

THE CURRICULUM (473 PED)

It is impossible to cover all topics in details in this course. However, emphasis is put on graduating general physicians who have enough basics in pediatrics.

The following is a concise outlook of the curriculum:

1. Lectures and Tutorials

Series of lectures covering selected topics in pediatrics will be delivered to all students together during the whole course. Eight tutorials each will be given 4 times. Each time will include one major group (A, B, C, or D). **Students are expected to come fully prepared for the tutorial sessions.** The tutors were encouraged to distribute handouts to the students before the tutorials to help them prepare.

1.1 TOPIC CONTENTS OF THE COURSE

1.1.1 Development and behavior in pediatrics

- § Normal development
- § Developmental assessment
- § Developmental delay (excluding mental retardation)
- § Behavior
 - Normal versus abnormal
 - Common behavioral problems (e.g., temper tantrum, attention seeking, etc.)

1.1.2 Nutrition

- § Breastfeeding
- § Bottle feeding
- § Normal nutritional needs
- § Protein-calorie malnutrition
- § Failure to thrive
- § Obesity
- § Vitamin deficiency (e.g. Vit. D deficiency)

1.1.3 Neonatology

- § Normal newborn
- § Common disorders; respiratory distress, sepsis, others

1.1.4 Genetics

- § Basics of inheritance
- § Approach to dysmorphic children
- § Examples of common syndromes e.g., Trisomy 21, 13, 18; Turner syndrome

1.1.5 Metabolic disorders

- § Presentation and detection
- § Approach to suspected metabolic diseases e.g., galactosemia, aminoacidopathies, organic academia, storage diseases

1.1.6 Allergy, Immunology and immunization

- § Basics of immunity
- § Common Allergic conditions
- § Common immune deficiency disorders
- § Active and passive immunization

1.1.7 Rheumatic and autoimmune disorders

- § Juvenile rheumatoid arthritis
- § Systemic lupus erythematosus

- § Myositis
- § Henoch-Schonlein purpura
- § Kawasaki syndrome

1.1.8 Infectious Diseases

§ Common infections:

Measles, chicken pox, rubella, scarlet fever, stomatitis, tonsillitis, otitis media, URI, sinusitis, infectious mononucleosis, cellulites, congenital infections, poliomyelitis, tetanus

§ Serious infections:

Meningitis, encephalitis, osteomyelitis, tuberculosis, brucellosis, malaria, leishmaniasis, HIV infection

1.1.9 Gastroenterology and hepatology

- § Acute and chronic diarrhea and constipation
- § Structural and functional disorders of the GI tract
- § Childhood liver diseases (infantile cholestasis, hepatitis, liver failure and metabolic liver disease)

1.1.10 Respiratory tract diseases

- § Disorders of the upper airway
- § Disorders of the lower airway

1.1.11 Congenital and acquired heart diseases

- § Common congenital defects
- § Rheumatic fever
- § Infective endocarditis
- § Heart failure
- § Common arrhythmias in children

1.1.12 Hematology

- § Common hematological problems (anemias)
- § Disorders of hemostasis

1.1.13 Oncology

- § Pediatric malignancies
- § Side effects of chemotherapy

1.1.14 Diseases of urinary system

- § Nephrosis-nephritis-renal failure
- § UTI and obstructive uropathies

1.1.15 Fluid, electrolytes and acid base disturbances

1.1.16 Neurology

- § Seizure disorders
- § Mental retardation and cerebral palsy
- § Neuromuscular disorders and hypotonia

1.1.17 Endocrine disorders

- § Thyroid, adrenal and bone mineralization disorders
- § Polydipsia, polyuria and blood sugar disorders
- § Disorders of growth and puberty

1.1.18 Dermatology

- § Description
- § Neonatal skin rashes
- § Dermatitis
- § Skin infections

1.1.19 Emergency

- § Coma
- § Shock
- § Burns
- § Other common pediatric emergencies

1.1.20 Poisoning

- § Treatment
- § Prevention
- § Environmental hazards

2. Clinical Teaching:

2.1 Formal teaching

Two (2) bedside teaching sessions are conducted by a teaching staff each week. Usually cases are prepared by students who present it to the group for discussion to demonstrate the relevant historical data and physical findings. Activity takes place from 9:00 – 12:00 PM.

Students will be divided into 12 groups to be posted into different hospitals for them to swap posting at a certain time of the cycle.

2.2 ER, OPD, Nursery & Ward rotations

During rotations, students in each subgroup are divided into small groups of 3-5 students each. They rotate through: Ward, ER, OPD, or Nursery (level 1 and 2 only).

During the ward rotation, each student should follow 1-2 patients at a time. The student is expected to function as a “sub-intern” with direct involvement in patient care. They are expected to clerk patients, observe different aspects of inpatient care and share in the rounds with the team.

In OPD or Nursery sessions each subgroup is divided into 2, one half attends in the morning and the other in the afternoon.

In ER sessions each sub group is divided into 3, each will attend a 4 hours shift: 8-12, 12-4, and 4-8. The shifts should rotate in different sessions.

3. Attending the continuous medical education in the department. (See attached schedule)

NOTES:

1. Students who are doing ward and those who are having clinical sessions, except those who are preparing cases, are required to attend the morning report at 8:00 in the Pediatric Seminar Room.
2. **Each student should:**
 - a) *Wear white coat*
 - b) *Wear his / her I.D.*
 - c) *Bring his / her own equipment*
 - d) *Dress according to the dress code assigned by the college.*

WEEKLY DEPARTMENTAL ACTIVITY (KKUH)
PLACE: SEMINAR ROOM, DEPARTMENT OF
PEDIATRICS

DAY	TIME	ACTIVITIES
Sunday	8:00 – 8:30 AM	Morning Admission Rounds (GENERAL)
Monday	8:00 – 9:00 AM	Case Presentation
Tuesday	8:00 – 8:30 AM	Morning Admission Rounds (NICU,PICU,ER,OPD)
Wednesday	8:00 – 9:00 AM	Grand Rounds
Thursday	8:00 – 8:30 AM	Morning Admission Rounds (GENERAL)

NOTE:

1) Students who are doing ward and those who are having clinical sessions, except those who are preparing cases, are required to attend the morning report at the Pediatric Seminar Room. An attendance sheet will be distributed in each morning report to the students.

2) Those assigned in KFMC have to attend the daily morning meeting as scheduled and according to the instructions of the students' coordinator there.