Competency Based LOGBOOK for 2nd Professional MBBS

PATHOLOGY

As per the Competency Based Medical Education Curriculum (NMC)

2nd Edition

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Contents

Section 1

Competency Assessment

Skill Competencies of Pathology

S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Cell injury and adaptation	Identify and describe various forms of cell injuries, their manifestations and consequences in gross and microscopic specimens. PA 2.8							
2.	Amyloidosis	Identify and describe amyloidosis in a pathology specimen. PA 3.2							
3.	Inflammation	Identify and describe acute and chronic inflammation in gross and microscopic specimens. PA 4.4							
4.	Hemo-dynamic disorders	Identify and describe the gross and microscopic features of infarction in a pathologic specimen. PA 6.7							
5.	Basic diagnostic cytology	Observe a diagnostic cytology and its staining and interpret the specimen. PA 8.3							
6.	Introduction to hematology	Perform, identify and describe the peripheral blood picture in Anemia. PA 13.5							

S. No.	Topic	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
7.	Microcytic anemia	Identify and describe the peripheral smear in microcytic anemia. PA 14.3							
8.	Macrocytic anemia	Identify and describe the peripheral blood picture of macrocytic anemia. PA 15.3							
9.	Hemolytic anemia	Describe the correct technique to perform a cross match. PA 16.7							
10.	Lymph node and spleen	Identify and describe the features of tuberculous lymphadenitis in a gross and microscopic specimen. PA 19.3							
11.	Lymph node and spleen	Identify and describe the features of hodgkin's lymphoma in a gross and microscopic specimen. PA 19.5							
12.	Lymph node and spleen	Identify and describe the gross specimen of an enlarged spleen. PA 19.7							
13.	Plasma cell disorders	Describe the features of plasma cell myeloma. PA 20.1							

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14.	Hemorrhagic disorders	Differentiate platelet from clotting disorders based on the clinical and hematologic features. PA 21.3							
15.	Blood banking and transfusion	Enumerate the indications, describe the principles, enumerate and demonstrate the steps of compatibility testing. PA 22.2							
16.	Clinical Pathology	Describe abnormal urinary findings in disease states and identify and describe common urinary abnormalities in a clinical specimen. PA 23.1							
17.	Clinical Pathology	Describe and interpret the abnormalities in a panel containing semen analysis, thyroid function tests, renal function tests or liver function tests. PA 23.3							
18.	Gastrointestinal tract	Describe and identify the microscopic features of peptic ulcer. PA 24.3							

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19.	Hepatobiliary system	Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests. PA 25.6							
20.	Cardiovascular system	Interpret abnormalities in cardiac function testing in acute coronary syndromes. PA 27.8							
21.	Breast	Describe and identify the morphologic and microscopic features of carcinoma of the breast. PA 31.3							
22.	Skin	Identify, distinguish and describe common tumors of the skin. PA 34.4							

Add on Competencies as Decided by the Department of Pathology

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.								
2.								
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10.								

Competencies of the Procedures for Certification

S. No.	Competency addressed	Name of the activity	Number required to certify P (Perform)	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Prepare a peripheral blood smear and identify hemolytic anemia from it. PA 16.6		1						
2.	Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests. PA 25.6		1						
3.	Identify the etiology of meningitis based on given CSF parameters. PA 35.3		1						

Certifiable Competencies in Pathology

Competency PA 16.6: Prepare a peripheral blood smear and identify hemolytic anemia from it.

Specific Learning Objectives (SLOs):

1.

2.

3.

4.

Description of the Module:

Reflection on Certifiable Competency

Date:

Competency PA 16.6: Prepare a peripheral blood smear and identify hemolytic anemia from it.

What happened:

So what:

What next:

Signature of Teacher-in-charge

Note:

Certifiable Competencies in Pathology

Competency PA 25.6: Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests.

Specific Learning Objectives (SLOs):

1.

2.

3.

4.

Description of the Module:

Reflection on Certifiable Competency

Date:

Competency PA 25.6: Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests.

What happened:

So what:

What next:

Signature of Teacher-in-charge

Competency Based LOGBOOK for 2nd Professional MBBS

PATHOLOGY

This logbook is designed as per the latest guidelines of logbook module shared by National Medical Commission (NMC) for implementation of competency-based curriculum and recommended to be followed by the MBBS students of the academic year 2023–2024. This logbook of Pathology is a verified record of the progression of the learner documenting the acquisition of the requisite, knowledge, skills, attitude, and competencies. It is a tool that guides medical students by highlighting important clinical objectives promoting self-reflection, providing an opportunity to obtain feedback from preceptors, and the records can be used for formative and continuous assessment. Also, this logbook is an academic document that becomes both a snapshot of the progress of the learner and a prerequisite for progression to the next phase of learning or graduation from the course.

Salient Features

- Predefined skill competencies of Pathology given in the UG Curriculum module: Vol. I for recording the activities that are conducted in a simple tabulated format based on NMC logbook module.
- Separate section is provided for competencies needed for certification in the subject.
- Separate empty table is provided for competencies needed by the department of Pathology.
- Separate section is provided for Alignment and Integration Topics (AITo), SDL, Humanities, and Extracurricular Activities with ample space for reflective writing of the subject.
- Separate section of AETCOM is dedicated for Pathology with modules and reflective writing space.
- Recording of the details of assignment and assessment.
- Separate sections are provided for attendance record of the students and attending extra classes for poor attendance.

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Shelving Recommendation
PATHOLOGY

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