



**NAJRAN UNIVERSITY
COLLEGE OF APPLIED MEDICAL SCIENCES**

MEDICAL LABORATORIES SCIENCES DEPARTMENT

Internship Log Book

Interne's Name: _____

Interne's ID Number: _____

1) LAB SECTION: RECEPTION & PARASITOLOGY.

Please note: The interne should spend a minimum of 22 working days' training.

Interne's Duties and Tasks:

By the end of working in this section, the interne should be able to:

- 1) Perform blood sampling from patients of all ages.
- 2) Collect clinical specimens from patients in the proper ways.
- 3) Handle clinical specimens professionally.
- 4) Perform lab request filling as well as entering, coding and recording patient's data.
- 5) Distinguish between routine and STAT lab tests.
- 6) Perform urine analysis professionally as regarding macroscopic, microscopic and biochemical examination.
- 7) Perform stool analysis efficiently considering macroscopic and microscopic examination.
- 8) Report and verifying laboratory test results.
- 9) Take appropriate actions when a result has serious clinical implications.
- 10) Ensure test results to be interpreted correctly and adequate records to be kept.

2) LAB SECTION: HAEMATOLOGY.

Please note: The interne should spend a minimum of 22 working days' training.

Interne's Duties and Tasks:

By the end of working in this section, the interne should be able to:

- 1) Measure haemoglobin and basic investigation of anaemia.
- 2) Measure packed cell volume and calculation of red cell indices.
- 3) Perform white blood cell (WBC) count platelet count and differential WBC count.
- 4) Report blood films: red cells, white cells, platelets.
- 5) Perform erythrocyte sedimentation rate and Reticulocyte count.
- 6) Invest of sickle cell disease.
- 7) Interpret blood film appearances in thalassaemia syndromes.
- 8) Perform Haemoglobin electrophoresis.
- 9) Screen test for G6PD deficiency.
- 10) Utilize tests to screen for a bleeding disorder.
- 11) Report and verifying haematological test results.
- 12) Take appropriate actions when a result has serious clinical implications.
- 13) Ensure test results to be interpreted correctly and adequate records to be kept.

3) LAB SECTION: MICROBIOLOGY.

Please note: The interne should spend a minimum of 22 working days' training.

Interne's Duties and tasks:

By the end of working in this section, the interne should be able to:

- 1) Perform staining techniques and quality control (QC) of stains.
- 2) Utilize aseptic techniques and safe handling of infectious material
- 3) Prepare and do QC of culture media and preservation of stock strains used in performance testing.
- 4) Inoculate broth and agar culture media and plating out techniques.
- 5) Read and interpret cultures.
- 6) Use techniques to identify pathogens and the QC of diagnostic reagents, strips, and discs.
- 7) Perform antimicrobial susceptibility testing and QC of procedure and discs
- 8) Handle with efficiently lab equipments (daily and monthly maintenance) as cleaning and QC of equipment used in the microbiology laboratory, e.g. microscope, incubator, anaerobic jar, centrifuge, waterbath/heat block, autoclave, hot-air oven, and refrigerator.
- 9) Perform immunological techniques and QC of antigen and antibody reagents.
- 10) Utilize safe working practices.
- 11) Report and verify microbiological test results.
- 12) Take appropriate action(s) when a result has serious patient or public health implications.
- 13) Interpret test reports correctly.

4) LAB SECTION: CLINICAL CHEMISTRY.

Please note: The interne should spend a minimum of 22 working days' training.

Interne's Duties and tasks:

By the end of working in this section, the student should be able to:

- 1) Do all clinical laboratory tests under supervision.
- 2) Gain knowledge of specimen collection & sample preparations.
- 3) Recognize the rules of sample rejection.
- 4) Register samples & results.
- 5) Follow up of all laboratory tests till reach back the referral site (OPD, ER ...).
- 6) Make daily & monthly statistical reports preparations about every laboratory test.
- 7) Maintain & follow up of damaged machines with other hospital responsible persons.
- 8) Interpret test results of the unit.
- 9) Know the TAT (turnaround time) of routine, emergency & STAT laboratory tests.
- 10) Deal with critical laboratory results & panic values.
- 11) Apply the laboratory disaster plan.
- 12) Apply general safety basics implementation during the daily work.
- 13) Implement laboratory quality management.
- 14) Perform other duties as assigned or required.

5) LAB SECTION: BLOOD BANK, SEROLOGY, IMMUNOLOGY & VIROLOGY.

Please note: The interne should spend a minimum of 22 working days' training.

Interne's Duties and tasks:

By the end of working in this section, the interne should be able to:

- 1) Do all clinical laboratory tests under supervision.
- 2) Gain knowledge of specimen collection & sample preparations.
- 3) Recognize the rules of sample rejection.
- 4) Register samples & results.
- 5) Follow up of all laboratory tests till reach back the referral site (OPD, ER ...).
- 6) Make daily & monthly statistical reports preparations about every laboratory test.
- 7) Maintain & follow up of damaged machines with other hospital responsible persons.
- 8) Interpret test results of the unit.
- 9) Know the TAT (turnaround time) of routine, emergency & STAT laboratory tests.
- 10) Deal with critical laboratory results & panic values.
- 11) Apply the laboratory disaster plan.
- 12) Apply general safety basics implementation during the daily work.
- 13) Implement laboratory quality management.
- 14) Perform other duties as assigned or required.

6) LAB SECTION: HISTOPATHOLOGY.

Please note: The interne should spend a minimum of 22 working days' training.

Interne's Duties and tasks:

By the end of working in this section, the interne should be able to:

- 1) Do all clinical laboratory tests under supervision.
- 2) Gain knowledge of specimen collection & sample preparations.
- 3) Recognize the rules of sample rejection.
- 4) Register samples & results.
- 5) Follow up of all laboratory tests till reach back the referral site (OPD, ER ...).
- 6) Make daily & monthly statistical reports preparations about every laboratory test.
- 7) Maintain & follow up of damaged machines with other hospital responsible persons.
- 8) Interpret test results of the unit.
- 9) Know the TAT (turnaround time) of routine, emergency & STAT laboratory tests.
- 10) Deal with critical laboratory results & panic values.
- 11) Apply the laboratory disaster plan.
- 12) Apply general safety basics implementation during the daily work.
- 13) Implement laboratory quality management.
- 14) Perform other duties as assigned or required.

