NATIONAL POSTGRADUATE MEDICAL COLLEGE OF NIGERIA



JUNIOR RESIDENCY LOGBOOK FOR SUBSPECIALTY OF HAEMATOLOGY AND BLOOD TRANSFUSION

FACULTY OF PATHOLOGY

APPROVED BY THE SENATE ON 1ST JUNE, 2023

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COLLEGE REGISTRAR

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National Postgraduate Medical College of Nigeria (NPMCN)

FACULTY OF PATHOLOGY

Haematology and Blood Transfusion

JUNIOR RESIDENCY TRAINING LOGBOOK

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Introduction

This log book covers the Junior Residency training programme. It is developed to assist the trainee to achieve the required level of knowledge, skills and competence expected of a registrar in haematology

The Trainee is expected to carry out and record the tasks in the log book.

A completed and duly signed logbook by the supervising consultant/s is a prerequisite for sitting for the part 1 Fellowship examinations of the National Post graduate Medical College, Faculty of Pathology

This book provides a guide both for the supervising consultant and the resident.

In the course of rotation through a particular work station, or bench, in the laboratory and at clinic, the resident will be assessed in both skills and knowledge.

Grading is from A-D.

A = excellent >/= 70%. B = Good 60 - 69%. C= average 50 - 59%.

D= fail 0 - 49%

The trainees should note that the number of test 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.

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 the safety precautions that are observed in the Laboratory:

- I have participated in the Laboratory safety induction session (organised by the training coordinator).
- I have read and discussed the laboratory safety manual with the trainer.
- I have been vaccinated for hepatitis B and have shown evidence of such.
- I wear appropriate protective clothing (ward coat, gloves, mask, goggles) and always remove it before leaving the laboratory.
- I know I should wash my hands or use alcohol-based hand rub (ABHR) after all procedures in the laboratory.
- I should cover all cuts with plaster before entering the laboratory.
- I shall not eat, drink, smoke, apply makeup or rub or wipe my face with my hands while in the laboratory.
- I shall not use personal electronic devices while working in the Laboratory.
- I shall be careful when handling blood and other body fluids to prevent transmission of infections.
- I shall 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.
- I will set up my workspace and ensure correct posture and lifting techniques to avoid strain and injury.
- I will clean up myself after each practical session.
- I have read, discussed with the trainer and fully understand the Laboratory rules and regulations.
- I have been given an opportunity to ask questions and I am satisfied with the responses.

Trainee name (print)	. Signature
Witness (supervisor or other senior member of staff):	
Name (print)	Signature
Date:	

Basic Laboratory Techniques

In the segment, the trainee will be expected to understand the theoretical basis as well as perform the following procedures. Find below the number for Junior and senior residency.

Procedure	Junior residency		
	Observed	Performed	
Preparation of Laboratory solutions	2	2	
Calibration of pipettes	2	2	
Use of light Microscopy*	2	5	
Care of light Microscopy*	2	3	

Basic Laboratory Techniques

Date	Procedure	Hospital Number	Observed or performed	Grade	Assessor name & Signature

Transfusion Medicine

In the transfusion medicine segment, the trainee will be expected to understand the theoretical basis as well as perform the following procedures. Find below the number for Junior and senior residency.

Procedure	Junior residency	
	Observed	Performed
Blood grouping	5	15
Antibody screening	3	2
Cross matching	5	5
Exchange blood transfusion	2	3
Apheresis	3	-
Investigation of haemolytic	2	-
transfusion reaction		

Transfusion Medicine

Date	Procedure	Hospital Number	Observed or	Grade	Assessor's
		Number	performed		Name &
					Signature

Coagulation

In the Coagulation segment, the trainee will be expected to understand the theoretical basis as well as perform the following procedures. Find below the number for Junior and senior residency.

Procedure	Junior residency	
	Observed	Performed
Prothrombin Time (PT)	3	20

APTT	3	20
Mixing Studies	2	20
Factor Assay	2	1
Inhibitor detection	2	1

Coagulation

Date	Procedure	Hospital Number	Observed or performed	Grade	Assessor's Name and Signature

1		

Morphology I

In the Morphology I segment, the trainee will be expected to understand the theoretical basis as well as perform the following procedures. Find below the number for Junior and Senior Residency Training.

Procedure	Junior residency		
	Observed	Performed	
Preparation and report of	5	50	
Peripheral blood film			
Preparation and report of	3	10	
Bone marrow aspirate and			
trephine biopsy			
Identification of blood	2	5	
parasites in thin film			
Manual Leucocyte count	8	12	
Manual platelet count	8	12	
Reticulocyte count	3	5	
Manual Packed cell volume	5	45	

Erythrocyte Sedimentation	5	10
Rate		
LE Prep	2	5
G6PD assay	2	5

Morphology I

Morpholog Date	Procedure	Laboratory Number	Observed or	Grade	Assessor name
		Number	performed		& Signature
			+	+	

-				
			<u> </u>	

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MorphologyII

In the Morphology segment, the trainee will be expected to understand the theoretical basis as well as perform the following procedures. Find below the minimum the number for Junior Resident

Procedure	Junior residency		
	Observed	Performed	
	2	1	
	2	8	
	2	8	
Cytochemical stain MPO,	2	3	
NSE, SBB, PAS			
	2	3	
	3	10	
	4	10	
	3	5	
	3	5	

Morphology II

Date	Procedure	Hospital Number	Observed or performed	Grade	Assessor's Name & Signature

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Procedures

In this segment, the trainee will be expected to understand the theoretical basis as well as perform the following procedures. Find below the minimum number for Junior the Junior Resident

Procedure	Junior residency		
	Observed	Performed	
Bone Marrow	2		
Transplantation			
Administration of	5	15	
chemotherapy			
Central line Insertion	5	-	
Port- a cart Insertion	5	-	
Femoral line Insertion	5	-	
Spongecavenous aspiration			

Please indicate whether these aspects of the trainee's performance are as expected or better than expected for the stage of training	Yes	No	n/a
Pre-procedure			
Indications for procedure			
Consent properly obtained?			
Patient review for risk. Special issues/preparation e.g. on anticoagulants, anti- retrovirals, diabetic, allergies, anaesthetic problems			
Explanation/consent/complications			
•			

Workplace Health and Safety (WHS) issues, e.g. needlestick, blood splash Sterile procedure Setup of patient including anatomy/positioning Conscious sedation [should know and follow local procedures] Local anaesthesia, pharmacology, complications, drug checking Resuscitation [should have documented CPR sign off from local institution] Obtaining adequate aspirate and trephines samples Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	Procedure:	
Setup of patient including anatomy/positioning Conscious sedation [should know and follow local procedures] Local anaesthesia, pharmacology, complications, drug checking Resuscitation [should have documented CPR sign off from local institution] Obtaining adequate aspirate and trephines samples Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	Workplace Health and Safety (WHS) issues, e.g. needlestick, blood splash	
Conscious sedation [should know and follow local procedures] Local anaesthesia, pharmacology, complications, drug checking Resuscitation [should have documented CPR sign off from local institution] Obtaining adequate aspirate and trephines samples Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	Sterile procedure	
Local anaesthesia, pharmacology, complications, drug checking Resuscitation [should have documented CPR sign off from local institution] Obtaining adequate aspirate and trephines samples Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient		
Resuscitation [should have documented CPR sign off from local institution] Obtaining adequate aspirate and trephines samples Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient		
institution] Obtaining adequate aspirate and trephines samples Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	Local anaesthesia, pharmacology, complications, drug checking	
Equipment including BM needle, needles, syringes, slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	institution]	
slides* Difficult/special situations e.g. obese pts, hard bone, dry tap, children Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	samples	
Criteria for taking additional tests e.g. flow/molecular/cytogenetics Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient		
Post procedure: Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	Difficult/special situations e.g. obese pts, hard bone, dry tap, children	
Specimen labeling, handling, transport, sign in to laboratory Dressings, wound pressure, observations, advice to patient	Criteria for taking additional tests e.g. flow/molecular/cytogenetics	
Dressings, wound pressure, observations, advice to patient	Post procedure:	
patient	laboratory	
De symantetion of mucos dyna in accounts/		
Documentation of procedure in casenote/ Computer records	Computer records	
Identification, management & reporting of immediate and late		
complications/incidents	complications/incidents	

Please comment on other relevant aspects, especially on aspects for improvement (use the reverse side if insufficient room)

The table above should be used as a guide for grading the Bone marrow aspiration and trephine procedure.

Procedures

Date	Procedure	Hospital Number	Observed or performed	Grade	Assessor's Name & Signature

-				
			<u> </u>	

Outside Posting

In this segment these test are not performed in the department but are done in other departments. The trainees are expected to go to those departments and learn the principles and practice of the test. Find below the number for Junior and senior residency.

Procedure	Junior residence	:y
	Observed	Performed
Protein Electrophoresis	Technique	
	and	
	Principles	
Immunohistochemistry		
Immunophenotyping		
High Performance Liquid	Technique	
Chromatography for	and principles	
haemoglobin quantification		

Outside Posting

Date	Procedure	Hospital Number	Observed or performed	Grade	Assessor's Name&Signature

Clinical Case Presentation

In preparation for fellowship examination the trainees will be expected to present a minimum of 20 cases for Junior Residency to be eligible for examination. The following areas need to be assessed by the trainer before arriving at the overall grade.

Complexity of case (tick box) ...low ...medium ...high

Brief description of case presented, discussed and assessed

Why was this case selected for discussion?

Does this case broaden the trainee's experience by being different from previous cases that have been/ is the resident able to grasp the peculiarity of the case

Discussed? ...yes ...no ...n/a

Discussed?yesnon/a			
Please indicate whether these aspects of the trainee's performance are as	Yes	No	n/a
expected or better than expected for the stage of training			
Ability to present case clearly and concisely			
Good understanding of clinical issues relating to the case			
Good understanding of laboratory issues relating to the case			
Depth of understanding and awareness of current literature relevant to this case			
Ability to interpret results in a balanced and rational way			
Ability to provide and clearly communicate well reasoned professional advice			
Ability to clinically correlate the laboratory investigations results in the setting of clinical			
presentation of the patient.			
Ability to suggest further relevant or more useful investigations towards the management of			
the patient in relation to diagnosis and monitoring including prognosis.			
Ability to communicate findings to a non-medical person (e.g. patient, lawyer)			
Understanding of management and financial aspects of the case			
Overall laboratory and clinical judgment			

Case Presentation Scoring Sheet

	ease Fresentation Secting Sheet							
National Post Graduate		Haematology Sign up forms for		Training Year				
Medical College		Clinical Presentation/Meetings						
Dat	Description of meeting (Ward round/clinic/clinical meeting)	Case Presented by trainee	Grade	Comment	Assessors name/signature			

_			

Seminar Presentation

The trainee is expected to present seminars to the department to be graded and signed. The trainee is expected to have given a minimum of 5 seminars to be eligible for examination. Kindly note that a candidate should attend at least 75% of all seminars presented in the department

Seminar Presentation Scoring Sheet

National Graduate College	Post e Medical	Haematology Sign up forms for Seminars	Training Year	
Conege	Date	Topic presented	Grade	Assessor's Name/Signature
				Name/Signature
	_		_	

Other meetings

Apart from departmental seminars, the trainee is expected to attend multidisciplinary clinical meetings, clinic-pathology meetings and other meetings that the department partakes in including ground rounds.

		Training Year	
Date	Brief description of the meeting	Trainee	Assessor's
		presented a	Name/Signature
		case	
		Yes/No	

Rotating Residents Log sheet

For residents in other specialties of Pathology rotating for 3 months in haematology, they will be expected to carry out the following investigation as enumerated below with an understanding of the theoretical basis.

LIST OF PROCEDURES

S/N	SPECIFIC LABORATORY PROCEDURE	Observed	Performed
	Specimen reception and handling	5	-
	Preparation & Staining of peripheral blood smears ()	5	5
	Preparation & Staining of Bone marrow smears ()	5	2
	Manual Leucocyte count ()	5	2

Manual platelet count ()	5	2
Automated full blood count ()	5	-
Identification and interpretation of haemoglobinopathy slides ()	3	2
ABO and RH grouping ()	6	11
Cross matching ()	3	1
Seminar presentation (2)		2
Case Presentation (2)		2
Haemaocrit estimation ()	10	10
Prothrombin time ()	1	1
Activated partial thromboplastin time ()	1	1
Bone marrow aspiration and Trephine biopsy ()	1	1
Erythrocyte Sedimentation rate (5)	3	2

Procedure signing sheet

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

	1		
	l .		

Assessment of Attitudes

This section is used to assess the attitude of the resident. It is compulsory for primary residents and rotating residents.

GRADES

ATTRIBUTE	А	В	С	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 Dates:	 	 	 	

Name of Resident
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.
Will you advice Counselling

SECTION FOUR: ROTATIONS

ASSESSMENT DURING OTHER PATHOLOGY SPECIALTIES ROTATIONS

ANATOMICAL PATHOLOGY ROTATION LOG SHEET

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

Module 2	Task/activity
Autopsy Pathology	Gathering of clinical information from the case notes and results of radiological and laboratory investigation
	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

Module 3	Task/activity	Observed/
Academic/Clinical Presentations	Postgraduate Seminar	
	Resident Seminars/Tutorials	
	(Breakfast meeting)	
	Slide seminars	
	Clinicopathological conference	
	Multidisciplinary Team meetings	
	Gross conference	
	Journal Club	
	Guest lecture	
	Autopsy review	

Hospital grand round	
Slide Club	

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

		•	Accession/	n/ Reception Procedures (30 observed)				
Date	Lab Number	Remarks/Diagnosis		Assessor's Name & Signature		Date	Lab Number	Ren
			A agassian/ I	Decention Due	andu	mag (20 mant	Commad)	
Date	Lab Number	Remarks/Diagnosis	Accession/ F	Reception Pro Assessor's Name & Signature	ceau	Date	Lab Number	Ren
		•		•				-

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

	Cut-up Procedures (30 observed)							
Date	Lab Number	Remarks/Diagnosis	Assessor's Name & Signature		Date	Lab Number	Rema	

							Cut-i	 1p Procedur	es (20	nerforme	ed)			
Date		Lab Nur	nber	Remarks/Diagnosis				Assessor's Name		Date		Lab Num	ber	Rem
								& Signature						
Date	Lal) Number	Rem	arks/Diagnosis		aboratory P	Grade of performed tasks	Assessor's Name & Signature		Date	Lab Nui		Rema	
				N	Manual a	nd automa	ted tissue	processing-	embed	lding and	l micro	otomy	(2 0	bser
				M	lanual an	nd automat	ed tissue	processing-e	mbed	ding and	micro	tomy	(2 pc	erfor
							1. 75	<u> </u>	A 753	<u> </u>	(10			
						Haematox	ylin /Eosi	n Staining o	f Tissu	ie Section	1S (10 c	observ	ved)	
							1	G. A.A.	—		(10			
						Haematoxy	ylin/Eosin 	Staining of	Tissue	Sections	s (10 pe	erforr	<u>ned)</u>	
													·	

Troub	ole shooting/	quality control of tissue sections (ident	ification of	technical def	ects	and det	ermination	of correct
7	Trouble sho	oting/quality control of tissue sections (identificatio	on of technic	al d	efects an	d determin	ation of co
		9 1 ,		performe				
								n 1 m
Date	Lab Number	Remarks/Diagnosis	Grade of performed	Assessor's Name &		Date	Lab Number	Remarks/Dia
			tasks	Signature				
		Performance of histo	ochemical to	echniques (sj	ec1	al stains) 	in diagnos	is (1 observ
		D 6 61.4	1 1 1			1	7	(1 6
		Performance of histo	cnemicai te	cnmques (sp	ecia	i stains) i	in diagnosis	(1 perior
		Principle of Immunohistochemi	cal Techniq	ues and use	in di	iagnosis/i	managemei	nt of patie
		Evaluation of Immunohistochemis	stry Slides a	and the use in	n dia	agnosis a	nd clinical	manageme
								1
			1			I		

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)

1	Gatherin	g of clinical/premorbid information from the case notes/informants (including results of relevant clinical and laborate
S/No.	PM No.	Cause of Death (fill in recommended WHO format)
1.		1a
i		1b
		1c
İ		2
2.		1a
İ		1b
İ		1c
İ		2
3.		1a
ı		1b
ı		1c
İ		2
4.		1a
ı		1b
ı		1c
ı		2
5.		1a
ı		1b
ı		1c
ı		2

		ical/premorbid information from the case notes/informants (including results of relevant clinical and la
S/No.	PM No.	Cause of Death (fill in recommended WHO format)
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.		
Te 2 1a 1b 1c 2 2 2 2 2 2 2 2 2	6. 1a	
The continue of the continue	1b	
7.	1c	
1b	2	
1c 2	7. 1a	
Second Second	1b	
8.	1c	
1b	2	
1c 2 1a	8. 1a	
9.	1b	
9.	1c	
1b 1c 2 10.	2	
10.	9. 1a	
10.	1b	
10.		
1b 1c		
1c		
	1c	

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 obse
S/No.	PM No.	Cause of Death (fill in recommended WHO format)
1.		1a
		1b
		1c
		2
2.		1a
		1b
		1c
		2
3.		1a
		1b
		1c
		2
4.		1a
		1b
		1c
5.		1a
		1b
		1c
		2

		Experience in performing general autopsies including good dissection techniques (20 perfo
S/No.	PM No.	Cause of Death (fill in recommended WHO format)

1. 1		1a
		1b
		1c
		2
2.		la la
		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)

periorine	<u>u)</u>	Experience in performing general autopsies including good dissection techniques (5 obs
S/No.	PM No.	Cause of Death (fill in recommended WHO format)
1.		1a
		1b
		1c
		2
2.		1a
		1b
		1c
		2
3.		1a
		1b
		1c
		2
4.		1a
		1b
		1c
5.		2 1a
3.		1b
		1c 1c
		2

		Experience in performing general autopsies including good dissection techniques (20 pe
S/No.	PM No.	Cause of Death (fill in recommended WHO format)
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)

C/No	Curried / Doct	Description of notted organ with discussion
S/No.	Surgical/Post	Description of potted organ with diagnosis
	Mortem No.	

1.								
2.								
3.								
4.								
5.								
		Gradin	g: A-Excellent, B-		od, D-Fair, E-Poor		(4)	
C/No.	Ις.	1		Kecoras of	Postgraduate Se	eminar Presented	(1 requirea)	
S/No	Date	Topic						Gı pre
1.								
2.								
3.							(o : 1)	
4				Records of	Postgraduate S	eminar Attended	(8 required)	
1. 2.								
3 .								
4. 5.								
6.								
7.								
8.								
9.								
10.								
10.								
Records (of Resident's	Seminars/Tuto	rials (breakfast	meetings) (45	observed, 5 perf	ormed)		
				Records of	f Resident's Sen	ninar Presented (5	5 required)	
S/No	Date	Topic						
1.								
2.								
3.								
4.								
5.								
		Record	s of Resident's	Seminar Atten	ded (45 required	I)		
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44.	
45.	

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

Records of Slide Seminars Presented (8 required)

		Records of Sinde Seminars Presented (8 required)							
S/No	Date	Topic/Diagnosis/Description	G						
1.			, pi						
2.									
3.									
4.									
5.									
6.									

7.						
8.						
			Rec	ords of Slide Seminars	Attended (8 required)	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
	1_				1	
S/No	Date	Topic	/Diagnosis/Description		Indicate Presented or Attended	Gra top
					or Attended	100
	<u> </u>		Records of C	Clinicopathological confe	erence (3 observed, 0 perform	ed)
1.						
2.						
3.			Multidia	oinlinany Toom mooting	gs (5 observed, 0 performed)	
1.			Muludis	scipinary Team meeting	gs (5 observed, 0 performed)	
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				Gross conference (8 obs	erved, 2 performed)	
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10.				Tournal Club (9 about	wod 2 noufoumod)	
1.				Journal Club (8 obser	veu, 2 periormeu)	$\overline{}$
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				Guest lecture (1 obser	ved, 0 performed)	
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17.					
	_ <u>I</u>		Hospital grand round (1 o	bserved, 0 performed)	I
1.					
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			Slide Club (3 observ	ed, 0 performed)	I
1.					
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	I TEST A	SSESSMENT			
ACTIVI		DOEDOIVIEIN I	DATE		CORE
			DATE	3	CORE
PRE-TE					
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		er Excellent - A, Good - B, Average -C, B		1	
		me/sign/date			
Academ	nic coord	nator name/sign/date		•••••	
Head of	Depart r	nent name/sign/date		•••••	
HOD Re	marks				
		•••••			

Autopsy review (15 observed, 2 performed)

JUNIOR RESDENCY ROTATIONS

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		NA			
Laboratory Reception Workflow	2 weeks	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 Instrumentati on	2	1				
Analytes	2	1				

Molecular Diagnostics and Genetics	2	1		
and Genetics				
Pathophysiol ogy	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 eg. 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 Estimatio n	Observ e	Perfor m	WET PRACTICAL SESSION	Observed/ Performed	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
Glucose	2	2				

Creatinin e	2	1		
Urea	2	1		
Calcium	1	1		
Total Cholester	1	1		
ol				
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	Observ ed/ Perfor med	Grade (A – E, or NA)	Supervising Consultant's Signature & Date
GI (O CITIL)						
Glucose/OGTT/ HbA1c	4	4				
Electrolytes/Ur	2	2				
ea/Creatinine						
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,	1	NA		
Dexamethasone Suppression Test, etc)				

^{*} 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	Obser	Perfor	BENCH CALL SESSION	Observe	Grade	Supervising
	ve	m		d/	(A –	Consultant's
				Perform ed	E, or	Signature & Date
				eu	NA)	
					1112)	
G1 /0G	,					
Glucose/OG TT/	4	4				
HbA1c						
	2	2				
	<u> </u>					

Electrolytes/ Urea/Creatin ine				
Lipid profile	2	NA		
Liver	2	NA		
Enzymes	_	1111		
Bilirubin	2	NA		
Cardiac	2	NA		
Markers				
CSF	2	NA		
Analysis				
Haemoglobi	2	NA		
n Quantitation				

^{*} 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

Journal 1 Club/Article Review	2		
Metabolic 10 Clinic	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

NAME, SIGNATURE & DATE OF RESIDENCY TRAINING COORDINATOR
NAME, SIGNATURE & DATE OF HEAD OF DEPARTMENT

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

TH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE D FILM - PREPARATION, EX ASSESSORS NAME/ SIGNATURE/DATE	S/N 6. 7. 8. 9.	PATH ID	DATE	GRAD E GRAD E	ASSESSORS NAME/ SIGNATURE/DATE ASSESSORS NAME/ SIGNATURE/DATE
ABORATORY P	ROCEDURE;	THICK BLOOK	D FILM - PREPARATION, EXAMPLE ASSESSORS NAME/	6. 7. 8. 9. 10. (AMINAT S/N 6.	ION AND REPORTI	ING	E GRAD	ASSESSORS NAME/
			ASSESSORS NAME/	7. 8. 9. 10. KAMINAT S/N 6.		•		
			ASSESSORS NAME/	8. 9. 10. (AMINAT S/N 6.		•		
			ASSESSORS NAME/	9. 10. (AMINAT S/N 6.		•		
			ASSESSORS NAME/	10. KAMINAT S/N 6.		•		
			ASSESSORS NAME/	S/N 6.		•		
			ASSESSORS NAME/	S/N 6.		•		
TH ID	DATE	GRADE		6.	PATH ID	DATE		
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				1 ′				
				8.				
				9.				
				10.				
ABORATORY P	ROCEDURE;	URINE WET I	MOUNT - PREPARATION,	EXAMINA	TION AND REPOR	TING		
TH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRAD E	ASSESSORS NAME/ SIGNATURE/DATE
				6.				
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				10.				
ABORATORY P	ROCEDURE;	STOOL WET I	MOUNT – PREPARATION,	EXAMINA	TION AND REPOR	TING		
TH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRAD E	ASSESSORS NAME/ SIGNATURE/DATE
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				BORATORY PROCEDURE; STOOL WET MOUNT – PREPARATION, 1 ID DATE GRADE ASSESSORS NAME/				

5/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRAD E	ASSESSORS NAME/ SIGNATURE/DATE
					3.			1	
					4.				
PECI	FIC LABORATORY PR	OCEDURE;	OTHERS				I		
/N	PATH ID	DATE	GRADE	ASSESSORS NAME/ SIGNATURE/DATE	S/N	PATH ID	DATE	GRAD E	ASSESSORS NAME/ SIGNATURE/DATE
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irad	e level could be ei	ther Excel	lent - A, Goo	d - B, Average -C, Bo	derline -	D, Fail – E			
TEI	RIOLOGY SE	CTION			ee level				
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	ID			RS NAME/ RE/DATE	١	D		E	SORS NAME/ ATURE/DATE
IC L	_ LABORATORY PR	OCEDUR	E; STOOL M	ICS					
	ID		E SO	RS NAME/ RE/DATE	I	D		E	SORS NAME/ ATURE/DATE
IC L	ABORATORY PR	OCEDUR	E; BLOOD N	иcs	I I		L	1	1
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M	YCOBACTER	IOLOG	Y SECTI	ON	Tra	inee level			
	ABORATORY PR /Sensitivity	OCEDUR	E; SPUTUM	Microscopy (ZN, F	luoresce	nt)), Culture – I	iquid, solid,	automa	ted, Molecular
	ID		Ε	SORS NAME/		ID		E	SORS NAME/
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GRADE

SPECIFIC LABORATORY PROCEDURE; OTHERS – SKIN SNIPS, ECTOPARASITES

ASSESSORS NAME/

SIGNATURE/DATE

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GRAD E ASSESSORS NAME/

SIGNATURE/DATE

DATE

	ABORATORY PRO Sensitivity	CEDURE; (OTHERS ((ZN, Fluorescent)), Cul	ture –	liquid, solid, autor	nated, N	/lolecular	
	ID) E		SORS NAME/ ATURE/DATE		ID			SORS NAME/ ATURE/DATE
Grade	level could be eith	er Excellen	t - A, Goo	d - B, Average -C, Borde	rline - D), Fail – E			
FIC LA	ABORATORY PRO	CEDURE; (OTHER		ee lev	/el			
	ID			SORS NAME/ ATURE/DATE		ID		ÞΕ	SORS NAME/ ATURE/DATE

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

ACADEMIC ASSESSMENT

		DURATION			
/N	SEMINAR PRESENTATION/DATE	GRADE	ASSESSORS NAME & SIGNATURE/DATE		
CLINI	CAL ACTIVITIES E.G. PRESENTATIONS/DATE				

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

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