

NATIONAL POSTGRADUATE MEDICAL COLLEGE OF NIGERIA

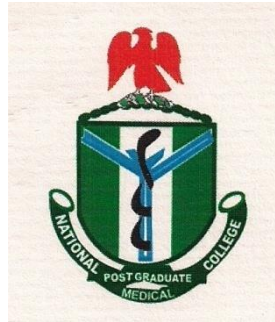


**JUNIOR RESIDENCY LOGBOOK FOR SUBSPECIALTY
OF MEDICAL MICROBIOLOGY AND PARASITOLOGY**

FACULTY OF PATHOLOGY

APPROVED BY THE SENATE ON 1ST JUNE, 2023

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COLLEGE REGISTRAR**



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

FACULTY OF PATHOLOGY

Medical Microbiology and Parasitology

**JUNIOR RESIDENCY TRAINING
LOGBOOK**

NAME: _____ **AF Number** _____

INSTITUTION: _____

PERIOD COVERED: From _____ **To** _____

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TRAINING LOG-BOOK FOR JUNIOR RESIDENCY TRAINING PROGRAMME IN PATHOLOGY BY THE NATIONAL POSTGRADUATE MEDICAL COLLEGE OF NIGERIA

SECTION ONE: INTRODUCTION

SCOPE OF THIS MANUAL

This logbook is designed to provide a record of the training received by residents admitted into the residency training programme in Medical Microbiology of the Faculty of Pathology during the first 24 months of junior residency training period.

It is intended to assist both the resident and the supervising consultant in considering the whole range of skills and competencies required of a newly appointed Consultant Pathologist in any hospital or laboratory. In view of the diverse nature of pathology and the required expertise of a pathology consultant, the subject, the list of procedures and activities here is not all inclusive but is meant to provide guidance on what is expected to be covered during the training process and period

This logbook is to be submitted to the College during the process of application for the fellowship examinations, and serves as a screening tool to determine eligibility to sit for the examinations or otherwise. In addition to this logbook, the resident needs to keep a training portfolio which will be presented during the fellowship examinations and will also be assessed.

There is a comprehensive description of the training programme in Pathology available as a separate document known as the Pathology Training Handbook and curriculum.

LABORATORY INFORMATION SHEET (CHECK LIST)

Every trainee is expected to go through this section with the trainer before going into the Laboratory. This is to educate the trainee on the workings of the Laboratory and safety precautions that are observed in the laboratory. The trainee should:

- Participate in the laboratory safety induction session organized by the training coordinator
- Read and discuss the laboratory safety manual with the trainer.
- Be vaccinated for hepatitis B and have shown evidence of such.
- Wear appropriate protective clothing (ward coat, gloves, mask, goggles) and always remove it before leaving the laboratory.
- Wash his/her hands or use alcohol-based hand rub (ABHR) after all procedures in the laboratory.
- Cover all cuts with plaster before entering the laboratory.
- Not eat, drink, smoke, undertake made-up or rub or wipe my face with my hands while in the laboratory.
- Be careful when handling blood and other body fluids to prevent transmission of infections.
- Report all needle pricks in the Laboratory and immediately report to the infectious clinic or staff clinic or infection control unit to get PEP prophylaxis.
- Set up my workspace and ensure correct posture and lifting techniques to avoid strain and injury.
- Clean up myself after each practical session.
- Have read, discussed with the trainer and fully understand the Laboratory rules and regulations.
- Have been given an opportunity to ask questions and is satisfied with the responses.

Trainee name (print)..... Signature.....

Training coordinator/ Head of Department: Name (print).....

Signature..... Date:

SECTION TWO: COMPETENCY AND SKILLS

Areas in which competency and skills are required during the training include but not limited to the following: Laboratory skills, Seminars/Tutorials presentations, appropriate clinical skills, Quality Management System Activities, Infection prevention and control activities, antimicrobial stewardship practices, public health activities, teaching skills, research, management and academic abilities.

The trainees should note that the number of tests stipulated for each section is the minimum number expected and they are expected to do more than this number to improve proficiency and skill.

It is obligatory for the trainers to give trainee feedback immediately after the procedure is carried out or after formative assessment has been carried out.

GRADING

Grading is from A-E.

A = Excellent \geq 70%.

B = Good 60 - 69%.

C= average 50 - 59%.

D= Borderline 40 - 49%

E = Fail 39 and below

SEMINAR/TUTORIALS REQUIREMENTS –

Minimum of 12 should be presented per year of training

CLINICAL SKILLS REQUIREMENTS

Infections to be noted: blood stream, cardiovascular, respiratory, bone/joint, wound/soft tissue, gastrointestinal, central nervous system, intra-abdominal, urinary tract, burns/plastics, sexually transmitted infections, infections in pregnancy, in the ICU, in neonates etc.

History taking and clinical examinations, making a clinical diagnosis, collection of appropriate specimens, correlation of clinical and laboratory findings, confirmation of diagnosis, appropriate management of cases with particular emphasis on antimicrobial therapy are where the emphases should be placed.

During the period of junior residency training period, each resident is expected to present a minimum of 2 clinical cases per year making a total minimum of 4 clinical case presentations during the programme.

Residents must take clinical and bench calls in order to acquire skills, competencies and experience in handling microbiological emergencies during call hours

INFECTION PREVENTION AND CONTROL/ANTIMICROBIAL STEWARDSHIP/OUTBREAK INVESTIGATION REQUIREMENTS

Areas to be covered include surveillance for healthcare associated infections, participation in IPC team and committee activities, risk assessment and implementation of standard and additional precautions as necessary, training and education on IPC activities including knowledge of health and safety at work. Antimicrobial stewardship programmes are also a focus of the training and residents are expected to participate actively in such activities.

PRACTICAL LABORATORY SKILLS REQUIREMENTS

Residents during their training will be expected to understand the theoretical basis as well as perform the following procedures. Find in the table below the minimum number for the different modules in Medical Microbiology. The indicated number refers to the minimum number of passable procedures to be performed.

Parasitology			
Specimen	Procedure	Minimum no to process	
		Rotating Resident	Core junior resident
Blood	Thin film	10	20
Blood	Thick film	10	20
Urine	Wet prep	10	30
Stool	Wet prep/ Staining	10	20
Others e. g. HVS	Wet prep/Staining	3	10
Stool & Urine	Concentration method	2	5
Skin snip	Microscopy	-	2
Ectoparasite	Identification	1	2

Bacteriology			
Specimen	Procedure	Minimum no to process	
		Rotating Resident	Core junior resident
Urine	M/C/S	5	30
Stool	M/C/S	5	20
CSF	M/C/S	1	5
Blood	M/C/S	3	10
Swabs	M/C/S	2	10
Sputum	M/C/S	1	10
Aspirates	M/C/S	2	10
	Media preparation	-	10
	Disinfection/Sterilisation	-	5
	Antimicrobial assay	1	5

Mycobacteriology			
Specimen	Procedure	Minimum no to process	
		Rotating Resident	Core junior resident
Sputum	Microscopy (ZN, Fluorescent))	10	30
	Culture – liquid, solid, automated	-	3
	Molecular detection/Sensitivity	4	10
Others	Molecular detection/Sensitivity	2	20
	M/C/S		5

Mycology		
Specimen	Procedure	Minimum no to process
Skin/nail scrapings	M/C/S	10
Tissue	M/C/S	5
Fluids	M/C/S	3

Immunology/Virology	
Procedure	Minimum no to process
Rapid test kits – different tests e. g. HIV, pregnancy, malaria, hepatitis etc	50
Agglutination tests e. g. RPR, TPHA	10
ELISA test (using reader and washer)	5
Immunoblotting techniques	3
Conventional PCR	1
Real time PCR	1
Phase contrast/Darkfield/Fluorescent microscopy	2

SECTION THREE: ASSESSMENT LOGS

LABORATORY SKILLS AND COMPETENCIES - LIST OF PROCEDURES PERFORMED

PARASITOLOGY SECTION									
SPECIFIC LABORATORY PROCEDURE; THIN BLOOD FILM – PREPARATION, EXAMINATION AND REPORTING									
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SPECIFIC LABORATORY PROCEDURE; THICK BLOOD FILM - PREPARATION, EXAMINATION AND REPORTING									
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SPECIFIC LABORATORY PROCEDURE; URINE WET MOUNT – PREPARATION, EXAMINATION AND REPORTING

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

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SPECIFIC LABORATORY PROCEDURE; CONCENTRATION TECHNIQUES ON STOOL AND URINE

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SPECIFIC LABORATORY PROCEDURE; EXAMINATION AND IDENTIFICATION OF ECTOPARASITES

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SPECIFIC LABORATORY PROCEDURE; EXAMINATION OF SKIN SNIPS

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

GENERAL MICROBIOLOGY SECTION

SPECIFIC LABORATORY PROCEDURE; MEDIA PREPARATION

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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SPECIFIC LABORATORY PROCEDURE; DISINFECTION/STERILISATION

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SPECIFIC LABORATORY PROCEDURE; ANTIMICROBIAL ASSAYS – PREPARATION AND INTERPRETATION

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

BACTERIOLOGY SECTION

SPECIFIC LABORATORY PROCEDURE; URINE MICROSCOPY, CULTURE, IDENTIFICATION AND SUSCEPTIBILITY

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SPECIFIC LABORATORY PROCEDURE; STOOL MICROSCOPY, CULTURE, IDENTIFICATION AND SUSCEPTIBILITY

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SPECIFIC LABORATORY PROCEDURE; BLOOD CULTURE (manual, automated)/IDENTIFICATION AND SUSCEPTIBILITY (conventional, automated)

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SPECIFIC LABORATORY PROCEDURE; SWAB MCS

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SPECIFIC LABORATORY PROCEDURE; ASPIRATE MICROSCOPY, CULTURE, IDENTIFICATION, SUSCEPTIBILITY

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

MYCOBACTERIOLOGY SECTION									
SPECIFIC LABORATORY PROCEDURE; SPUTUM MICROSCOPY - (ZN, FLUORESCENT)									
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SPECIFIC LABORATORY PROCEDURE; SPUTUM – CULTURE IDENTIFICATION (liquid, solid, automated)/MOLECULAR DETECTION/SENSITIVITY									
S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
1.					8.				
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SPECIFIC LABORATORY PROCEDURE; OTHER SPECIMENS – CULTURE/MOLECULAR DETECTION/SENSITIVITY									
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Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

MYCOLOGY SECTION									
SPECIFIC LABORATORY PROCEDURE; SKIN/NAIL SCRAPINGS FUNGAL STUDIES (MCS)									
S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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SPECIFIC LABORATORY PROCEDURE; TISSUE FUNGAL STUDIES (MCS)

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SPECIFIC LABORATORY PROCEDURE; ASPIRATE FUNGAL STUDIES (MCS)

S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

IMMUNOLOGY/VIROLOGY SECTION									
SPECIFIC LABORATORY PROCEDURE; RAPID TEST KITS – DIFFERENT TESTS e. g. HIV, PREGNANCY, MALARIA, HEPATITIS ETC.									
S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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SPECIFIC LABORATORY PROCEDURE; AGGLUTINATION TESTS e. g. RPR, TPHA, TPPA

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SPECIFIC LABORATORY PROCEDURE; ELISA

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SPECIFIC LABORATORY PROCEDURE; IMMUNOBLOTTING TECHNIQUES e. g. Western blot for HIV, syphilis etc									
S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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SPECIFIC LABORATORY PROCEDURE; POLYMERASE CHAIN REACTION TECHNIQUES – REAL TIME, CONVENTIONAL									
S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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SPECIFIC LABORATORY PROCEDURE; PHASE CONTRAST/DARKFIELD/FLUORESCENT MICROSCOPY									
S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE
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Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E

ASSESSMENT OF SEMINARS/TUTORIALS

S/NO	TOPIC	DATE	GRADE	NAME/SIGNATURE OF CHAIR/DATE
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Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

CASE/CLINICAL SKILLS ACTIVITIES

ASSESSMENT OF SKILLS/COMPETENCIES IN CASE/CLINICAL PRESENTATIONS

YEAR ONE		
Please comment on whether these aspects of the trainee's performance are as expected for the stage of training		
SKILLS/COMPETENCIES	GRADE	N/A
History taking and physical examination skills		
Initial assessment of clinical, pathological, microbiological aspects of case		
Appropriate initial and follow up investigation/s selected		
Interpretation of findings		
Clinical management advice (regarding therapy, prophylaxis)		
Infection control		
Public Health Advice/prevention		
Overall laboratory and clinical judgment		
Reporting of findings		
Ability to present and discuss case	To Colleagues	
	To other health staff	
	non-medical person (e. g. patient, lawyer)	
Please comment on other relevant aspects, especially on aspects for improvement		
NAME OF ASSESSOR		SIGNATURE
NAME OF HOSPITAL/CLINIC/WARD		DATE

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

N/A = not applicable

YEAR TWO		
Please comment on whether these aspects of the trainee's performance are as expected for the stage of training		
SKILLS/COMPETENCIES	GRADE	N/A
History taking and physical examination skills		
Initial assessment of clinical, pathological, microbiological aspects of case		
Appropriate initial and follow up investigation/s selected		
Interpretation of findings		
Clinical management advice (regarding therapy, prophylaxis)		
Infection control		
Public Health Advice/prevention		
Overall laboratory and clinical judgment		
Reporting of findings		
Ability to present and discuss case	To Colleagues	
	To other health staff	
	non-medical person (e. g. patient, lawyer)	
Please comment on other relevant aspects, especially on aspects for improvement		
NAME OF ASSESSOR		SIGNATURE
NAME OF HOSPITAL/CLINIC/WARD		DATE

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

N/A = not applicable

CASE PRESENTATION LOGBOOK

	Date	Description of meeting (Ward round/Clinic/Clinical meeting)	Case Presented by trainee	Grade	Comment	Assessors/Signature/Date
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Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

QUALITY MANAGEMENT ACTIVITIES LOG

YEAR ONE		
Please comment on whether these aspects of the trainee's performance are as expected for the stage of training		
SKILLS/COMPETENCIES	YES	NO
SOP development and review		
Process Workflow/Test Algorithm development		
Performance and Interpretation of Quality control		
Development/review of audit tool/checklist for conduct of Laboratory audit		
Performance of Laboratory Audit		
Preparation of schedule/roster for bench duties or description of duties		
Conduct a customer satisfaction survey		
Participation in preparation for accreditation		
Assessment of personnel competency		
Develop SOP/protocol for Equipment use/maintenance/validation		
Conduct lab safety audit/development of SOP for safety in the lab		
Occurrence management		
Review of records/archiving system of the laboratory		
Evaluation of inventory management system		
Please comment on other relevant aspects, especially on aspects for improvement		
NAME OF ASSESSOR		SIGNATURE
NAME OF HOSPITAL/CLINIC/WARD		DATE

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

YEAR TWO		
Please comment on whether these aspects of the trainee's performance are as expected for the stage of training		
SKILLS/COMPETENCIES	YES	NO
SOP development and review		
Process Workflow/Test Algorithm development		
Performance and Interpretation of Quality control		
Development/review of audit tool/checklist for conduct of Laboratory audit		
Performance of Laboratory Audit		
Preparation of schedule/roster for bench duties or description of duties		
Conduct a customer satisfaction survey		
Participation in preparation for accreditation		
Assessment of personnel competency		
Develop SOP/protocol for Equipment use/maintenance/validation		
Conduct lab safety audit/development of SOP for safety in the lab		
Occurrence management		
Review of records/archiving system of the laboratory		
Evaluation of inventory management system		
Please comment on other relevant aspects, especially on aspects for improvement		
NAME OF ASSESSOR	SIGNATURE	
NAME OF HOSPITAL/CLINIC/WARD	DATE	

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

ACADEMIC AND RESEARCH ACTIVITIES LOG

Assessor should write name and sign under relevant column as applies to competence being assessed	YEAR ONE			TRAINEE LEVEL	
SKILLS/COMPETENCIES	Theoretical Knowledge	Can perform under supervision	Can perform without supervision	Competent	ASSESSOR/SIGN/DATE
Understands the various methods of collecting data about communicable diseases, and the limitations of such data					
Is able to develop basic data collection questionnaires					
Understands the various study designs that can be used in the conduct of research/studies					
Understands how to perform basic statistical analyses					
Able to use using appropriate software packages, e. g. epi-info, SPSS, Stata etc					
Learns how to use a reference manager and write short reports					
Has had experience of training junior medical and scientific staff					
Understands the various components of a published article					
Preparation of a good power point presentation					
Oral presentation abilities					
Please comment on other relevant aspects, especially on aspects for improvement					Head of Department name/sign/date

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

Assessor should write name and sign under relevant column as applies to competence being assessed	YEAR TWO			TRAINEE LEVEL	
	Theoretical Knowledge	Can perform under supervision	Can perform without supervision	Competent	ASSESSOR/SIGN/DATE
Understands the various methods of collecting data about communicable diseases, and the limitations of such data					
Is able to develop basic data collection questionnaires					
Understands the various study designs that can be used in the conduct of research/studies					
Understands how to perform basic statistical analyses					
Able to use using appropriate software packages, e.g. epi-info, SPSS, Stata etc					
Learns how to use a reference manager and write short reports					
Has had experience of training junior medical and scientific staff					
Understands the various components of a published article					
Preparation of a good power point presentation					
Oral presentation abilities					
Please comment on other relevant aspects, especially on aspects for improvement					Head of Department name/sign/date

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

SECTION FOUR; ROTATIONS

ASSESSMENT DURING OTHER PATHOLOGY SPECIALTIES ROTATIONS

ANATOMICAL PATHOLOGY ROTATION LOG SHEET

Module 1	Task/activity	Observed	Performed
Surgical Pathology	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

Module 2	Task/activity	Observed	Performed
Autopsy Pathology	Gathering of clinical information from the case notes and results of radiological and laboratory investigations	5	10
	Experience in performing general autopsies with full post-mortem report	5	2
	Autopsy Dissection Techniques and tidiness including appropriate use of instruments	5	2
	Autopsy/Organ demonstration complete	10	2
	Museum Techniques	1	-

Module 3	Task/activity	Observed/Exposure	Performed
Academic/Clinical Presentations	Postgraduate Seminar	8	1
	Resident Seminars/Tutorials (Breakfast meeting)	45	5
	Slide seminars	8	8
	Clinicopathological conference	3	-
	Multidisciplinary Team meetings	5	-
	Gross conference	8	2
	Journal Club	8	2
	Guest lecture	1	-
	Autopsy review	15	2
	Hospital grand round	1	-
	Slide Club	3	-

Introductory Laboratory Posting Records

Date	Lab Number	Remarks/Diagnosis	Grade of performed tasks	Assessor's Name & Signature		Date	Lab Number	Remarks/Diagnosis	Grade of performed tasks	Assessor's Name & Signature
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)										
Trouble shooting/quality control of tissue sections (identification of technical defects and determination of corrective measures in histology) (20 observed)										

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

Date	Lab Number	Remarks/Diagnosis	Grade of performed tasks	Assessor's Name & Signature		Date	Lab Number	Remarks/Diagnosis	Grade of performed tasks	Assessor's Name & Signature
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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)									

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)

Gathering of clinical/premorbid information from the case notes/informants (including results of relevant clinical and laboratory investigations) (5 observed)			
S/No.	PM No.	Cause of Death (fill in recommended WHO format)	Assessor's Name and Signature
1.		1a	
		1b	
		1c	
		2	
2.		1a	
		1b	
		1c	
		2	
3.		1a	
		1b	
		1c	
		2	
4.		1a	
		1b	
		1c	
		2	
5.		1a	
		1b	

		1c	
		2	

Gathering of clinical/premorbid information from the case notes/informants (including results of relevant clinical and laboratory investigations) (10 performed)					
S/No.	PM No.	Cause of Death (fill in recommended WHO format)		Grade	Assessor's Name and Signature
1.	1	1a			
		1b			
		1c			
		2			
2.		1a			
		1b			
		1c			
		2			
3.		1a			
		1b			
		1c			
		2			
4.		1a			
		1b			
		1c			
		2			
5.		1a			
		1b			
		1c			
		2			
6.		1a			
		1b			
		1c			
		2			
7.		1a			
		1b			

		1c		
		2		
8.		1a		
		1b		
		1c		
		2		
9.		1a		
		1b		
		1c		
		2		
10.		1a		
		1b		
		1c		
		2		

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)

Experience in performing general autopsies including good dissection techniques (5 observed)			
S/No.	PM No.	Cause of Death (fill in recommended WHO format)	Assessor's Name and Signature
1.		1a	
		1b	
		1c	
		2	
2.		1a	
		1b	
		1c	
		2	
3.		1a	
		1b	
		1c	
		2	
4.		1a	
		1b	

		1c	
		2	
5.		1a	
		1b	
		1c	
		2	

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

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

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

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

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

S/No.	PM No.	Cause of Death (fill in recommended WHO format)	Assessor's Name and Signature
1.		1a	
		1b	
		1c	
		2	
2.		1a	
		1b	
		1c	
		2	
3.		1a	
		1b	
		1c	

		2	
4.		1a	
		1b	
		1c	
		2	
5.		1a	
		1b	
		1c	
		2	

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

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

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

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

S/No.	Surgical/Post Mortem No.	Description of potted organ with diagnosis	Assessor's Name and Signature
1.			
2.			
3.			
4.			

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

Records of Postgraduate Seminar Presented (1 required)				
S/No	Date	Topic	Grade (for present topics)	Assessor's Name & Signature
1.				
2.				
3.				
Records of Postgraduate Seminar Attended (8 required)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

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

Records of Resident's Seminar Presented (5 required)				
S/No	Date	Topic	Grade (for present topics)	Assessor's Name & Signature
1.				
2.				
3.				
4.				
5.				

Records of Resident's Seminar Attended (45 required)

1.			
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Records of Slide Seminars Presented/Attended (8 observed, 8 presented)

Records of Slide Seminars Presented (8 required)				
S/No	Date	Topic/Diagnosis/Description	Grade (for present topics)	Assessor's Name & Signature
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
Records of Slide Seminars Attended (8 required)				
1.				
2.				
3.				

4.			
5.			
6.			
7.			
8.			

S/No	Date	Topic/Diagnosis/Description	Indicate Presented or Attended	Grade (for present topics)	Assessor's Name & Signature
Records of Clinicopathological conference (3 observed, 0 performed)					
1.					
2.					
3.					
Multidisciplinary Team meetings (5 observed, 0 performed)					
1.					
2.					
3.					
4.					
5.					
Gross conference (8 observed, 2 performed)					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
Journal Club (8 observed, 2 performed)					
1.					
2.					
3.					

4.					
5.					
6.					
7.					
8.					
9.					
10.					

Guest lecture (1 observed, 0 performed)

1.					
2.					

Autopsy review (15 observed, 2 performed)

1.					
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16.					
17.					

Hospital grand round (1 observed, 0 performed)

1.					
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2.					
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

CHEMICAL PATHOLOGY LOG SHEET

Junior residents in other specialties of Pathology rotating for 3 months in Chemical Pathology will be introduced to the department, expected to understand the theoretical bases, attend and make seminar presentations, observe, as well as perform some activities as applicable. Stated below are the minimum numbers expected to be assessed for completion of the posting.

1. GENERAL CHEMICAL PATHOLOGY LABORATORY ACTIVITY

Activity	Duration	Exposure needed/ Minimum No of Samples Handled	Supervisor Comments(s)	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
Introduction to workings of Chemical Pathology Department	2 weeks	NA			
Laboratory Reception Workflow		20			
Sample/Specimen Collection		20			
Completed Result Management and Dispatch		20			
Emergency Laboratory Requests Handling		20			
Clinicopathological Review and Interpretation (General Tests)	12 weeks	40			
Clinicopathological Review and Interpretation (Specialized Tests/Hormones)		10			

* NA – Not Applicable. Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

2. CHEMICAL PATHOLOGY SEMINAR PRESENTATIONS

SECTIONS	Attend	Present	SEMINAR TOPIC	Attended/ Presented	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
Principles of Laboratory Medicine	2	1				
Analytical Techniques and Instrumentation	2	1				
Analytes	2	1				
Molecular Diagnostics and Genetics	2	1				
Pathophysiology	2	1				

* NA – Not Applicable. **Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

3. CHEMICAL PATHOLOGY WET PRACTICAL (CALIBRATION CURVES)

Proficiency in developing Calibration Curves	Observe	Perform	WET PRACTICAL SESSION	Observed/ Performed	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
One-Step Endpoint Assay Calibration Curves e. g. Glucose	2	2				
Two Steps Endpoint assay Calibration Curves eg. Creatinine	2	1				
Kinetic Assay Calibration Curves e.g. creatinine	2	1				
ELISA Based Assay Calibration Curves	1	1				

* NA – Not Applicable. Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail - E

4. CHEMICAL PATHOLOGY WET PRACTICAL (ASSAYS ESTIMATION)

Assays Estimation	Observe	Perform	WET PRACTICAL SESSION	Observed/ Performed	Grade (A – E, or NA)	Supervising Consultant's Signature & Date

Glucose	2	2				
Creatinine	2	1				
Urea	2	1				
Calcium	1	1				
Total Cholesterol	1	1				
Total Protein	1	1				

* NA – Not Applicable. **Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

5. CHEMICAL PATHOLOGY LABORATORY BENCH WORK

Bench	Observe	Perform	BENCH WORK SESSION	Observed/ Performed	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
Glucose/OGTT/ HbA1c	4	4				
Electrolytes/Urea/ Creatinine	2	2				
Lipid profile	2	NA				
Liver enzymes	2	NA				
Cardiac Markers	2	NA				

CSF Analysis	2	NA				
Haemoglobin Quantitation	2	NA				
Dynamic Function Tests (OGTT, Water Deprivation Test, Dexamethasone Suppression Test, etc)	1	NA				

* NA – Not Applicable. Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E

6. CHEMICAL PATHOLOGY LABORATORY BENCH CALL

Bench	Observe	Perform	BENCH CALL SESSION	Observed/ Performed	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
Glucose/OGTT/ HbA1c	4	4				

Electrolytes/Urea/ Creatinine	2	2				
Lipid profile	2	NA				
Liver Enzymes	2	NA				
Bilirubin	2	NA				
Cardiac Markers	2	NA				
CSF Analysis	2	NA				
Haemoglobin Quantitation	2	NA				

* NA – Not Applicable. **Grade level could be either Excellent - A, Good - B, Average -C, Borderline - D, Fail – E**

7. CHEMICAL PATHOLOGY WEIGHT & OBESITY/ NUTRITION (METABOLIC) CLINICS ACTIVITIES & JOURNAL CLUB/ ARTICLE REVIEW/ CASE PRESENTATIONS

Activity	Attend	Present	ARTICLE TITLE/CASE	Attended/ Presented	Grade (A – E, or NA)	Supervising Consultant’s Signature & Date
Journal Club/Article Review	1	2				
Metabolic Clinic	10	NA				

* 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

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NAME, SIGNATURE & DATE OF RESIDENCY TRAINING COORDINATOR

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NAME, SIGNATURE & DATE OF HEAD OF DEPARTMENT

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	Performed
	Specimen reception and handling (10)	5	5
	Preparation & Staining of peripheral blood smears (20)	5	15
	Preparation & Staining of Bone marrow smears (20)	15	5
	Manual Leucocyte count (20)	14	6
	Manual platelet count (20)	14	6
	Automated full blood count (10)	5	5
	Identification and interpretation of haemoglobinopathy slides (10)	5	5
	ABO and RH grouping (15)	5	10
	Cross matching (4)	3	1
	Seminar presentation (3)		3
	Case Presentation (5)		5
	Haemaocrit estimation (20)	10	10
	Prothrombin time (8)	2	6
	Activated partial thromboplastin time (8)	2	6
	Bone marrow aspiration and Trepine biopsy (2)	1	1
	Erythrocyte Sedimentation rate (5)	3	2

Procedure/ Activity signing sheet

S/N	SPECIFIC LABORATORY PROCEDURE / ACTIVITY	GRADE	Observed/ Performed	DATE	ASSESSORS NAME & SIGNATURE
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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

HOD Remarks

ASSESSMENT OF ATTITUDES

This section is used to assess the attitude of the resident. It is compulsory for core residents. It is to be filled by the primary specialty only.

GRADES

ATTRIBUTE	A	B	C	D	E
Punctuality					
Ability to work unsupervised					
Zeal to learn					
Initiative					
Interpersonal relationship					
Attitude to Work					
Sense of responsibility					
Reliability					

Supervisor's Name:.....

Signature and Date:

Name of ResidentSignature.....

Note: (A) Outstanding means far exceeds expectations. (B) Above average means often exceeds expectations; (C)

Average means meets reasonable expectations; (D) Below average means often falls short of reasonable expectations.

(E) Unsatisfactory means falls far short of reasonable expectations.

If the resident is considered ready for the fellowship examination head of department should indicate below and any other remarks for note by Faculty and College

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HOD name/sign/date.....