



Bhagwan Mahaveer
Cancer Hospital & Research Centre
(Managed By K. G. Kothari Memorial Trust)

POST DOCTORAL CERTIFICATE COURSE (PDCC) IN ONCOSURGICAL PATHOLOGY

**UNDER THE AEGIS OF
INDIAN COLLEGE OF PATHOLOGIST (ICP)**

**BHAGWAN MAHAVEER CANCER HOSPITAL
& RESEARCH CENTRE, JAIPUR**

DEPARTMENT: PATHOLOGY



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1. **Period of course :** One Academic Year
2. **No of Candidates:** Two per year
3. **Eligibility**
Essential: MD/DNB Pathology from MCI recognized Institution
4. **Entrance Examination fee :** Rs 5000 / -
5. **Payment Details for Entrance Examination :** Fee can be deposited through Net Banking, E Banking , Bank details for NEFT / RTGS payment –

Bank Account number : 674805000020
Beneficiary Name : BHAGWAN MAHAVEER CANCER HOSPITAL AND RESEARCH CENTRE
Address : OPP. MNIT, J.L.N. MARG, JAIPUR-17
Bank & Branch Name : ICICI BANK LTD., JAIPUR BMCHRC BRANCH
Bank Address : BHAGWAN MAHAVEER CANCER HOSPITAL AND RESEARCH CENTRE, JAWAHAR LAL NEHRU MARG, JAIPUR RAJASTHAN-302017.
MICR Code : 302229063
Branch Code : 6748
IFSC Code : ICIC0006748

6. **Mode of Selection:**

Based on written MCQ based entrance examination, viva and interview.

7. **SELECTION PROCESS:**

Candidate who will qualify written exam will be called for interview.

First two candidate selected in interview will have to deposit fee of Rs. 11,000/- to ICP Secretary with a declaration letter within 2 days of selection. HR Department of BMCHRC will provide help for all details.

In Case fee is not deposited within 2 Days, next Candidate in the waiting list will be given the opportunity.

8. STEPS AFTER SELECTION:

1. Accommodation:

- Hostel facility subject to availability of rooms.
- Electricity charges and other consumables will be charged separately as per hospital policy.

2. Medical examination :

No candidate will be permitted to join a course, unless declared medically fit by the Medical Board constituted by the Institute for the purpose. The decision of the Board shall be final. Withholding information about current or past illness / treatment/ Pregnancy status if discovered at a subsequent stage may result in appropriate disciplinary action.

3. Joining

If a candidate fails to join the course by the date stipulated in the selection letter, the offer shall automatically stand cancelled and the seat will be offered to candidates in the waiting list in the order of merit

4. **Leave will be permitted as per HR Policy. Candidate has to complete minimum 11 month training. Maximum one month extension can be given as per institute policy.**
5. **Candidate has to abide general rules and regulation as per hospital policy.**
6. **Daily Bio-matrix attendance is compulsory.**
7. **The candidate shall carry out a short research work and present at national conference /publish the paper during the course.**

9. Facilities:

- Microscope
- Aprons
- Free access to online access of journals & text books
- Access to text books & AFIP Fascicles, WHO Books in departmental & Central Library.

10. Stipend

Candidates are eligible for stipend as per the prevailing rule. Resident should give a refundable deposit in the beginning of the course. No refund will be available if any resident quits the course in midway.

11. Training Program

Training programme will be of one academic Year. It will be a full time program in Surgical oncopathology. Short postings in Haematology, cytology and molecular biology are also included in the curriculum.

CORE Syllabus

- ☐ Grossing: approach and basis for all radical specimens
- ☐ Intraoperative consultations (Frozen sections) under supervision with consultants
- ☐ Approach to small biopsy reporting
- ☐ Reporting of all radical specimens (CAP guidelines)
- ☐ Cytology: Special focus on non palpable lesions including guided FNAC.
- ☐ Haematology:- Special Focus on lymphoma, Bone marrow etc.
- ☐ Interpretation of ancillary diagnostics like special stains, IHC including all panels
- ☐ Basic Molecular Biology techniques and application in present diagnostic scenario
- ☐ Participation in clinicopathological meetings, weekly tumour board/multidisciplinary meetings.
- ☐ Teaching - pathology PG residents.
- ☐ Laboratory quality assurance and management
- ☐ Writing of research papers
- ☐ Support for Publications: minimum 1 papers

12. Feasibility of the program

PDCC in Oncopathology is a specialized structured post-doctoral training program.

Department of Pathology, BMCHRC, was started in the year 1998 and now, it handles over 12000 biopsies in a year with complete work – up of the biopsies including panel of over 137 IHC markers for all the biopsies. After the start of the oncology center in 1998, the department has been successfully handling all biopsies. Tumor boards and clinico-pathology conferences (CPC) are held for discussion and correlation of biopsy and clinical findings. Faculty regularly and actively participate in the National and International CMEs. In addition, the department has been organizing yearly CME & Teaching Programme. The laboratory services are NABL accredited.

Faculty Guides:

Dr. Shashi Bansal , MD, DNB, Pathology. 18 Years Experience in Pathology.

13. Academic Teaching and research Activities :-

The candidate is expected to fulfill the following academic, clinical and research criteria while training:

Academic: The fellow will be posted with the guide on a rotational basis. He / She is expected to work as Senior Resident and are required to perform such work as may be assigned to them and is necessary in the interest of patient care, teaching, training, research and in Emergency services as and when required and to actively participate in seminar, journal clubs, group discussions and case presentations during the departmental postgraduate teaching meeting, on a monthly basis. The trainee will also be involved in the interdepartmental CPC conferences held with other clinical departments along with presentations in all tumor boards. (rotational basis). He/she will be encouraged to present paper/poster in the regional/ national/ international pathology conferences.

Clinical: The candidate is expected to gross all specimens including radical specimens from all superspeciality departments. The candidate will be involved in all system intraoperative consultations (Frozen sections). Reporting of FNA cytology with special emphasis on guided FNA will be part of the regular work.

Also they will be actively involved in the work up of in-house and submitted consultation cases, with increasing independence as the fellowship progresses. As part of the work up, the trainee will be expected to appropriately use ancillary tests (Special stains, IHC, molecular studies) for disease characterisation, prognostication and therapeutic personalised decisions.

Research: The candidate will engage in both independent and collaborative research.

The independent research will involve selecting a research project(s) to pursue under the supervision of the faculty guide. The trainee will prepare research proposals and with ethics committee approval, participate in activities such as tissue procurement, review of archival material, compile and analyze the data from these studies, and prepare abstracts/manuscripts for submission to scientific meetings/journals. The candidate will also actively participate in the collaborative projects (PG and interdepartmental) as per need and directions of the guide.

14. Aims and objectives of the course:

The primary objectives:

1. To train fellows with the aim to become familiar with diagnostic aspects of tumor -diagnosis and understand workup with immunohistochemistry and molecular panel to provide comprehensive report..
2. To provide a clear, complete and concise pathology report encompassing all the minimum points relevant to diagnosis, prognosis and therapeutics
3. To interact with clinicians , participate in tumor boards and conduct clinicopathological meetings.
4. Fellows will be encouraged to engage in research projects, publish papers and present at national and international meetings.

Opportunities for career advancement:

In the ever increasing demand of Pathology clinical support in the era of personalized medicine and molecular diagnostics, the course will prepare the candidate for the demands of the new times. This will hold him good for careers in histopathology sections of large diagnostic laboratories and also as faculty in pathology in academic medical institutions, corporate hospitals and stand alone oncology centers.

15. Eligibility for appearing in the One Year Post Training Examination (Exit Exam) :

- ☐ The candidate will have to conduct a research proposal and present it at any of the conferences of Pathology (IAPM – State/National) .
- ☐ The candidate will be encouraged to publish the results
- ☐ Each candidate has to attend periodic internal assessment conducted by the faculty of the department.
- ☐ The candidate is expected to maintain a log book of daily activities
- ☐ Leave will be permitted as per HR Policy. Candidate has to complete minimum 11 month training. Maximum one month extension can be given as per institute policy.

16. Evaluation:

Assessment in the domains of Knowledge, Skills and Attitude relevant to the Specialty

In addition to a continuous process of informal departmental reviews by the reporting consultants, the fellow will be assessed by:

Formative Assessment:

- ☐ Case based discussions (CBD)
- ☐ Direct observation of practical skills (DOPS)
- ☐ Evaluation of clinical events
- ☐ Multisource Feedback (MSF) Other

tools for assessment:

- a. Log book maintenance
- b. Research/audit activity
- c. Presentations/Discussions

Summative assessment: Written, practical & viva at the end of training

Final Examination –under ICP

Theory : One paper of 100 marks (3 Hour duration)

(MCQ :20 Marks and Theory 8 short notes/essays :80 marks)

General Pathology, Systemic tumor Pathology, Recent advances in Tumor Pathology and Techniques including Molecular Pathology

Practical examination will consist of Practical & Viva voce. (200 marks, including 30 marks for research project)

Modules: Slide test: short (include cytology cases) and Long cases(include IHC slides) Frozen examination

Grossing examination

Viva Voce

Evaluation of Research Project –(30 marks)

Evaluation will be done by 2 examiners

Internal Examiner – 1	External Examiner – 1
Theory	– 100 marks
Practical and VIVA	– 200 marks
Total	- 300 marks

To pass a candidate must obtain 150 / 300 (50%) Marks.

Maximum number of attempts will be 3.