

DEPARTMENT OF PATHOLOGY

Introduction

B.P. Koirala Memorial Cancer Hospital was initially started as a Day Care Centre, which was formally inaugurated on 11 October 1995. At that time pathology service was started with routine laboratory tests, FNAC and Bone marrow aspiration and examination. Similarly indoor service was started on 20 July 1999. Thereafter pathology service was expanded. Now we have our own separate building for the department of pathology. The Department of Pathology deals with the responsibilities to provide final diagnosis, assessment of different prognostic factors, supportive services during treatment and help to assess if there are recurrences or persistence of disease during follow-up. It also plays a vital role in research activities.



Services

Pathology Department has different units for smooth running of different types of tests. We have recently incorporated newer tests including Immunohistochemistry and CD markers tests to differentiate different types of Leukaemia and Lymphoma cases.

1. Histopathology Unit

Minor and major biopsies along with endoscopic biopsies for histopathological examination and final diagnosis. Special stains including Periodic Acid Schiff (PAS), Masson Trichrome (MT) and Alcian Blue along with immunohistochemistry (supported by the Oslo University Hospital, Oslo) are also performed. Frozen section facility for immediate diagnosis and assessment of the patient at the time of operation is also available.

2. Cytopathology Unit

Fine Needle Aspiration Cytology (FNAC) along with U.S.G. guided or CT guided FNAC, Exfoliative Cytology (pap smear cytology, bronchial brush cytology etc) and Body fluid cytology (pleural and peritoneal) tests are also daily available.

3. Hematology Unit

Routine tests including Blood Haemogram, Total Leukocytes Count (TLC), Differential Leukocytes Count (DLC), Peripheral Blood Smear (PBS), Bone Marrow aspiration and examination for diagnosis of haemopoietic abnormalities, which are assessment of Leukemia and Lymphoma. Special stains for diagnosis and differentiation of leukemia supported by Myeloperoxidase (MPO) and Periodic Acid Schiff (PAS) stains.

10. Emergency Laboratory Unit

We are running 24 hours emergency services for needy patients admitted in the wards and observation unit for different types of haematological, clinical pathological and biochemical tests.

Future Plan

The department is in process of incorporating tests like Chromosomal Analysis and Biobanking System for research.

Academic Activities

We have actively taken part in teaching, presentations/cancer orientation courses to Paramedics, Staff Nurses, Senior Nurses and MN Students, as well as regular academic activities for Certificate Level Students in Medical Laboratory Technology, Bachelor Level Students in Medical Laboratory Technology, and MD Pathology Residents from NAMS, Kathmandu.

Regular consultation is being done with professors (in the department of pathology, the Oslo University Hospital, Montebello, Oslo, Norway) along with immunohistochemical and other investigations whenever needs arise.

Human Resources

At present, One senior Consultant, Two Consultants, Two Junior Consultants, Three Registrar, One Senior Technologist, Nine Technologists, Two Senior Technicians, Thirteen Technicians, Two Lab assistants, One Lab Helper, Two junior Assistants, Four Attendants are providing the services.

