherapy	1	20,00,000
Lead aprons(double sided)	Gastro	3	1,20,000
CO2 insufflation system for endoscopy	Gastro	1	4,00,000
HD Laparoscopic system	Urology	1	17,00,000
Precision Weights (stamped) for Calibration	Biomedical Engineering		25,000
Steel Alamara with Separate Withdrawable Rack for Accessories	Biomedical Engineering	1	40,000
Compactible Spares – Medical Equipments	Biomedical Engineering		5,00,000
Patient Warmer	General Medicine	1	76000
Purchase of Cutting & Coagulation with radio frequency vessel sealing system	ENT		1616362
Purchase of Centrifuge	Pathology		43542
CAMC - Draeger SAVINA ICU Ventilator	Nephrology		156150

Advanced high end electrosurgical unit	Gynaecology	2	9,01,950
DVTSCP pump	Gynaecology	2	1,46,044
Head band Model prismatic magnifying loupe	Paediatric surgery	1	1,85,000
Colonoscope	Gastroenterology	1	20,00,000
Therapeutic upper GI Endoscopy system	Gastroenterology	1	30,00,000
Navigation system for knee replacement surgery	Orthopaedics	1	80,00,000
Video bronchoscope with video processor	Pulmonary medicine	1	22,00,000
Diffusion capacity for carbon monoxide device	Pulmonary medicine	1	42,53,000
Multipara monitor with Mainstream EtCO2 dual IBP	Anaesthesiology	1	11,20,000
4K ultra high definition camera endoscopy system	ENT	1	75,00,000
High end anaesthesia work station with advanced monitoring system	Anaesthesiology	1	31,25,584
Flexible intubating video endoscope	Anaesthesiology	1	25,00,000
IABP machine	CVTS	1	23,42,724

Laser machine for Vascular & anorectal procedures	General surgery	1	25,00,000
4K 3D Endoscopy system	General surgery	1	1,20,00,000
OT Light double dome	paediatric surgery	1	5,47,000
MRI compatible Portable Ventilator	General Medicine	1	16,11,297
HDR Brachytherapy applicator for HDR Brachy Machine	Radiotherapy	1	11,00,000
Air Conditioner 2 tonne for Library and class room	Radiotherapy	2	1,20,000

### Equipments Procured during 2024-25

Equipment Name	Year	Status
Heart Lung Machine (balance fund )	2024-25	Installed
Argon Plasma Coagulation system with Cautery Type B	2024-25	Installed
Laparoscopic HD Camera unit with Insufflator	2024-25	Installed
Plethysmograph(Body Box)	2024-25	Installed
Ultrasound Color Doppler Portable -Type D with Linear Probe Convex and Docking Station	2024-25	Installed
Laundry Machine	2024-25	Installed
transport VENTILATOR	2024-25	Installed

Advanced Life Support Skill Trainer TLS Simulator	2024-25	Installed
Full Body ALS Manikins	2024-25	Installed
4K Imaging System for Laparoscopy	2024-25	Installed
HD CAMERA SYSTEM FOR ENT	2024-25	Installed
Bispectral Index Monitors (BIS Dept )	2024-25	Installed
Navigation System for Knee replacement	2024-25	Installed

### Heart-lung machine

The heart-lung machine, more specifically a CPX Care Cardiopulmonary Bypass System, often used in cardiothoracic surgeries. It supports or takes over the function of the heart and lungs during procedures such as open-heart surgery by:

- Circulating and oxygenating blood outside the body (extracorporeal circulation),
- Maintaining body temperature, blood pressure, and blood flow,
- Allowing the surgeon to operate on a still and bloodless heart.

The monitor and control unit on top allows precise regulation of these functions. This kind of advanced machine plays a crucial role in life-saving cardiac procedures, particularly in tertiary care centers or cardiac specialty ICUs.



### **CO<sub>2</sub> Laser System for the Treatment of Airway Disorders in Newborns**

The Department of ENT at Government Medical College, Kozhikode, has implemented a project for the procurement of a CO<sub>2</sub> Laser System specifically intended for the treatment of tracheal disorders and respiratory distress in newborns. Administrative sanction for an amount of ₹111 lakh was granted as per G.O. (Rt) No. 1983/2021/H&FWD dated 13.09.2021. Of the total sanctioned amount, ₹100 lakh was allocated by the Government, and ₹11 lakh was sourced from KASP (Kerala Arogya Suraksha Padhathi) funds.

This advanced equipment is highly effective in the management of complex airway conditions in neonates, offering precision treatment with minimal tissue damage. The introduction of the CO<sub>2</sub> Laser System is expected to significantly enhance the department's ability to provide life-saving care for newborns with respiratory complications, thereby improving outcomes and reducing the need for more invasive surgical interventions.

## 5.2 Development Planned

### 1. Master Plan

As per G.O(P) No.7/2021/H&FWD Dated 20/01/2021, Government has accorded Administrative Sanction for Rs.1875037631/- excluding GST for Development of Govt. Medical College Kozhikode under KIIFB Aided Hospital Development Projects, for constructing new OP & Diagnostic Block at Govt. Medical College Kozhikode.

M/s HITES is the SPV of the project and M/s Archimedes India Pvt. Ltd is the Consultant of M/s HITES. M/s HITES is preparing DPR.



## 2. Isolation Block

Name of the Project	Isolation Block at Govt. Medical College Kozhikode
Capital Investment	25 Crore
Objective of the Project	Setting up of Isolation Block at Govt. Medical College Kozhikode,
Service given through the development project	The transmission of a majority of the common infectious diseases can be limited through segregation and isolation of suspects of infectious diseases.

As we are facing a number of emerging and re-emerging infectious diseases, it is prudent to strengthen the health systems. Conventionally, both infectious diseases and non-communicable diseases are managed in the same settings. This poses a high risk of hospital-acquired infections and may lead to community outbreaks. Kerala State has already witnessed such a situation during the outbreak of Nipah in May 2018. The case was similar during COVID-19, with outbreaks in hospitals and health facilities and a large number of health care workers affected. The transmission of a majority of common infectious diseases can be limited through segregation and isolation of suspects of infectious diseases.

In the above circumstances, Government of Kerala sanctioned an amount of Rs. 25 Crore in the Annual Plan Budget 2021-22 and accorded administrative sanction for the construction of a dedicated block in the Medical College to manage infectious diseases requiring airborne precautions and highly infectious diseases. The facility will be equipped to manage newly emerging infectious diseases like COVID-19, Nipah, Ebola etc. M/s HITES is the implementing agency of the Isolation Block. HITES has submitted the Detailed Project Report (DPR) to KIIFB, the funding agency, and approval from KIIFB is sought for implementing the project at the earliest.

### 3. Hemophilia Block

The special block being constructed at GMCK for persons affected by haemophilia will ensure comprehensive care for patients. The availability of factor concentrates required to control bleeding and the provision for immediate emergency treatment will be facilitated in this unit. This facility will support routine evaluations and significantly improve the quality of life of patients. As per Order NHM/5784/ENGG3/2022/SP MSU dated 16-08-2022, an amount of Rs. 1.64 crore was allotted for the project, and the work is nearing completion.

### 4. Critical Care Block

Under PM-ABHIM, an amount of ₹19.85 crore was sanctioned for the Critical Care Block as per Order No. F No. Z 15016/114/2021-NHM-II dated 10.03.2023. The Critical Care Block being established at Government Medical College Kozhikode (GMCK) will be a major relief for patients in the Malabar region who require intensive care. Equipped with state-of-the-art facilities and advanced medical equipment, this unit will enhance the chances of saving lives during emergencies and ensure faster access to specialised treatment. It will play a vital role in strengthening the regional health care system and in providing improved medical care to the general public.

### 5. Trauma Centre

As per the order GO (Rt) No 619/2018/H&FWD dated 23.02.2018, the Government of Kerala has accorded comprehensive administrative sanction for ₹20,23,14,750/- to Govt Medical College for implementation of the Scheme Capacity development for developing Trauma Care facility in Govt Hospitals located on National Highways” and released ₹5,04,00,000/- as Central Share from provision under the Head of Account 2210-05-105-62(P) and ₹3,36,00,000/- as State Share from provision under 2210-05-105-28(P).

#### ***Level-1 Trauma Care Centre in Government Medical College Kozhikode***

1. As per G.O.(Rt) No.2926/2019/H7FWD, dated 04/12/2019, Government has accorded Administrative Sanction for ₹8 Crore for the construction of Level-1 Trauma Care Centre in Government Medical College Kozhikode, under the plan Scheme Strengthening Of Trauma Care Facilities In Medical Colleges and allotted ₹7,98,91,000/- (Rupees Seven Crore Ninety Eight Lakh Ninety one thousand only)

under the head of account 4210-03-105-26-P. Accordingly, the allotted amount of ₹7,98,91,000/- (Rupees Seven Crore Ninety Eight Lakh Ninety one thousand only) was transferred credited to PWD for the commencement of the work.

2. As per G.O.(Rt) No.2407/2022/H&FWD, dated 02.10.2022, Government has accorded Administrative Sanction for ₹3 Crore for the construction of Level-1 Trauma Care Centre in Government Medical College Kozhikode under the plan Scheme Strengthening Of Trauma Care Facilities In Medical Colleges, and allotted ₹3,00,00,000/- (Rupees Three Crore only) under the head of account 4210-03-105-26-P. Accordingly, the allotted amount of ₹3,00,00,000/- (Rupees Three Crore only) was transferred credited to PWD for the commencement of the work and the construction work is progressing.

### **6. Construction of Building for Postpartum unit in IMCH**

Kozhikode Medical College's Maternal and Child Care Center provides services such as Perinatal OP, Sterilization OP, Temporary Contraceptive Counseling, Permanent and Temporary Termination of Fertility, and Male Sterilization as part of patient care.

In addition to the services mentioned above, sterilization surgery is performed every day. Two major operation theaters are essential for complex surgeries such as postnatal sterilization, male sterilization and keyhole surgery. Abortion, minor surgeries such as insertion of temporary contraceptive Copper-T, and removal of contraceptive Copper-T, a minor operation theater is necessary to do this.

Separate wards are needed for those coming for surgery, patients and congregants for post-operative care. Classrooms and a seminar hall are required for undergraduates, postgraduates and nursing students to take pregnancy planning related classes and seminars.

**As per GO (Rt) No. 2329/2018/H&FWD dated 20.07.2018, an amount of ₹1.1 crore was accorded administrative sanction for providing treatment, vaccination, and nutritional support to mothers and newborns during the first 42 days postpartum. Subsequently, as per GO (Rt) No. 2928/2023/H&FWD dated 07.11.2023, an additional amount of ₹2.5 crore was accorded administrative sanction.**

Based on the above sanctions, the construction works of the Postpartum Unit is currently in progress.

## **7. Construction of Student and House Surgeon Hostels**

Government Medical College Kozhikode (GMCK) is currently undertaking the construction of three major hostel facilities to address the increasing accommodation needs of undergraduate students, postgraduate trainees, and house surgeons. These hostel projects have received administrative sanction through multiple Government Orders issued by the Health & Family Welfare Department.

The Men's Hostel for 250 students is being constructed with administrative sanctions accorded through GO (Rt) No. 2928/2023/H&FWD dated 07.11.2023 for an amount of ₹3.5 crore, and GO (Rt) No. 3393/2016/H&FWD dated 28.12.2016 for ₹14 crore. These sanctions collectively support the development of essential residential facilities for male undergraduate students, addressing the pressing need for adequate hostel capacity on campus.

The Students' Hostel for Boys is progressing as per GO (Rt) No. 1922/2019/H&FWD dated 05.08.2019, which accorded an administrative sanction of ₹8.4 crore. This project aims to accommodate the increasing number of students admitted to various courses each year, ensuring safe and accessible living space within the campus.

The Hostel for House Surgeons is being constructed based on multiple administrative sanctions: ₹7.5 crore accorded through GO (Rt) No. 1620/2020/H&FWD dated 06.09.2020, and an additional ₹5 crore through GO (Rt) No. 2252/2021/H&FWD dated 20.10.2021. This facility is crucial for house surgeons who are required to remain on campus for emergency duties and patient care responsibilities.

These three hostel projects are being constructed to resolve long-standing accommodation shortages faced by medical students and house surgeons. The existing hostel infrastructure is insufficient to meet the growing intake of MBBS and postgraduate students, resulting in overcrowding, logistical difficulties, and compromised living conditions. The new hostels will ensure adequate, safe, and hygienic accommodation, enabling students to focus more effectively on their academic responsibilities.

Another key objective of constructing these hostels is to ensure the availability of essential on-campus residence for house surgeons and clinical trainees who are required to remain close to clinical departments for emergency duties, night calls, and patient care responsibilities. Improved residential facilities within the campus will contribute to better academic performance, enhanced clinical efficiency, and the overall wellbeing of the student community. These infrastructure developments are essential for maintaining GMCK's status as a leading medical institution and for supporting its expanding educational and clinical activities.

## CHAPTER- 6

### SPECIFIC PROGRAMMES

#### 6.1 Aardram Mission

Under the Aardram Mission, the Government sanctioned an amount of ₹7.15 crore for the implementation of OPD transformation at the Government Medical College, Kozhikode. In addition, an amount of ₹1.73 crore was allocated from the RSBY fund of Institute of Maternity and Child Health (IMCH) to support the completion of the project.

As part of the initiative, major infrastructure improvements were carried out, including the construction of primary waiting areas and the renovation of OP units at the Institute of Chest Diseases (ICD), the Institute of Maternity and Child Health (IMCH), and the Super Specialty Block. The project also included the development of toilet blocks, internal road works, and leveling of yards for parking facilities.

Furthermore, the renovation of key outpatient departments like Orthopaedics OPD, General Surgery OPD, General Medicine OPD, and Psychiatry OPD were successfully completed under the Aardram Mission, significantly enhancing the quality of outpatient services and patient experience.

#### Ortho OPD



## 6.2 Human Milk Bank

A Human Milk Bank has been established at Government Medical College, Kozhikode, with the aim of supporting the nutritional needs of newborns, especially preterm and low birth weight babies. After feeding their own babies, mothers can voluntarily donate surplus breast milk to the milk bank. This donated milk is then screened, pasteurized, and safely stored for use.

Mothers who are unable to produce sufficient breast milk for their babies can access this facility, ensuring that their infants receive the vital nutrients and antibodies essential for healthy growth and immunity. This initiative is particularly beneficial for preterm infants, as breast milk plays a crucial role in boosting their immune system, reducing infections, and improving overall outcomes.

The project is funded by the National Health Mission (NHM) and its setting up was successfully completed and inaugurated on 17th September 2021. The Human Milk Bank stands as a significant step forward in neonatal care, promoting both child survival and maternal health through safe and ethical breast milk sharing.

## 6.3 Molecular Diagnostic Laboratory (MDL)

The concept of a Molecular Diagnostic Laboratory (MDL) that can offer a comprehensive diagnostic service is gaining importance in the management of health. It has still not found a place in the government set-up, particularly in Government Medical Colleges.

Government Medical College, Kozhikode has taken the initiative in setting up an Advanced Molecular Diagnostic Laboratory and successfully implemented Phase 1 & 2 of the same. This was possible because an ICMR-DHR supported Multidisciplinary Research Unit (MRU) is already functioning at Govt. Medical College Kozhikode, with the full complement of scientists and technicians with expertise in research and development in Non-Communicable Diseases (NCDs). Hence the technology behind each advanced Molecular Diagnostic testing can be developed in house at MRU, and transferred to MDL which enables it to perform such tests in a cost-effective manner. The concept of MDL is the modernization of the diagnostic facilities in the Public sector

The objectives of the MDL are:

- To provide reliable molecular based tests at affordable rates for patients attending the public sector hospitals in Kerala
- To provide other high-end investigations not currently being done in the public sector.
- To train personnel in diagnostic molecular biology so that such facilities can be replicated elsewhere in the state
- To work in close collaboration with the Multidisciplinary Research Unit (MRU) so that research techniques developed at MRU can be translated into Clinical diagnostics.
- The MDL facility of Government Medical College is managed by IMCH-HDS and it works physically in collaboration with MRU.

Following advanced diagnostic tests are available to the public now:

1. Genetic test for Hyper IgD syndrome (MVK gene analysis, Sanger sequencing method). Affected families also will be carrier screened if required.
2. Carrier test (Genetic) for Hyper IgD syndrome
3. Genetic test for X-Linked Agammaglobulinemia (XLA) [Bruton's Agammaglobulinemia] (BTK gene analysis, Sanger sequencing method). Affected families also will be carrier screened if required.
4. Carrier test (Genetic) XLA
5. Genetic test for Hyper IgM syndrome. (CD40L gene analysis, Sanger sequencing method). Affected families also will be carrier screened if required.
6. Carrier test (Genetic) Hyper IgM Syndrome.
7. Genetic test for Von Hippel Lindau Syndrome. (VHL gene analysis, Sanger sequencing method). Affected families also will be carrier screened if required.

8. Genetic test for PLACK syndrome: (CAST gene analysis, Sanger sequencing method). Affected families also will be carrier screened if required.
9. EGFR test (real time PCR based)
10. BRAF test (real time PCR based)
11. HPV detection test (FFPE tissue/swab: real time PCR)
12. DiGeorge (FISH based) test
13. HER 2 (FISH based) test
14. Prenatal screening for 13/18/21 XY chromosome abnormalities. Fluorescence in situ hybridization (FISH) test on Amniotic fluid.
15. Prenatal screening (Karyotyping)
16. Sickle cell anemia (dried blood spot test, PCR based, specially for newborns)
17. Alpha-Thalassemia (PCR based)
18. Beta- Thalassemia (PCR based)
19. NBT test (Microscopy)
20. DHR test (Flow cytometry)
21. Tests for IgM (Nephelometry)
22. Tests for IgA (Nephelometry)
23. Tests for IgE (Nephelometry)
24. Tests for IgG (Nephelometry)
25. Lymphocyte subset analysis (Flow cytometry): for detecting several diseases.
26. Antinuclear Antibody (ANA) test: Immuno fluorescence based test for detection of autoimmune diseases.
27. Anti-DNA test (dsDNA): Immuno fluorescence based test for detection of autoimmune diseases.

28. Antineutrophil Cytoplasmic Antibody (ANCA) test: Immuno fluorescence based test for detection of autoimmune diseases.
29. Cardiolipin antibody test: ELISA based test for detection of autoimmune diseases.
30. Phospholipid antibody test: ELISA based test for detection of autoimmune diseases.
31. Beta-2 Glycoprotein 1 antibody test: ELISA based test for detection of autoimmune diseases.
32. Anti-Desmoglein 1 test: ELISA based test for detection of autoimmune diseases.
33. Anti-Desmoglein 3 test: ELISA based test for detection of autoimmune diseases.
34. Anti-BP230 test: ELISA based test for detection of autoimmune diseases.
35. Karyotype of Amniotic fluid: prenatal test.
36. Y microdeletion test
37. Mtb detection test from FFPE tissue samples
38. Naive T cell test (Flow cytometry)
39. Leukocyte adhesion deficiency (LAD) test(Flow cytometry)
40. B Cell test (CD19/CD20) [Flowcytomerty]

## CHAPTER 7

### EDUCATION DEVELOPMENT PLANS

#### 7.1 Expansion of Postgraduate Seats

As per G.O. (Rt) No. 2435/2023/H&FWD dated 22.09.2023, admissions have been approved for two additional seats in the M.Ch. Surgical Gastroenterology department. Similarly, as per S3/52/2023-Health dated 22.09.2023, two seats have been sanctioned for admission in the M.Ch. Nuclear Medicine department. The commencement of admissions to these newly sanctioned seats is expected to ease the workload in the respective departments and enhance the quality and availability of specialized care to patients.

#### 7.2 Introduction of New Departments

At Government Medical College, Kozhikode, nine new posts have been created as per G.O. (Ms) No. 346/2023/H&FWD dated 21.12.2023, including four Assistant Professor posts in newly established departments. These include:

- Neonatology – 1 post
- Rheumatology – 1 post
- Interventional Radiology – 1 post
- Endocrinology – 1 post

With the appointment of faculty in these posts, the respective specialties are now functioning as independent departments. This development is expected to significantly improve the delivery of outpatient and inpatient services, particularly in the treatment of neonatal conditions, autoimmune diseases, and endocrine disorders.

The establishment of the Interventional Radiology department is a notable advancement. This modern specialty, which uses minimally invasive, image-guided techniques for the treatment of various internal conditions, brings significant relief to patients who previously had limited access to such procedures in the public healthcare sector. The inclusion of this rapidly evolving treatment modality in a government medical college is a major step forward in ensuring that economically disadvantaged patients also benefit from cutting-edge medical care.

## **CHAPTER- 8**

### **HDS DETAILS**

#### **8.1 Facilities**

##### **8.1.1 Clinical & Diagnostic Facilities**

- MRI Scan
- Cath Lab
- Echo
- Dialysis Complex
- HDS Central Laboratory
- PET CT Scan Facility
- CT Scan Unit
- Ultrasound (USG) Machine
- IVF Machine / Assisted Reproductive Technology Equipment

##### **8.1.2 Patient & Bystander Amenities**

- Fair Price Surgical Shop
- Fair Price Pharma
- Patient & Bystander Canteen
- Parking Area for Patients and Bystanders
- Dormitory for Male Patients/Bystanders
- Dormitory for Female Patients/Bystanders

##### **8.1.3 Staff Facilities**

- Staff Canteen
- Staff Parking Area

### 8.1.4 Support & Utility Facilities

- Photostat / Xerox Machine Facility
- Stationery Shop

### 8.2 Human Resource

Three Hospital Development Societies under MCH, IMCH & ICD are working in this institution. Around 1308 temporary employees are working under the three Hospital Development Societies.

Sl. No.	Name of HDS	Related Data	2024 (January 1 to December 31)
1	MCH	Total no Employees (Daily)	1101
		Total salary	253419028
		Total Income	452214068
		Total Expenditure	419601036
2	IMCH	Total no Employees (Daily)	192
		Total salary	52494048
		Total Income	225795986
		Total Expenditure	219995029
3	ICD	Total no Employees (Daily)	15
		Total salary	4038327
		Total Income	13018415
		Total Expenditure	8878173

## CHAPTER- 9

### INNOVATIONS

**1. Online Booking and Consultation Services** As part of its digital transformation, GMC Kozhikode has implemented an online booking and consultation system in IMCH and ICD for improved accessibility to healthcare services. These highlight the increasing adoption of digital healthcare solutions, ensuring better patient engagement and efficient service delivery.

**2. Online Payment System in GMC Kozhikode Hospitals** To further enhance the convenience of patients, GMC Kozhikode hospitals have introduced an online payment system. This initiative allows patients to make payments for consultations, treatments, and other medical services digitally, reducing waiting time and ensuring seamless transactions. The adoption of online payments reflects the institution's commitment to leveraging technology for improved patient experience and operational efficiency.

**3. Smart Classroom Initiative for Medical Education** To enhance the interactive teaching-learning environment for undergraduate medical education, GMC Kozhikode is implementing a smart classroom initiative. This initiative includes the procurement of advanced educational tools and infrastructural upgrades.

#### 4. E-Health Implementation

The E-Health project has been initiated at Government Medical College (GMC) Kozhikode to enhance healthcare services through digital transformation. The project aims to streamline patient registration, consultation, admission, discharge, and other critical hospital functions. The implementation status across various departments is as follows:

**a. Institute of Chest Diseases (ICD):** As part of the E-Health project, the Institute of Chest Diseases (ICD) was selected for the first level of software implementation. Key modules, including OP registration, OP consultation, advanced online token booking, IP admission, and discharge, have been successfully initiated. Additionally, training for pharmacists has been completed, and the full implementation of the system is done in April 2024.

**b. Institute of Maternal and Child Health (IMCH):** In the first phase of implementation, network cabling and power work have been completed at IMCH. Staff training has been successfully conducted, and the OP registration, OP consultation, and advanced online token booking modules have been launched. Stationery items have been procured for further implementation, and the admission and discharge modules are expected to commence soon.

**c. Medical College Hospital (MCH) Building:** Networking and electrical works for OP registration, laboratory, and radiology departments have been completed at the MCH building. Data collection for user ID creation is ongoing, and for the implementation of the E-Health module, two faculty members (one faculty and one postgraduate student) from each department have been appointed. Training for these faculty members is scheduled for March 26, 2024. Notably, 100% of the networking, covering 226 data points and electrical points, has been completed for the first-level implementation in the OPD.

**d. Transition Plan:** A decision has been made to shift entirely from E-Hospital software to E-Health following the completion of the training module. However, this transition is dependent on the successful implementation of the necessary modifications in the billing module to ensure smooth operation without the need for dual software usage. The completion of this transition will mark a significant milestone in the digital transformation of GMC Kozhikode, improving efficiency and service delivery in patient care.

## CHAPTER 10

### FINANCIAL ALLOCATION AND UTILIZATION FOR THE LAST 10 YEARS

#### Non-Plan Head: 2210-05-105-97

Year	Non-Plan Fund (Budget Allocation + Additional Authorization)	Expenditure
2011-12	692,558,000	723,025,456
2012-13	747,035,000	767,582,386
2013-14	893,250,000	958,235,366
2014-15	1,004,554,000	1,089,509,912
2015-16	1,188,164,000	1,254,324,354
2016-17	1,212,626,000	1,415,518,801
2017-18	1,495,404,000	1,505,757,060
2018-19	1,542,587,000	1,554,322,323
2019-20	1,518,988,000	1,672,858,881
2020-21	1,756,552,000	1,545,320,924
2021-22	1,798,330,000	2,201,075,999
2022-23	1,939,291,000	2,004,409,353
2023-24	2,201,478,000	2,119,407,063
2024-25	2,249,910,000	2,391,057,363

**CHAPTER 11****RESEARCH STUDIES****SBMR Research Project 2022-2023**

SI No	Principal Investigator	Department	Title	Study Ongoing	Study Completed
1	Dr Rebecca Jamaes	Biochemistry	A comparison of asprosin and adiponectin as a novel biomarker for diagnosing non-alcoholic fatty liver disease (NAFLD) in a tertiary care centre in north Kerala.		✓
2	Dr Asha E	Biochemistry	Association between serum omentin-1 and acute coronary artery disease.	✓	
3	Dr Aparna Govindan	Pathology	Classification of Glioblastoma through an immunohistochemical approach	✓	
4	Dr Prathapan P	Orthodontics	Evaluation of the psychosocial impact of orthodontic treatment in adolescents and young adults with malocclusion using malocclusion-related quality of life questionnaire (MRQOLQ) – a longitudinal study	✓	
5	Dr Fathimathu Salma	Community Medicine	Seroconversion after post-exposure antirabies prophylaxis- A prospective study	✓	

7	Dr Kalpana George	Microbiology	Flow cytometry assisted microbial susceptibility testing. A comparison with traditional methods.	✓	
---	-------------------	--------------	--	---	--

### SBMR Research Project 2023-2024

Sl no	Principal Investigator	Dept.	Title	Study-ongoing	Study completed
1	Dr Chandini Professor	Emergency Medicine	Genomic surveillance of sars -cov2 by sequencing the rbd region using sanger sequencing from north kerala		✓
2	Dr Shabina M B Asso Professor	Microbiology	phenotypic and molecular characterisation of carbapenem resistant klebsiella and acinetobacter species isolated from patients admitted in icus		✓
4	Dr Manju Cs Asst Professor	Pharmacy	Cost effectiveness analysis of pharmaceutical care in geriatric patients with type 2 diabetes mellitus a randomised controlled trial	✓	
5	Dr Jowhara, Professor	Physiology	A cross sectional comparative study to determine the association of neutrophil lymphocyte ratio with albumin urea in patients with type 2 diabetes mellitus		✓

6	Dr Geethu G Nair Asst Professor	Pathology	Expression of nell-1 (neural epidermal growth factor-like 1 protein) in renal biopsies of membranous nephropathy using immunohistochemistry - a single tertiary care centre study		✓
	Dr Beena Bahulayan Addl Professor	OBG	Agreement between clinical and urodynamic findings in patients with pelvic organ prolapse	✓	
	Dr Ratheesh P	Forensic Medicine	Postmortem study of change in intraocular pressure and change in biochemical levels of sodium potassium glucose and chloride in vitreous humour in relation to the the time since death		✓
9	Dr Nambiar Sapna S Addl Professor	ENT	Augmentation of clinical tools with video nystagmography in evaluation of acute vertigo	✓	
10	Dr Biran Roy, Asst Professor	Community Medicine	Epidemiology and clinical profile of rabies in a tertiary care centre in north kerala	✓	

## SBMR Research Project 2024-2025

Sl No	Principal investigator	Dept	Title	Study ongoing	Study completed
1	Dr Harikumar	Periodontics	Efficacy of enamel matrix derivative compared with connective tissue graft using minimally invasive surgical techniques in the treatment of shallow gingival recessions with black triangles.	✓	
2	Dr Saumya John	Pathology	Correlation of hormone receptor status and proliferation index in various subtypes of meningioma	✓	
3	Dr Chandni R	Emergency medicine	"Psychosocial distress and behaviour issues of adolescents with type 1 diabetes meletes"	✓	
4	Dr Bindu Vijaykumar	OBG	"Clinical profile and genetic etiology of premature ovarian insufficiency -a prospective observational study "	✓	
5	Dr Suma Radhakrishnan	ENT	A comprehensive study on the molecular diagnosis, clinical features and outcomes in the early detection and management of invasive fungal infections of head and neck: a north kerala perspective	✓	

6	Dr Simi S	Pathology	Molecular markers affecting clinical course of sickle cell anaemia	✓	
7	Dr Jijith U S	Pharmacy	Development and validation of a simple olfactory test using butanol - loaded strips for evaluation of olfaction (1st installment)	✓	
8	Dr Muhammed Shibin	Orthodontics	Effectiveness of the new tool “easy box” in prognostic evaluation of impacted maxillary banines adolescents –a cohort study	✓	

### Research Methodology Workshop 2025

1	Mentor sphere 2025	IRC	Guideship Training Programme conducted on Jan 31 &Feb 1	111 Participants
2	Research Methodology Programme	IRC & Community Medicine	PG s Protocol Submission Training Conducted on Mar 20 &21	226 Participants

#### PEID Cell

#### RPEID Cell

1. Chairman: Principal, Govt. Medical College, Kozhikode- Dr. Sajeeth Kumar
2. Vice-chairman: Professor & Head, Dept. of Community Medicine, GMC Kozhikode- Dr. Asuma. A

3. Coordinator: Associate Professor, Dept. of Community Medicine, GMC Kozhikode.- Dr. Bindu. V

### *Staff working under RPEID cell and their role*

1. Data entry operator- Dept. of Community Medicine
2. Lab Technician- Dept. of Microbiology
3. Junior Lab Assistant- Dept. of Microbiology

The Data entry operator has to collect data from the wards at IMCH, NMCH, Chest and Super speciality to submit to Govt/DHS, DMOs & the State PEID cell on a daily basis. CBHI reporting and ARI reporting are also done through the PEID cell. Lab technician & Lab assistant have Lab & field.

RPEID cell activity involves epidemic investigations, surveillance data on communicable disease pertaining to MCH-DHS, updating knowledge on control of diseases, research, training health personnel, health awareness programmes, help in controlling epidemics and also participating in death audits.

### *Activities -2024*

<b>Month</b>	<b>Activity</b>
February	Interns Review Programme
March	JE Outbreak Investigation Karaparambu
April	Training Programme
May	Field Visit Outbreak Investigation-Mukkam
July	Hepatitis A-Outbreak Investigation at Dental College-Mansoon. Preparedness- sparying, mosquito control. Purchased Malaria testing Leishmans Eosin Methylene
September	Interns Review Programme, Rabies Day Programme

October	Mosquito Control Activities-Campus-Spraying
November	Purchased Giemas's Stain Solution-Malaria Testing

## CHAPTER 12

### TRAINING PROGRAMME

#### Biosafety Training Sessions



#### NIPAH Outbreak - Training Session



#### NIPAH Meeting with Honorable Health Minister, Smt. Veena George

**Training on BioFire Multiplex NAAT in RVRDL**



**Infection prevention and control training classes for residents**

**HIC team ward rounds**





**Training on PCR and Molecular Diagnosis for In-Service Lab technicians**



**ARI/SARI Surveillance Project, RVRDL - February 2025**



**Training on Flow Cytometry, in RVRDL, Microbiology Department**

## CHAPTER 13

### OUTBREAK INVESTIGATIONS

Outbreak investigations were conducted for recent outbreaks including Amoebic meningoencephalitis (AME), Nipah , Japanese Encephalitis (JE), and West Nile Virus (WNV).



Outbreak investigation for AME  
2025, Omassery



Outbreak Investigation – JE, Vadakara  
Kozhikode in 2022

## CHAPTER 14

### REMARKABLE ACHIEVEMENTS

#### തലയോട്ടി തുറക്കാതെ ബ്രെയിൻ എവിഎം രോഗത്തിന് നൂതന ചികിത്സ

രാജ്യത്ത് വളരെ കുറച്ച് ആശുപത്രികളിലുള്ള ചികിത്സ കോഴിക്കോട് മെഡിക്കൽ കോളേജിലും യുവാക്കളിൽ തലച്ചോറിൽ രക്തസ്രാവം ഉണ്ടാകുന്നതിന്റെ പ്രധാന കാരണങ്ങളിലൊന്നായ ബ്രെയിൻ എവിഎം (ആർട്ടിരിയോ വീനസ് മാൽഫോർമേഷൻ) രോഗത്തിനുള്ള പുതിയ ചികിത്സാ രീതി കോഴിക്കോട് മെഡിക്കൽ കോളേജിൽ വിജയം. മലപ്പുറം സ്വദേശിയായ 25 വയസ്സുകാരനാണ് ഇന്റർവെൻഷണൽ റേഡിയോളജി വിഭാഗത്തിന് കീഴിൽ ട്രാൻസ് വീനസ് റൂട്ട് എമ്പോളൈസേഷൻ എന്ന ചികിത്സ നടത്തിയത്. സംസാരശേഷി നഷ്ടപ്പെട്ട് ഒരു വശം തളർന്നാണ് രോഗിയെ എത്തിച്ചത്. ചികിത്സയ്ക്ക് ശേഷം ആരോഗ്യനില മെച്ചപ്പെട്ട രോഗിയെ ഡിസ്ചാർജ് ചെയ്തു. രാജ്യത്ത് വളരെ കുറച്ച് ആശുപത്രികളിൽ മാത്രമേ ഈ രീതിയിൽ ചികിത്സ വിജയകരമായി നടത്തിയിട്ടുള്ളൂ. വിജയകരമായി നൂതന ചികിത്സ നടത്തിയ കോഴിക്കോട് മെഡിക്കൽ കോളേജിലെ മുഴുവൻ ടീമിനേയും ആരോഗ്യ വകുപ്പ് മന്ത്രി വീണാ ജോർജ് അഭിനന്ദിച്ചു.

രക്താതിമർദ്ദം മൂലമോ പരുക്ക് മൂലമോ കാരണമല്ലാതെ തലച്ചോറിൽ രക്തസ്രാവമുണ്ടാകുന്ന ഒരു അസുഖമാണ് ബ്രെയിൻ എവിഎം. രക്തക്കുഴലുകൾ ജന്മനാ കെട്ടുപിണഞ്ഞു കിടക്കുന്ന ഈ അവസ്ഥയ്ക്ക് തലയോട്ടി തുറന്നുള്ള സങ്കീർണ്ണ ശസ്ത്രക്രിയയാണ് ചികിത്സ. തലയോട്ടി തുറക്കാതെ കാലിലെ രക്തക്കുഴൽ വഴി നടത്തുന്ന പിൻ ഹോൾ ചികിത്സയായ എമ്പോളൈസേഷൻ സാധാരണ രീതിയിൽ ട്രാൻസ് ആർട്ടിരിയൽ റൂട്ട് വഴിയാണ് നടത്തുന്നത്. തലച്ചോറിലേക്ക് രക്തമെത്തിക്കുന്ന ധമനികളിലൂടെ കത്തീറ്റർ കടത്തി വിട്ടതിന് ശേഷം അമിത രക്തസ്രാവം തടയുന്നു. എന്നാൽ ട്രാൻസ് വീനസ് റൂട്ട് വഴി ചികിത്സിക്കുമ്പോൾ തലച്ചോറിൽ നിന്ന് തിരികെ രക്തം ഒഴുകി വരുന്ന സിരകളിലൂടെ (വെയിൻ) കത്തീറ്റർ കടത്തി വിട്ടാണ് ചികിത്സിക്കുന്നത്. ധമനികളിലൂടെ നടത്തുന്ന ചികിത്സയുടെ കൂടെ ട്രാൻസ് വീനസ് റൂട്ട് ചികിത്സ കൂടി കടന്നു വന്നതോടെ 95 ശതമാനം എവിഎം കേസുകളിലും തലയോട്ടി തുറക്കാതെയുള്ള എമ്പോളൈസേഷൻ ചികിത്സയിലൂടെ സുഖപ്പെടുത്താനാകും.

പ്രിൻസിപ്പൽ ഡോ. സജിത് കുമാർ, ആശുപത്രി സൂപ്രണ്ട് ഡോ. ശ്രീജയൻ, അനസ്തീഷ്യാ വിഭാഗം മേധാവി ഡോ. രാധ, റേഡിയോളജി വിഭാഗം മേധാവി ഡോ. ദേവരാജൻ, ന്യൂറോസർജറി വിഭാഗം മേധാവി ഡോ. ഷാജു മാത്യു എന്നിവരുടെ മേൽനോട്ടത്തിൽ ഇന്റർവെൻഷണൽ റേഡിയോളജിസ്റ്റ് ഡോ. രാഹുൽ, അനൈസ്തെറ്റിസ്റ്റുമാരായ ഡോ. ആന്റോ, ഡോ. അതുൽ എന്നിവർ ചേർന്നാണ് ചികിത്സ നടത്തിയത്.

[https://www.madhyamam.com/kerala/innovative-treatment-of-brain-avm-disease-without-opening-the-skull-1369577?fbclid=IwZXh0bgNhZW0CMTEAARTh0aAbf\\_rpzSTYpoSoYMj5K7yr2ERrHFKv9htCRd4eicXqNBvVTMN2PaYGM\\_aem\\_zr34uMTx5CeVNnyYbdMdvq&sfnsn=wiwspwa#m5v0pva7bj3y452nkmg](https://www.madhyamam.com/kerala/innovative-treatment-of-brain-avm-disease-without-opening-the-skull-1369577?fbclid=IwZXh0bgNhZW0CMTEAARTh0aAbf_rpzSTYpoSoYMj5K7yr2ERrHFKv9htCRd4eicXqNBvVTMN2PaYGM_aem_zr34uMTx5CeVNnyYbdMdvq&sfnsn=wiwspwa#m5v0pva7bj3y452nkmg)



#### **A. Man from Tamil Nadu gets new lease of life at Kozhikode MCH**

Published - October 12, 2025 09:26 pm IST – Kozhikode - THE HINDU BUREAU

A person from Tamil Nadu who suffered grievous injuries to his major blood vessel was given a new lease of life through an endovascular surgery at the Government Medical College Hospital, Kozhikode, recently.

Prashanth, 32, of Tirupathur met with a road accident in Kozhikode while travelling to Sabarimala from Kannur. Though seated in the front row of the vehicle, he had not been wearing the seat belt during the journey. Following the accident, Mr. Prashanth was left with fractured ribs and ankle bones.

<https://www.thehindu.com/news/national/kerala/man-from-tamil-nadu-gets-new-lease-of-life-at-kozhikode-MCh/article70155678.ece>

asianetnews MALAYALAM LIVE  

TRENDING : Kerala Local Body Elections | Actress Assault Case Verdict

LOCAL NEWS | 2 Min read

# തലച്ചോറിലേയ്ക്കുള്ള രക്തക്കുഴലുകളിൽ കുമിളകൾ, രക്തസ്രാവം; ബ്രെയിൻ അന്യൂറിസം ചികിത്സയിൽ ചരിത്ര നേട്ടം

Web Desk

Published : Aug 30 2024, 02:26 PM IST



B. റേഡിയോളജി വിഭാഗത്തിന് കീഴിൽ ഇന്റർവെൻഷണൽ റേഡിയോളജി യൂണിറ്റിലാണ് നൂതന അന്യൂറിസം കോയിലിംഗ് ചികിത്സ ലഭ്യമാക്കിയത്. തലയോട്ടി തുറന്നുള്ള സങ്കീർണ്ണ ശസ്ത്രക്രിയകൾ ഒഴിവാക്കാൻ സാധിക്കുന്നു എന്നതാണ് ഈ ചികിത്സയുടെ പ്രത്യേകത.

കോഴിക്കോട്: തലച്ചോറിലേയ്ക്കുള്ള രക്തക്കുഴലുകളിൽ കുമിളകൾ വന്ന് രക്തസ്രാവമുണ്ടായി ഗുരുതരാവസ്ഥയിലാകുന്ന രോഗികൾക്ക് ആശ്വാസമായി കോഴിക്കോട് മെഡിക്കൽ കോളേജ്. തലയോട്ടിയോ തലച്ചോറോ തുറക്കാതെ പിൻ ഹോൾ ചികിത്സയിലൂടെ നടത്തുന്ന അന്യൂറിസം കോയലിംഗ് ചികിത്സ 250 രോഗികൾക്ക് വിജയകരമായി പൂർത്തിയാക്കി. റേഡിയോളജി വിഭാഗത്തിന് കീഴിൽ ഇന്റർവെൻഷണൽ റേഡിയോളജി യൂണിറ്റിലാണ് നൂതന അന്യൂറിസം കോയിലിംഗ് ചികിത്സ ലഭ്യമാക്കിയത്. തലയോട്ടി തുറന്നുള്ള സങ്കീർണ്ണ ശസ്ത്രക്രിയകൾ ഒഴിവാക്കാൻ സാധിക്കുന്നു എന്നതാണ് ഈ ചികിത്സയുടെ പ്രത്യേകത. അതിനാൽ തന്നെ മറ്റ് സങ്കീർണ്ണതകൾ ഒഴിവാക്കാനും വേഗത്തിൽ രോഗമുക്തി നേടാനും സാധിക്കുന്നു. നൂതനമായ ചികിത്സ പരമാവധി രോഗികൾക്ക് ലഭ്യമാക്കിയ കോഴിക്കോട് മെഡിക്കൽ കോളേജിന്റെ മുഴുവൻ ടീമിനേയും ആരോഗ്യ വകുപ്പ് മന്ത്രി വീണാ ജോർജ് അഭിനന്ദിച്ചു.

തലച്ചോറിലെ രക്തക്കുഴലുകളിലെ വീക്കം കാരണം കുമിളകൾ (അന്യൂറിസം) ഉണ്ടായാൽ യഥാസമയം ചികിത്സിച്ചില്ലെങ്കിൽ മരണം വരെ സംഭവിക്കുന്ന രോഗമാണ്. തലയോട്ടി തുറന്നുള്ള ശസ്ത്രക്രിയയാണ് പരമ്പരാഗതമായി ചെയ്തു വരുന്നത്. എന്നാൽ ഇന്റർവെൻഷണൽ റേഡിയോളജി കോയിലിംഗ് ടെക്നിക്കിലൂടെ ശസ്ത്രക്രിയ ഇല്ലാതെ ഇത് പരിഹരിക്കാൻ സാധിക്കുന്നു. കയ്യിലേയോ കാലിലേയോ രക്തക്കുഴൽ വഴി തലച്ചോറിലെ രക്തക്കുഴലിലെത്തി, കോയിൽ, സ്റ്റേന്റ്, ബലൂൺ എന്നിവ ഉപയോഗിച്ച് കുമിള അടയ്ക്കുന്ന ചികിത്സാ രീതിയാണ് ഇത്.

സംസ്ഥാനത്ത് ശ്രീ ചിത്ര ഇൻസ്റ്റിറ്റ്യൂട്ടിന് പുറമെ, ഇത്രയും രോഗികൾക്ക് ഈ ചികിത്സ നൽകിയ ഏക സ്ഥാപനമാണ് കോഴിക്കോട് മെഡിക്കൽ കോളേജ്. ഈ ചികിത്സയിലെ നൂതന സമ്പ്രദായമായ ഫ്ലോ ഡൈവെർട്ടർ ചികിത്സയും 60ലേറെ രോഗികൾക്ക് വിജയകരമായി പൂർത്തിയാക്കി. സ്വകാര്യ ആശുപത്രികളിൽ 15 ലക്ഷത്തിന് മുകളിൽ ചെലവ് വരുന്ന ഈ ചികിത്സ സർക്കാർ പദ്ധതികളിലൂടെ സൗജന്യമായാണ് മെഡിക്കൽ കോളേജിൽ ചെയ്ത് കൊടുക്കുന്നത്. പദ്ധതിയിൽ ഉൾപ്പെടാത്ത രോഗികൾക്ക് പ്രൊസീജിയറിന് ആവശ്യമായ കോയിൽ, സ്റ്റേന്റ്, ബലൂൺ എന്നിവയുൾപ്പെടെയുള്ളവയുടെ കുറഞ്ഞ ചെലവ് മാത്രമേ ആകുന്നുള്ളൂ.

C. ഹൃദയം തുറന്നുള്ള ഓപ്പറേഷൻ ഇല്ലാതെ പൾമനറി വാൽവ് മാറ്റിവെച്ച് കോഴിക്കോട് സർക്കാർ മെഡിക്കൽ കോളേജ്. 24 വയസ് പ്രായമുള്ള നിലമ്പൂരിൽ നിന്നുള്ള വ്യക്തിക്കാണ് വാൽവ് മാറ്റിവെച്ചത്. ജന്മനാലുള്ള ഹൃദ്രോഗത്തിന് ഓപ്പൺ ഹാർട്ട് സർജറി കഴിഞ്ഞ രോഗിയായിരുന്നു. പൾമനറി വാൽവിന് ഗുരുതരമായ ലീക്ക് സംഭവിച്ചതിനാലാണ് കാർഡിയോളജി വിഭാഗത്തിൽ ചികിത്സ തേടിയത്. സാധാരണയായി ഹൃദയം തുറന്നുള്ള ബൈപാസ് ഓപ്പറേഷൻ വഴിയാണ് വാൽവ് മാറ്റിവെക്കുന്നത്. കാലിലെ രക്തകഴലിലൂടെ 35 mm Myval എന്ന വാൽവ് ഉപയോഗിച്ചാണ് കാർഡിയോളജി, അനസ്തേഷ്യ, കാർഡിയോതൊറാസിക് സർജറി വകുപ്പുകളുടെയും, 'സൂപ്രണ്ട് ഡോ. ശ്രീജയൻ, പ്രിൻസിപ്പൽ ഡോ. സജീത് കുമാർ എന്നിവരുടെയും നേതൃത്വത്തിലാണ് വാൽവ് മാറ്റിവെക്കൽ ശസ്ത്രക്രിയ ചെയ്തത്. കാർഡിയോളജി വിഭാഗം ഡോ. രാജേഷ് ജി (പ്രൊഫസ്സർ &HOD), ഡോ. കാദർ മുനിർ, ഡോ. സജീർ, അനസ്തേഷ്യ വിഭാഗം മേധാവി ഡോ .രാധ, ഡോ. വിപിൻ, ഡോ. ശ്രീശാന്ത് , ഡോ ഷാഫി, കാർഡിയോതൊറാസിക് വിഭാഗം മേധാവി ഡോ.രാജേഷ് എസ്, ഡോ. എഡ്വിൻ, കാത്താബ് ഹെഡ് സിസ്റ്റർമാരായ അമ്പിളി, ലത, കാത്ത് ലാബ് ടെക്നിഷ്യൻമാരായ മൻസൂർ, ഷജീത് , ഹർഷ, അക്ഷയ്, സൽമ, ഐശ്വര്യ എന്നിവരാണ് ശസ്ത്രക്രിയയിൽ പങ്കെടുത്തത്. പ്രിയപ്പെട്ടവർക്ക് അഭിനന്ദനങ്ങൾ.



# ഡോ. വർഷ വിദ്യാധരൻ പുരസ്കാരം



കോഴിക്കോട് മെഡിക്കൽ വിദ്യാഭ്യാസ രംഗത്തെ മികച്ച പബ്ലിക് ഹെൽത്ത് പ്രവർത്തനത്തിനുള്ള ഇന്ത്യൻ ടീച്ചേഴ്സ് അസോസിയേഷൻ അവാർഡ് കോഴിക്കോട് മെഡിക്കൽ കോളേജിലെ സൈക്യാട്രി അസോസിയേറ്റ് പ്രഫസർ ഡോ. വർഷ വിദ്യാധരൻ.

ഡോ. വർഷ തയ്യാറാക്കിയ പ്രബന്ധത്തിന് മികച്ച പ്രബന്ധത്തിനുള്ള നിലോഹർ അവാർഡും ലഭിച്ചു.

കുട്ടികളുടെയും കൗമാരപ്രായക്കാരുടെയും മാനസിക ആരോഗ്യ ചികിത്സാരംഗത്തെ പ്രവർത്തനം സംബന്ധിച്ച പഠന പ്രബന്ധത്തിനാണ് ബഹുമതി.

ഭർത്താവ്: നെഹ്രോളജി സ്റ്റാഫ് ഡോ. വിനു ഗോപാൽ.

### List of Contributors

Sl. No	Name	Designation	Contact No	Email Id
1	Dr. Sajeethkumar.K.G	<b>PRINCIPAL</b>	9847649068	<a href="mailto:Kgsajeeth@yahoo.com">Kgsajeeth@yahoo.com</a>
2	Dr. Sreejayan.M.P	Superintendent, MCH	9745636707	<a href="mailto:Sreejayanmp@gmail.com">Sreejayanmp@gmail.com</a>
3	Dr. Arunpreeth V	Superintendent, IMCH	9847175177	<a href="mailto:Drvazhiyodan@gmail.com">Drvazhiyodan@gmail.com</a>
4	Dr. Suraj.K.P	Superintendent ICD	9447445135	<a href="mailto:Drsurajkp@yahoo.com">Drsurajkp@yahoo.com</a>
5	Dr Biran Roy	Assistant Professor, Community Medicine	9496569792	<a href="mailto:Biranroypb@gmail.com">Biranroypb@gmail.com</a>
6	Smt. Seena K	Senior Administrative Officer, Govt. Medical College Kozhikode	9746192378	<a href="mailto:Pradheeshkck@gmail.com">Pradheeshkck@gmail.com</a>
7	Sri Pradheesh Kumar C K	Accounts Officer, Govt. Medical College Kozhikode	9400558016	<a href="mailto:Pradheeshkck@gmail.com">Pradheeshkck@gmail.com</a>
8	Smt. Ragi C K	Senior Superintendent, Govt. Medical College Kozhikode	9495956354	<a href="mailto:Ragickmcc@gmail.com">Ragickmcc@gmail.com</a>
9	Sri Hamza Kannattil	Junior Superintendent, Accounts Section, Govt. Medical College Kozhikode	9744115544	<a href="mailto:hamzakannattil2014@gmail.com">hamzakannattil2014@gmail.com</a>
10	Pranav P P	Senior Clerk, P1 Section, Accounts, Govt. Medical College Kozhikode	9995251477	<a href="mailto:pranav477@gmail.com">pranav477@gmail.com</a>
11	Athul Raj K P	Clerk, D1 Section, Accounts, Govt. Medical College Kozhikode	9539878973	<a href="mailto:athulrajkp255@gmail.com">athulrajkp255@gmail.com</a>
12	Sanoop Kumar K	Senior Clerk, A1 Section, Accounts, Govt. Medical College Kozhikode	9895903856	<a href="mailto:sanu.411@gmail.com">sanu.411@gmail.com</a>

