

NATIONAL POSTGRADUATE MEDICAL COLLEGE OF NIGERIA



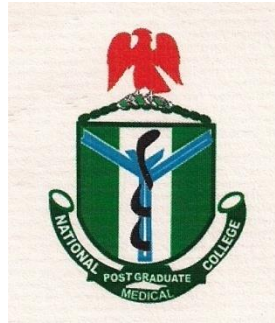
JUNIOR RESIDENCY LOGBOOK FOR  
SUBSPECIALTY OF CHEMICAL PATHOLOGY

FACULTY OF PATHOLOGY

APPROVED BY THE SENATE ON 1<sup>ST</sup> JUNE, 2023

A handwritten signature in blue ink, consisting of several loops and flourishes, is positioned below the approval text.

DR F. A. AROGUNDADE, MD FMCP  
COLLEGE REGISTRAR



**National Postgraduate Medical College of Nigeria  
(NPMCN)**

**FACULTY OF PATHOLOGY**

**CHEMICAL PATHOLOGY**

**JUNIOR RESIDENCY TRAINING  
LOGBOOK**

**CONTENTS**

**PREFACE:**

**CHEMICAL PATHOLOGY RESIDENCY TRAINING**

To specialize in Chemical Pathology, Trainees must undertake at least four years of training.

The objectives of the Chemical Pathology training are to produce individuals capable of managing high quality laboratories and of contributing effectively to the biochemical investigation and management of patients. Training is designed to attract Trainees and maintain their interest - particularly those with the potential to contribute to the advancement of Chemical Pathology.

When training is completed, Trainees will be expected to have a comprehensive knowledge of and skills in:

- Biochemistry, physiology, general and special pathology
- The biochemical basis of disease
- The application of results of laboratory tests to the investigation and management of patients, particularly those with biochemical problems
- Analytical techniques
- Efficient laboratory administration and management
- The functioning of health care services in Nigeria
- The investigation of clinical and laboratory problems

The chemical pathologist should be routinely involved in:

- The interpretation of laboratory-derived information on the basis of clinical findings
- Other investigations for the purpose(s) of establishing diagnoses
- Assisting prognoses, indicating management, monitoring treatment and/or detecting complications
- The Chemical Pathology examination process involves three parts – Primary, Part I and Part II examinations.
- The **Primary Examination** is made up of the basic sciences and is usually taken before the commencement of the residency program. It is a pre-requisite for entering into the program.
- **Part I Examination**
- Trainees take the Part I examination in Chemical Pathology at the end of the second year of training. During the first two years of training, the trainee spends 3 months each rotating through the other pathology specialties (Medical Microbiology and Parasitology, Anatomical Pathology and Haematology/Blood Transfusion)

### **Grading:**

- A. Well above expectation for stage of training (excellent) - 80% and above
- B. Above expectation for stage of training (very good) -70 to 79%
- C. Meets expectation for stage of training (good) – 60 to 69%
- D. Borderline for stage of training (average) – 50 to 59%
- E. Below expectation for stage of training (below average) – 40 to 49%

F. Well below expectation for stage of training (unsatisfactory) -<40%

### GENERAL CHEMICAL PATHOLOGY LABORATORY ACTIVITY

In this segment, the trainee will be introduced to the department, expected to understand the theoretical bases, observe, as well as perform some activities as applicable.

Activity	Junior Residency			
	Rotating		Core	
	Duration	Exposure needed/ Minimum No of Samples Handled	Duration	Exposure needed/ Minimum No of Samples Handled
Introduction to workings of Chemical Pathology Department	2 weeks	Not applicable	Not applicable	Not applicable
Laboratory Reception Workflow		20	4 weeks	40
Sample/Specimen Collection		20		40
Completed Result Management and Dispatch		20		40
Emergency Laboratory Requests Handling		20		40
Clinicopathological Review and Interpretation (General Tests)	12 weeks	40	52 weeks	210
Clinicopathological Review and	12 weeks	10	52 weeks	30

Interpretation (Specialized Tests/Hormones)				
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**1B. RECORDS OF GENERAL CHEMICAL PATHOLOGY LABORATORY ACTIVITY**

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## 2. CHEMICAL PATHOLOGY SEMINAR PRESENTATIONS

The trainee is expected to attend as well as make seminar presentations that are to be graded and signed. Seminar attendance is to be captured into Departmental Log Sheets and appropriately signed by Departmental Residency Training Coordinator per seminar and the Head of Department.

SECTIONS	Junior Residency				Senior Residency	
	Rotating		Core		Attended	Presentation
	Attend	Presentation	Attend	Presentation		
Principles of Laboratory Medicine	2	1	20	6	10	4
Analytical Techniques and Instrumentation	2	1	20	6	10	4
Analytes	2	1	20	6	10	4



Molecular Diagnostics and Genetics	2	1	20	6	10	4
Pathophysiology	2	1	20	6	10	4

## 2 B. RECORDS OF CHEMICAL PATHOLOGY SEMINAR PRESENTED

S/N	Date	Wet Practical Session	Grade (A – F, or NA)	Observed/ Attended	Performed/ Presented	Supervising Consultant's Signature
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### 3.CHEMICAL PATHOLOGY WET PRACTICAL

Proficiency in developing Calibration Cures	Junior Residency			
	Rotating		Core	
	Observed	Performed	Observed	Performed
One Step Endpoint assay Calibration Curve eg Glucose	2	2	5	5
Two Steps Endpoint assay Calibration curves eg. Creatinine	2	1	5	5
Kinetic Assay Calibration curve e.g. creatinine	2	1	5	4
ELISA Based assay Calibration Curve.	1	1	5	3

### 3B. RECORDS OF CHEMICAL PATHOLOGY WET CALIBRATION PRACTICAL SESSIONSPERFORMED

S/N	Date	Wet Practical Session	Grade (A – F, or NA)	Observed/ Attended	Performed/ Presented	Supervising Consultant's Signature
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**4. CHEMICAL PATHOLOGY WET PRACTICAL**

Assays/Estimation	Junior Residency	
	Rotating	Core



	Observed	Performed	Observed	Performed
Glucose	2	2	5	5
Creatinine	2	1	5	5
Urea	2	1	5	4
Calcium	1	1	5	2
Total Cholesterol	1	1	5	2
Triglycerides	NA	NA	5	2
HDL-Cholesterol	NA	NA	5	2
Uric Acid	NA	NA	5	2
Total Protein	NA	1	5	2
Albumin	NA	NA	5	2
Protein electrophoresis	NA	NA	5	NA
Enzyme Assays	NA	NA	5	NA
Immunoassay for Tumour Markers/Hormones	NA	NA	5	NA

**4B. RECORDS OF CHEMICAL PATHOLOGY WET PRACTICAL SESSIONSPERFORMED**

S/N	Date	Wet Practical Session	Grade (A – F, or NA)	Observed/ Attended	Performed/ Presented	Supervising Consultant's Signature
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**5. CHEMICAL PATHOLOGY LABORATORY BENCH WORK**

Bench	Junior Residency			
	Rotating		Core	
	Observed	Performed	Observed	Performed
Glucose /OGTT/HbA1C	4	4	10	10
Electrolytes/Urea/Creatinine	2	2	5	5
Lipid profile	2	NA	5	5
Liver enzymes/	2	NA	5	2
Bilirubin	2	NA	5	2
Cardiac biomarkers	2	NA	5	2
CSF analysis	2	NA	5	2
Hb Quantification	2	NA	5	2
Dynamic Tests: OGTT. Water Deprivation test, Dexamethasone Suppression Test. etc	1	NA	5	2

**5B. RECORDS OF CHEMICAL PATHOLOGY LABORATORY BENCH WORK PERFORMED**

<b>S/N</b>	<b>Date</b>	<b>Wet Practical Session</b>	<b>Grade (A – F, or NA)</b>	<b>Observed/ Attended</b>	<b>Performed/ Presented</b>	<b>Supervising Consultant’s Signature</b>
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**6. CHEMICAL PATHOLOGY LABORATORY BENCH CALL**

Bench	Junior Residency			
	Rotating		Core	
	Observed	Performed	Observed	Performed
Glucose /OGTT/HbA1C	4	4	10	10
Electrolytes/Urea/Creatinine	2	2	5	5
Lipid profile	2	NA	5	5
Liver enzymes/	2	NA	5	2
Bilirubin	2	NA	5	2
Cardiac biomarkers	2	NA	5	2
CSF analysis	2	NA	5	2
Hb Quantification	2	NA	5	2

**6B. RECORDS OF CHEMICAL PATHOLOGY LABORATORY BENCH CALL PERFORMED**

S/N	Date	Wet Practical Session	Grade	Observed/	Performed/	Supervising
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**7. CHEMICAL PATHOLOGY JOURNAL CLUB/ ARTICLE REVIEW/ CASE PRESENTATIONS**

	Junior Residency			
	Rotating		Core	
	Observed	Presented	Observed	Presented
Journal Club/Article Review	1	2	5	5
Case Review and Presentation	1	1	5	5

**7B. RECORDS OF CHEMICAL PATHOLOGY JOURNAL CLUB/ ARTICLE REVIEW/  
CASE PRESENTATIONS PERFORMED**

<b>S/N</b>	<b>Date</b>	<b>Wet Practical Session</b>	<b>Grade (A – F, or NA)</b>	<b>Observed/ Attended</b>	<b>Performed/ Presented</b>	<b>Supervising Consultant’s Signature</b>
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**8. CHEMICAL PATHOLOGY WEIGHT & OBESITY/ NUTRITION (METABOLIC) CLINIC ACTIVITY**

	Junior Residency				Senior Residency	
	Rotating		Core		Attended	Consultation
	Attended	Consultation	Attended	Consultation		
Metabolic Clinic	10	NA		20	NA	30

**8B. RECORDS OF WEIGHT & OBESITY/ NUTRITION (METABOLIC) CLINIC ACTIVITY PERFORMED**

<b>S/N</b>	<b>Date</b>	<b>Wet Practical Session</b>	<b>Grade (A – F, or NA)</b>	<b>Observed/ Attended</b>	<b>Performed/ Presented</b>	<b>Supervising Consultant's Signature</b>
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**ASSESSMENT DURING OTHER PATHOLOGY SPECIALTIES ROTATIONS**

**ANATOMICAL PATHOLOGY ROTATION LOG SHEET**

<b>Module 1</b>	<b>Task/activity</b>	<b>Observed</b>	<b>Performed</b>
<b>Surgical Pathology</b>	Accession and surgical pathology reception procedures	30	20
	Surgical cut-up techniques for the various organs	30	20
	Principles of manual and automated tissue processing-embedding and Microtomy	2	2
	Staining of Tissue Sections	10	10
	Trouble shooting/Quality Control of tissue sections.(Detection of defects in H & E sections, correction of technical errors)	20	15
	Principle and Use of histochemical techniques (Special stains) in diagnosis	1	1
	Principles of Immunohistochemical Techniques and the use in diagnosis and clinical management	1	1

**ANATOMICAL PATHOLOGY ROTATION LOG SHEET**

<b>Module 2</b>	<b>Task/activity</b>
<b>Autopsy</b>	Gathering of clinical information from the case notes and results of radiological and laboratory

<b>Pathology</b>	investigations
	Experience in performing general autopsies with full post-mortem report
	Autopsy Dissection Techniques and tidiness including appropriate use of instruments
	Autopsy/Organ demonstration complete
	Museum Techniques

<b>Module 3</b>	<b>Task/activity</b>	<b>Observed/Exposure</b>	<b>Perf</b>
<b>Academic/Clinical Presentations</b>	Postgraduate Seminar	8	
	Resident Seminars/Tutorials (Breakfast meeting)	45	
	Slide seminars	8	
	Clinicopathological conference	3	
	Multidisciplinary Team meetings	5	
	Gross conference	8	
	Journal Club	8	
	Guest lecture	1	
	Autopsy review	15	
	Hospital grand round	1	
	Slide Club	3	

**Introductory Laboratory Posting - Record of Accession/Surgical Pathology Reception  
Procedures (30 observed, 20 performed)**

<b>Accession/ Reception Procedures (30 observed)</b>							
<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Diagnosis</b>	<b>Assessor's Name &amp; Signature</b>		<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Dia</b>


**Accession/ Reception Procedures (20 performed)**

<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Diagnosis</b>	<b>Assessor's Name &amp; Signature</b>		<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Dia</b>


**Introductory Laboratory Posting - Records of Surgical Cut-up Techniques for the various organs (30 observed, 20 performed)**

<b>Cut-up Procedures (30 observed)</b>							
<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Diagnosis</b>	<b>Assessor's Name &amp; Signature</b>		<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Dia</b>




**Cut-up Procedures (20 performed)**

<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Diagnosis</b>	<b>Assessor's Name &amp; Signature</b>	<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Dia</b>


Lab number	Remarks/Diagnosis	Grade of performed tasks	Assessor's Name & Signature		Date	Lab Number	Remarks/Diagnosis	Grade of performed tasks
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**Manual and automated tissue processing-embedding and microtomy (2 observed)**


**Manual and automated tissue processing-embedding and microtomy (2 performed)**


**Haematoxylin /Eosin Staining of Tissue Sections (10 observed)**



**Haematoxylin/Eosin Staining of Tissue Sections (10 performed)**


**Table shooting/quality control of tissue sections (identification of technical defects and determination of corrective measures in histology) (20 observed)**



**able shooting/quality control of tissue sections (identification of technical defects and determination of corrective measures in histology) (15 performed)**


<b>Lab Number</b>	<b>Remarks/Diagnosis</b>	<b>Grade of performed tasks</b>	<b>Assessor's Name &amp; Signature</b>	<b>Date</b>	<b>Lab Number</b>	<b>Remarks/Diagnosis</b>	<b>Grade of performed tasks</b>
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**Performance of histochemical techniques (special stains) in diagnosis (1 observed)**



**Performance of histochemical techniques (special stains) in diagnosis (1 performed)**


**Principle of Immunohistochemical Techniques and use in diagnosis/management of patients (1 observed)**


**Evaluation of Immunohistochemistry Slides and the use in diagnosis and clinical management (1 performed)**


**Introductory Laboratory Posting Records**

**Records of Autopsy - Gathering of clinical/premorbid information from the case notes/informants (including results of relevant clinical and laboratory investigations) (5 observed, 10 performed)**

<b>Gathering of clinical/premorbid information from the case notes/informants (including results of relevant investigations) (5 observed)</b>		
<b>S/No.</b>	<b>PM No.</b>	<b>Cause of Death (fill in recommended WHO format)</b>
1.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
2.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
3.		<b>1a</b>
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5.		<b>1a</b>
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**Gathering of clinical/premorbid information from the case notes/informants (including results of relevant investigations) (10 performed)**

<b>S/No.</b>	<b>PM No.</b>	<b>Cause of Death (fill in recommended WHO format)</b>
1. 1		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
2.		<b>1a</b>
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		<b>1c</b>
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		<b>1c</b>
		<b>2</b>
9.		<b>1a</b>
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		<b>1c</b>
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10.		<b>1a</b>
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		<b>1c</b>
		<b>2</b>

*Grading: A-Excellent, B- Very good, C- Good, D-Fair, E-Poor*

**Records of Experience in performing general autopsies including good dissection techniques and appropriate use of instruments (5 observed, 2 performed)**

<b>Experience in performing general autopsies including good dissection techniques (5 observed, 2 performed)</b>		
<b>S/No.</b>	<b>PM No.</b>	<b>Cause of Death (fill in recommended WHO format)</b>
1.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>



		<b>2</b>
2.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
3.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
4.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
5.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>

**Experience in performing general autopsies including good dissection techniques (20 performed)**

<b>PM No.</b>	<b>Cause of Death (fill in recommended WHO format)</b>	<b>Grade</b>	<b>Assessor Name and Signature</b>
	<b>1a</b>		
	<b>1b</b>		
	<b>1c</b>		
	<b>2</b>		
	<b>1a</b>		

	<b>1b</b>		
	<b>1c</b>		
	<b>2</b>		

*Grading: A-Excellent, B- Very good, C- Good, D-Fair, E-Poor*

**Experience in performing general autopsies including good dissection techniques (5 observed)**

<b>M No.</b>	<b>Cause of Death (fill in recommended WHO format)</b>	<b>Assessor's N Signature</b>
	<b>1a</b>	
	<b>1b</b>	
	<b>1c</b>	
	<b>2</b>	
	<b>1a</b>	
	<b>1b</b>	
	<b>1c</b>	
	<b>2</b>	
	<b>1a</b>	
	<b>1b</b>	
	<b>1c</b>	
	<b>2</b>	
	<b>1a</b>	
	<b>1b</b>	
	<b>1c</b>	
	<b>2</b>	
	<b>1a</b>	
	<b>1b</b>	
	<b>1c</b>	

**Records of Autopsy Dissection Techniques and tidiness including appropriate use of instruments (5 observed, 2 performed)**

<b>Experience in performing general autopsies including good dissection techniques (20 p</b>		
<b>S/No.</b>	<b>PM No.</b>	<b>Cause of Death (fill in recommended WHO format)</b>
1. 1		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>
2.		<b>1a</b>
		<b>1b</b>
		<b>1c</b>
		<b>2</b>

*Grading: A-Excellent, B- Very good, C- Good, D-Fair, E-Poor*

**Records of Museum Techniques (Museum pot making) (1 observed, 0 performed)**

<b>S/No.</b>	<b>Surgical/Post Mortem No.</b>	<b>Description of potted organ with diagnosis</b>
1.		
2.		
3.		
4.		

5.		
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*Grading: A-Excellent, B- Very good, C- Good, D-Fair, E-Poor*

<b>Records of Postgraduate Seminar Presented (1 required)</b>			
<b>S/No</b>	<b>Date</b>	<b>Topic</b>	<b>Gr</b> (fo pre top
1.			
2.			
3.			

<b>Records of Postgraduate Seminar Attended (8 required)</b>			
1.			
2.			
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10.			

**Records of Resident's Seminars/Tutorials (breakfast meetings) (45 observed, 5 performed)**

<b>Records of Resident's Seminar Presented (5 required)</b>			
<b>S/No</b>	<b>Date</b>	<b>Topic</b>	<b>C</b> ( p t

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**Records of Resident's Seminar Attended (45 required)**

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**Records of Slide Seminars Presented/Attended (8 observed, 8 presented)**

<b>Records of Slide Seminars Presented (8 required)</b>
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S/No	Date	Topic/Diagnosis/Description	Grade (for presentation to)
1.			
2.			
3.			
4.			
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6.			
7.			
8.			

**Records of Slide Seminars Attended(8required)**

1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

S/No	Date	Topic/Diagnosis/Description	Indicate Presented or Attended	Grade topic
<b>Records of Clinicopathological conference (3 observed, 0 performed)</b>				
1.				
2.				
3.				

**Multidisciplinary Team meetings (5 observed, 0 performed)**

1.				
2.				
3.				
4.				
5.				

**Gross conference (8 observed, 2 performed)**

1.				
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**Journal Club (8 observed, 2 performed)**

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<b>10.</b>				
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**Guest lecture (1 observed, 0 performed)**

<b>1.</b>				
<b>2.</b>				

**Autopsy review (15 observed, 2 performed)**

<b>1.</b>				
<b>2.</b>				
<b>3.</b>				
<b>4.</b>				
<b>5.</b>				
<b>6.</b>				
<b>7.</b>				
<b>8.</b>				
<b>9.</b>				
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<b>12.</b>				
<b>13.</b>				
<b>14.</b>				
<b>15.</b>				
<b>16.</b>				
<b>17.</b>				

**Hospital grand round (1 observed, 0 performed)**

<b>1.</b>				
<b>2.</b>				

**Slide Club (3 observed, 0 performed)**

1.				
2.				
3.				

**FORMAL TEST ASSESSMENT**

ACTIVITY	DATE	SCORE
PRE-TEST		
POST TEST		

Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

Chief resident name/sign/date .....

Academic coordinator name/sign/date.....

Head of Department name/sign/date .....

**HOD Remarks**

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## HAEMATOLOGY ROTATION LOG SHEET

For residents in other specialties of Pathology rotating for 3 months in haematology, they will be expected to carry out the following activities as enumerated below with an understanding of the theoretical basis. The numbers stated below are the minimum numbers expected to be assessed for completion of the posting.

### LIST OF PROCEDURES/ ACTIVITIES

S/N	SPECIFIC LABORATORY PROCEDURE	Observed
	Specimen reception and handling (10)	5
	Preparation & Staining of peripheral blood smears (20)	5
	Preparation & Staining of Bone marrow smears (20)	15
	Manual Leucocyte count (20)	14
	Manual platelet count (20)	14
	Automated full blood count (10)	5
	Identification and interpretation of haemoglobinopathy slides (10)	5
	ABO and RH grouping (15)	5
	Cross matching (4)	3
	Seminar presentation (3)	
	Case Presentation (5)	
	Haemaocrit estimation (20)	10
	Prothrombin time (8)	2
	Activated partial thromboplastin time (8)	2
	Bone marrow aspiration and Trepine biopsy (2)	1
	Erythrocyte Sedimentation rate (5)	3

**Procedure/ Activity signing sheet**

S/N	SPECIFIC LABORATORY PROCEDURE / ACTIVITY	GRADE	Observed/ Performed	D
1.				
2.				
3.				
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\* NA – Not Applicable. **Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

**FORMAL TEST ASSESSMENT**

ACTIVITY	DATE	SCORE
PRE-TEST		
POST TEST		

Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

Chief resident name/sign/date .....

Academic coordinator name/sign/date.....

Head of Department name/sign/date .....

### MEDICAL MICROBIOLOGY ROTATION LOG SHEET

This section will be used to assess the Anatomical Pathology junior resident during the 3-month rotation in Microbiology. It details what the person is expected to do as well as the grading system to be carried out.

#### PRACTICAL ASSESSMENT

<b>PARASITOLOGY SECTION</b>	Trainee level .....
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#### SPECIFIC LABORATORY PROCEDURE; THIN BLOOD FILM – PREPARATION, EXAMINATION AND REPORTING

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
1.					6.				
2.					7.				
3.					8.				
4.					9.				
5.					10.				

#### SPECIFIC LABORATORY PROCEDURE; THICK BLOOD FILM - PREPARATION, EXAMINATION AND REPORTING



S/ N	PATH ID	DAT E	GRA DE	ASSESSORS NAME/ SIGNATURE/ DATE	S/ N	PATH ID	DAT E	GR AD E	ASSESSORS NAME/ SIGNATURE/DATE
1.					6.				
2.					7.				
3.					8.				
4.					9.				
5.					10.				

**SPECIFIC LABORATORY PROCEDURE; URINE WET MOUNT – PREPARATION, EXAMINATION REPORTING**

S/ N	PATH ID	DAT E	GRA DE	ASSESSORS NAME/ SIGNATURE/ DATE	S/ N	PATH ID	DAT E	GR AD E	ASSESSORS NAME/ SIGNATURE/DATE
1.					6.				
2.					7.				
3.					8.				
4.					9.				
5.					10.				

**SPECIFIC LABORATORY PROCEDURE; STOOL WET MOUNT – PREPARATION, EXAMINATION REPORTING**

S/ N	PATH ID	DAT E	GRA DE	ASSESSORS NAME/ SIGNATURE/ DATE	S/ N	PATH ID	DATE	GRADE	ASSESSORS NA SIGNATURE/D
1.					6.				
2.					7.				
3.					8.				
4.					9.				
5.					10.				

**SPECIFIC LABORATORY PROCEDURE; CONCENTRATION TECHNIQUES STOOL AND URINE**

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE
1.					4.				
2.					5.				
3.					6.				

**SPECIFIC LABORATORY PROCEDURE; OTHERS – SKIN SNIPS, ECTOPARASITES**

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE
1.					3.				
2.					4.				

**SPECIFIC LABORATORY PROCEDURE; OTHERS**

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE
1.					3.				
2.					4.				

Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

<b>STERIOLOGY SECTION</b>	Grade level .....
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**SPECIFIC LABORATORY PROCEDURE; URINE MCS**

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/ DATE

**CIFIC LABORATORY PROCEDURE; STOOL MCS**

	H ID	TE	ADE	ESSORS NAME/ NATURE/DATE		H ID	TE	ADE	ESSORS NAME/ NATURE/DATE

**CIFIC LABORATORY PROCEDURE; BLOOD MCS**

	H ID	TE	ADE	ESSORS NAME/ NATURE/DATE		H ID	TE	ADE	ESSORS NAME/ NATURE/DATE

**CIFIC LABORATORY PROCEDURE; OTHER SPECIMEN MCS**

	H ID	TE	ADE	ESSORS NAME/ NATURE/DATE		H ID	TE	ADE	ESSORS NAME/ NATURE/DATE

**Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

<b>MYCOBACTERIOLOGY SECTION</b>	<b>Trainee level</b> .....
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**CIFIC LABORATORY PROCEDURE; SPUTUM Microscopy (ZN, Fluorescent)), Culture –  
d, solid, automated, Molecular detection/Sensitivity**

	H ID	TE	ADE	ESSORS ME/ NATURE/DATE		H ID	TE	ADE	ESSORS ME/ NATURE/DA


**CIFIC LABORATORY PROCEDURE; OTHERS (ZN, Fluorescent)), Culture – liquid, solid, mated, Molecular detection/Sensitivity**

	PH ID	TE	ADE	ESSORS /E/ NATURE/DATE		PH ID	TE	ADE	ESSORS /E/ NATURE/DA

**Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

<b>CIFIC LABORATORY PROCEDURE; OTHER</b>					Grade level .....				
	PH ID	TE	ADE	ESSORS /E/ NATURE/DATE		PH ID	TE	ADE	ESSORS /E/ NATURE/DA

**Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E**

**ACADEMIC ASSESSMENT**

<b>DEPARTMENT .....</b>
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**DURATION .....**

<b>S/N</b>	<b>SEMINAR PRESENTATION/DATE</b>	<b>TE</b>	<b>GRADE</b>	<b>ASSESSORS NAME &amp; SIGNATURE/ DATE</b>
	<b>CLINICAL ACTIVITIES E.G. PRESENTATIONS/DATE</b>			

**Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

**FORMAL TEST ASSESSMENT**

ACTIVITY	DATE	SCORE
PRE-TEST		
POST TEST		

**Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E**

**Chief resident name/sign/date .....**

**Academic coordinator name/sign/date.....**

**Head of Department name/sign/date .....**

**HOD's Remarks**

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