

Department of
Internal Medicine
KFU, College of Medicine at Al-Ahsa

1. Internal Medicine
2. Nephrology
3. Cardiology
4. Pulmonology
5. Gastroenterology
6. Rheumatology
7. Infectious diseases
8. Endocrinology
9. Oncology & Hematology
10. Dermatology

1. **INTERNAL MEDICINE:** The specialty commonly deals with diagnosis and management of common medical problems such as diabetes mellitus and chronic medical problems of aging.
2. **NEPHROLOGY:** The specialty deals with diseases related to kidney and renal failure, dialysis of patients who developed kidney failure due to multiple diseases such as hypertension, diabetes and glomerulonephritis, etc. and post-renal transplantation follow-up. The nephrologist is expert in the diagnosis of kidney diseases and their management.
3. **CARDIOLOGY:** deals with diseases related to heart such as heart beat irregularities, heart failure, coronary arteries, etc. The common procedures carried out by the cardiologist are, Echocardiogram, Stress test for the assessment of coronary angiography to look for any heart vessel blockage, and ECG which is helpful in the diagnosis of heart attack and many heart problems.
4. **PULMONOLOGY:** The Pulmonologist deals with the diagnosis and treatment of chest diseases such as Bronchial Asthma, Bronchitis, Pneumonia, Tuberculosis, and other chest problems. The commonly performed procedures are Bronchoscopy which is helpful procedure in the diagnosis of various types of respiratory diseases.
5. **GASTROENTEROLOGY:** The specialty deals with diagnosis and treatment of gastric problems, such as heartburn, vomiting, loose motions, bleeding from stomach and bowel, liver diseases such as various types of hepatitis, Jaundice etc. The common procedures done by gastroenterologist are Endoscopy for the diagnosis of stomach diseases and Colonoscopy for the diagnosis of intestinal diseases.

6. **RHEUMATOLOGY:** deals with diagnosis and treatment of musculoskeletal diseases such as Rheumatoid arthritis, Systemic lupus erythematosus, Systemic sclerosis, Vasculitis, Osteoarthritis, and other related diseases etc.
7. **INFECTIOUS DISEASES:** The specialty deals with various types of human infections such as Enteric fever, tuberculosis, HIV, various types of parasitic , protozoal, bacterial, fungal and viral infections of the body.
8. **ENDOCRINOLOGY** is a branch of medicine dealing with disorders of the endocrine system such as diabetes, thyroid, parathyroid, adrenal, pituitary, gonadal diseases, and many others related diseases
9. **ONCOLOGY & HEMATOLOGY:** The specialty deals with diagnosis and management of various types of cancers such as leukemia, lymphoma, multiple myeloma, and solid tumors, and blood related diseases such as sickle cell anemia and other causes of anemia, bleeding disorders etc.
10. **DERMATOLOGY:** The specialty deals with various skin diseases and its treatment such as allergic skins diseases, urticaria, infections of skin etc.

The department of Medicine is providing education, teaching and training to undergraduate medical students. The hospital based clinical training for the medical students starts in the 4th year and is continued till end of 6th (final) year.

FOURTH YEAR TEACHING INTERNAL MEDICINE I CURRICULUM

1st Semester: The 4th year curriculum starts with 3 months of teaching and training of Clinical Skills at on campus state of the art Clinical Skills Lab where medical and surgical skills are taught and practiced on manikins and simulators. The clinical skills training is provided under the guidance of subject expert teachers. The students are also provided video and internet teaching aids. At the end of the term, bedside clinical skills are evaluated by the staff. The students are given regular verbal counseling about their performance. The faculty teaching is evaluated by the students and feedback is provided to the faculty for their quality of teaching skills improvement.

2nd Semester: The second semester is 3 months of Integrated Health Sciences Module. The Problem Based Learning (PBL) method of teaching the curriculum is adopted. The clinical cases (curriculum) for the PBL is prepared and designed by the committees of faculty who has the experience in PBL. The curriculum is devised in such a way that the learning objectives should be met by self learning and small group discussions among the students. The students are encouraged to learn and solve the medical problems through self learning and small group discussion. Each small group of students is guided by a qualified facilitator who keeps the record of various outlined competencies of students. A written guide book is provided to each student and facilitator. Students are provided with diversified learning tools such as video and internet services which could help them to retrieve learning educational materials from diversified sources. The evaluation is based on the continuous assessment provided by the facilitators, satisfactory completion of teaching assignments and partly in from of written examination.

3rd Semester: This comprise of 6 weeks of rotation in Medicine and Surgical wards. During this rotation, students are expected to learn history taking skills and practice medical diagnosis of disease based of their basic knowledge, history and clinical skills. During this rotation, didactic lectures about common medical problems are delivered by the faculty. At the end of term, a bedside examination is done to evaluate the clinical skills of the students. A written exam is also conducted to evaluate the theoretical knowledge of students.

FIFTH YEAR TEACHING

1- INTERNAL MEDICINE II CURRICULUM

COURSE DURATION: 6 WEEKS CLINICAL CLERKSHIP

CREDIT UNITS: 6 CREDIT HOURS

At the completion of the course it is expected that the student will be competent to:

1. Complete history with personal bio-data of the patients in a systematic manner.
2. Perform complete general physical and systematic examination.
3. Come up with differential diagnosis based on history and physical examination.
4. Propose appropriate investigation to substantiate his clinical diagnosis
5. Know the principles of the management of common medical conditions
6. Have good knowledge of the pathogenesis, clinical manifestations, differential diagnosis and management of common medical diseases.
7. Acquire the knowledge of ethics in medicine

STUDY PLAN for 5th YEAR Medical Students

MEDICAL GROUP: INTERNAL MEDICINE (6 WEEKS), (NEUROLOGY 3 WEEKS) & (DERMATOLOGY 3 WEEKS) and PSYCHIATRY (6 WEEKS)

- ✚ After 3 weeks, the medical and surgical batches will swap with each other.
- ✚ During Internal Medicine rotation the batch will be further subdivided into 2 subgroups, and each subgroup will rotate for 2 weeks in the specialty of (Cardiology, Pulmonary Medicine & Gastroenterology) and (Nephrology, Endocrinology and Rheumatology)
- ✚ Lectures will be held in the Hall C of the Recreation Center of King Fahd Hospital as per schedule

2- DERMATOLOGY CURRICULUM

COURSE DURATION: 3 WEEKS CLINICAL CLERKSHIP

COURSE UNITS : 3 CREDIT HOURS

Through this clinical rotation and lectures, it is expected that students will be competent to:

1. To acquire the knowledge and experience of Dermatology
2. To have knowledge and competency to manage common skin disorders
3. To understand diagnostic and therapeutic procedures of common dermatological disorders
4. To have knowledge of common dermatological disorders seen in the kingdom

The continuous assessment will be based on attendance, logbook and participation in clinicopathological conferences (CPC)

The clinical exam will be conducted at the end of the Dermatology clinical rotation.

The whole batch of 6th year students will be divided into four main groups (A & B & C & D). Each group will be assigned to departments of Internal Medicine, General Surgery, Obstetrics & Gynecology and Pediatric at KFHH and other affiliated Hospitals. Each two groups will swap on a rotatory basis with each other after finishing 9 weeks of rotation in the corresponding department. The Internal Medicine group will be divided into two subgroups. They will swap with each other after finishing 4 weeks. The last week will be for revision and final clinical and written examinations.

1. **Clinical Teaching Rounds:** Respecting all Hospital regulations and behave in a good manner and follow the rules of medical ethics in his relationship with physicians, students, nurses, workers and patients, the students will select the cases to be discussed. The student will present the cases, relevant physical and investigational findings. A rational problem list will be suggested and discussed as well as ways to solve the problems and various aspects of the management of the individual patient. A discussion of general conclusions to be drawn from the case should follow. Preferably, representative cases of major problems should be selected. Clinical teaching will be 3 days/week
2. **Clinical Clerkship:** The students will be distributed on the beds in the medical ward, KFHH. Each student will participate in the management of patients on two specific beds through the 8 weeks course. These patients should be followed up regularly in the hospital. Case records should be complete record of positive and negative findings, and they must include a detailed record of management and follow up. They will be assessed by a faculty. It is expected from each student to present and write report about his patient to the faculties.
3. **Emergency Medicine:** Each student is expected to attend Internal Medicine ER 3 hours weekly including other related sub-specialties as ER-Hemodialysis, ICU and CCU to learn emergency and acute management of acute medical conditions. Case records should be complete to record positive and negative findings, and they must include a detailed record of management and follow up. They will be assessed by a faculty. The students will be distributed to attend emergency related subspecialties as ER, Hemodialysis, ICU and CCU.
4. **Lectures:** The students of each batch are expecting to attend their related lectures. Internal medicine lectures (35 Lectures) will be delivered by faculties to cover related topics. The lectures will be repeated to each batch of VI year throughout the whole academic year. The lectures will be daily throughout the 8 weeks clinical rotation from 1 to 2 PM in the lecture Hall in the Faculty of Medicine.
5. **Morning Meetings:** Each student is expected to attend and participate actively in the Clinical morning meetings of the department daily.
6. **CPC:** Six sessions of presentation of IM cases will be done, each student is expected to present a case to all students of the batch. The discussion will be guided by a faculty.