



**MALABAR CANCER CENTRE,  
THALASSERY**

**FELLOWSHIP IN ONCO PATHOLOGY  
BROCHURE, 2017**

## **1.0 Introduction**

Malabar Cancer Centre (MCC) is an autonomous institution under Ministry of Health and Family Welfare, Government of Kerala. This is being developed as a teaching institution to train doctors, nurses and other paramedical personnel in various fields of oncology. MCC caters patient population from northern districts of Kerala and the neighbouring states.

Onco-pathology department was started in April 2011. At present the department manages a reasonably good number of cases in surgical pathology and hemato-pathology. Adding an important landmark to MCC's history, BMT program and molecular diagnostics were initiated in 2013-2014.

## **2.0 Objective of the Program**

1. Gain deep knowledge in the subject, both practical and theoretical aspects
2. To learn the current practices and recent advances in oncopathology.
3. To learn about fundamentals of molecular pathology and flowcytometry.
4. Orientation toward basic and advanced cancer research activities
5. To actively take part in research activities of the department
6. To learn interpersonal communication skills and communication skill towards patients and their relatives.

The aim is to provide the training foundation for those individuals who want to pursue their professional career in the field of oncopathology. This additional expertise emphasises development of additional skills required for the practice of this specialty, including consultation skills and multidisciplinary treatment planning, with emphasis in basic and clinical research methodologies. It has another great vision of providing more expert pathology specialists to the society in order to provide a better quality management of disease for the people even in the lower levels of community.

## **3.0 Eligibility**

- 1) **The candidate should possess MD/DNB degree in Pathology**
- 2) **Candidate should have valid MCI registration certificate**
- 3) **Candidates should not cross 35 years as on 1<sup>st</sup> June 2017.**

## **4.0 Submission of Application**

The applications should be submitted ONLINE through our website [www.mcc.kerala.gov.in](http://www.mcc.kerala.gov.in).

## **5.0 Application Fee**

**Rs. 2,000/- (Rupees Two Thousand Only).** The amount may be transferred to the following account by RTGS/NEFT and the reference number should be specified in the online application.

**Account Number : 1154104000017958**  
**Bank and Branch : IDBI, Thalassery Branch**  
**IFSC Code : IBKL0001154**

## **6.0 Important Dates:**

<b>Last date of Application</b>	<b>: 12<sup>th</sup> August 2017</b>
<b>Provisional date for written test/ interview:</b>	<b>19<sup>th</sup> August 2017</b>
<b>Announcement of results</b>	<b>: 21<sup>st</sup> August 2017</b>
<b>Date of starting the course</b>	<b>: 01<sup>st</sup> September 2017</b>

## 7.0 Educational Curriculum

**Duration:** The duration of the course will be 1 year.

**No. of seats:** Intake of candidates will be one per year.

### I. Requirements for Fellowship

The candidate should possess **MD/DNB degree in Pathology.**

### II. Educational Objectives

The goals of these fellowships are to provide comprehensive, multidisciplinary training to individuals who are committed to a career in onco-pathology. The fellowship programme will be a one year course.

Upon completion of a one-year fellowship, the onco-pathologist will possess the following characteristics

1. Gain deep knowledge in the subject, both practical and theoretical aspects
2. To learn the current practices and recent advances in oncopathology.
3. To learn about fundamentals of molecular pathology and flowcytometry.
4. Orientation toward basic and advanced cancer research activities
5. To actively take part in research activities of the department
6. To learn interpersonal communication skills and communication skill towards patients and their relatives.

### III. Fundamental Components of the Fellowship

- a) The fellow must participate in the diagnostic works which includes morphologic evaluation and decision making of hematological and solid cancers.
- b) Candidate will have postings in central laboratory division of Clinical Biochemistry, Haematology & Microbiology. This should be followed strictly.
- c) Candidate will be oriented in the techniques of transfusion medicine including component separation and apharesis.
- d) Candidate will require to learn the basics in Molecular and genetic methodologies as essential parts of learning the subject.
- e) In addition they will have postings in the division of bone marrow transplant to learn basics of stem cell collection and preservation techniques.
- f) Candidate will have exposure to Flow cytometry evaluation of hematologic disorders

and stem cell enumeration

- g) Candidate should actively participate in the daily academic activity of the department/institution without any fail.
- h) An attendance of 90% is mandatory for the completion of the course.
- i) A log book should be maintained. This has to be submitted at the end of course
- j) Candidate should preferably have publications in an indexed journal- two case reports or a prospective study- in his/her account for completion of the course

#### **IV. Fellowship Curriculum**

The fellowship will provide exposure to the following

- 1) Grossing, microscopic evaluation and diagnostic decision making in surgical materials of biopsies and radical excision specimens of solid organ malignancies.
- 2) Training in frozen sections
- 3) Training in immunohistochemistry
- 4) Journal clubs and topic presentations
- 5) Multispecialty board meetings
- 6) Clinical research methodologies

#### **V. Fellowship Faculty**

Dr. Satheesan Balasubramanian, M.S., M.Ch. (Surgical oncology). Professor in Surgical oncology & Director

Dr. Sangeetha K Nayanar, MD, DNB( Pathology), Prof & HOD, Dept of Oncopathology, Prof & HOD, Dept. of Clinical Laboratory Services and Translational Research

Dr. Sithara Aravind, MD( Pathology) , Assistant Prof , Dept of Oncopathology

Dr AswathyM Krishnan ,MD,DNB (Pathology), Assistant Prof , Dept of P Oncopathology

Dr Kandathil Philip Joseph ,MD,DNB (Pathology), Assistant Prof , Dept of Oncopathology

Dr. Noushad Arayadan,MD (Pathology), Assistant Prof , Dept of Oncopathology

Dr Sajith Babu TP, MS (ENT), DNB, FHNS (Head & Neck ), Associate Professor

Dr. Geetha M. MD(Radiotherapy), Associate Professor& HOD Radiation Oncology.

Dr Vinin Narayanan, MD, Assistant Professor, Dept of Radiation Oncology

Dr Joneetha John, MD, Assistant Professor, Dept of Radiation Oncology

Dr. Greeshma M.B.B.S, DMRT, DNB(Radiotherapy), Assistant Professor in Radiation

## Oncology

Dr. Shoaib M.B.B.S, MD(Radiotherapy), Assistant Professor in Radiation Oncology

Dr. Chandran K. Nair, M.D.,DNB(Int.Medicine), D.M. (Clinical Hematology),  
Fellowship in Bone Marrow/Peripheral blood Stem cell transplantation(Vancouver,  
Canada)

Dr. Biji, MS, MBBS , Diploma in Palliative care

Dr Satheesh Babu TV, MD ( Radiodiagnosis) , Assistant Prof, Dept of Radiodiagnosis

Dr Neethu AP, Asstant Prof, Community Medicine

Dr Phinse M Philip, Lecturer, Community Medicine.

## VI. Fellowship Schedule Template

The candidate would spend at least 11 months in the Onco-pathology and divisions of Clinical Biochemistry, Haematology, Microbiology and Blood Bank and molecular Pathology.

A rotation of one month in departments of medical and radiation oncology, surgical oncology, radio diagnosis, community medicine and palliative medicine will be done.

## 8.0 Fees and Stipends:

**Fees of Rs.30,000/- per annum will be levied and Rs.5,000/- will be the refundable caution deposit. Stipend of Rs.47,000/- per month will be given.** For sponsored candidates and candidates from other countries the institution may decide on the fee structure as appropriate.

The candidates will be full time residents of the institutions and will perform the duties and responsibilities of a full time pathologist in oncopathology.

## 9.0 Duties and Responsibilities:

The candidates will be full time residents of the institution and will perform the duties and responsibilities of a full time pathologist in the department of Oncopathology.

The learning process will be facilitated by;

- 1) Diagnostic expertise gained by working alongside experienced faculty
- 2) Active participation in daily Multi-speciality tumour boards.
- 3) Teaching sessions, which would include clinicopathologic discussions (involving

radiation, surgical, medical and radiology departments besides the parent unit),  
Journal clubs and case presentation.

- 4) Project work in the form of at least two publications in any pathology journal
- 5) Lectures by experts in the field of basic sciences, tumor registry, molecular biology & cancer genetics

## **10.0 Leaves:**

Candidates will be eligible for 12 days leave during the programme. Not more than 5 days of leave will be granted together. Candidates who avail for more than 12 days of leave will have extension for those additional days of leave.

## **11.0 Evaluation**

1) Internal assessment of the candidates by the faculty (100 marks). This will be done on a continual basis with respect to the overall objectives of the course, and specifically with respect to their diagnostic skills, seminars, journal club & tumour board presentations.

2) Final examination – at the end of the course conducted by both internal & external examiner. It will consist of

- a) Two theory papers (50 x 2 =100 marks)
- b) Slide reporting and case discussion (50 x 2 = 100 marks)

## **12.0 Accommodation:**

For lady candidates, shared room accommodation may be provided subject to availability. For gentleman candidates, accommodation is their personal responsibility.

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