

PRACTICAL SESSIONS FOR THE RENAL BLOCK - PATHOLOGY DISCIPLINE

1] Learning objectives:

At the end of the practical sessions for the renal block, the students should be able to:

1. Understand the normal constituents of the nephron, renal glomeruli and tubules.
2. Know the morphological features (gross and microscopic) of renal hydronephrosis, pyonephrosis, polycystic kidney disease, Wilm's tumour, renal cell carcinoma and urothelial carcinoma of the urinary bladder. In addition to the microscopical characteristics of post-streptococcal glomerulonephritis, chronic pyelonephritis and clear cell carcinoma of the kidney.

2] Equipments:

- Projector.
- Computer.
- Power point software.
- CD of the practical session contents is given to all students.
- Light microscopes and museum jars.

3] Target audience:

First year medical student (new improved curriculum).

4] Teaching format include:

- a) Introductory lecture.
- b) Explanation of all pertinent macroscopic and microscopic features by members of the teaching staff using power point software technology.
- c) Students are requested to study the microscopic slides and museum jars using practical handouts, photomicrographs and the slides provided in addition to the pathology museum material.

5] **Learning format:**

- a) Interactive lecture.
- b) Self directed study using the CD provided.
- c) Supervised microscopic slides examination using light microscopes.

6] **Materials and resources:**

The lectures for the practical session are given in the students laboratory - pathology department. This laboratory has the required technology as described before.

7] **Evaluation:**

The students will be evaluated using an OSPE in which the student is given short clinical histories relevant to the slides and specimen studied. He/she will be asked to identify the diseased organ and name certain lesions in addition to giving a pathological diagnosis.

8] **Schedule and location:**

Three practical sessions (each lasting for 2 hours) are given in the students pathology laboratory at KKHU.