



Course Syllabus of Pediatrics (block)

Faculty :Faculty of Medicine & Health Sciences

Department : Pediatrics

Program : Bachelor of Medicine and Surgery

I. General information about the course instructor :							
Name	Dr Muna Elnemr	Office Hours(3 Hours Weekly)					
Location & phone number	4125	Sat	Sun	Mon	Tue	Wed	Thu
Email	munaabdo@hotmail.com		10-12- pm			10-11 pm	

II. General information about the course							
1.	Course Title :	Pediatrics(block)					
2.	Course Code and Number :	BMD29					
3.	Credit Hours :	Credit Hours					Total
		Theoretical	Seminar/Tutorial	Practical	Clinical	Training	
		8	-	-	4	-	
4.	Level and Semester:	5th year-1st semester & 2nd semester (one for girls and one for boys)					
5.	Pre-requisites :	System blocks in the 2nd ,3rd & 4th years					
6.	Co-requisites :	None					
7.	Program in which the course is offered:	Bachelor of medicine and Surgery					
8.	Teaching Language:	English					
9.	Instruction location:	University of Science and Technology, Sana'a					

III. Course Description

This course provided for the 5th year medical students provide them with knowledge & competences relevant to common pediatric disorders as well as medical history taking of these disorders and Skills related to performing physical examination on infant, children .Principles of preventive medicine such as vaccination and nutrition are covered in this course. During this 12 weeks rotation, students are directly supervised by clinical instructors on the common pediatric diseases. This course also covers normal developmental and disorders related to behavioral aspects of children at different ages

IV. Course Aims:

The course aims are to :

1. Provide the students with the basic medical Knowledge related to the common pediatric & neonatal medical, surgical ,infectious and behavioral disorders .
2. Utilize students with performance of the clinical skills related to history taking & clinical examination of a pediatric patient as well as evaluating the growth and development of a child.
3. Expand the student's ability of analysis the common pediatric complains to reach to a rational differential diagnoses and management plan.
4. Recognize and aware students of some professional issues related to deal with a child patient.

V. Course Intended Learning Outcomes (CILOs) :

1. Describe different aspects of the normal growth and stages of development of children and its abnormal borders and to describe the natural history of common Pediatric disorders of different etiologies and its genetic background. .
2. Identify the diagnostic features, complications, diagnostic features and principles of prevention and treatment of common pediatric conditions and Be aware about socioeconomic and demographic factors that affect the health of children.
3. Clarify the main professional issues related to the dealing with pediatric patients and their parents.
4. Correlate the pathophysiological changes with the clinical history, clinical findings, the results of laboratory and imaging findings to reach into a provisional diagnosis.
5. Formulate a correct plan for the management of common pediatric problems.
6. Perform and document an accurate medical history and clinical examination of a child request appropriate investigations to reach a diagnosis.
7. Construct an appropriate management plan according to the diagnosis of common pediatric problems.
8. Perform under supervision (or observe) some routine technical and therapeutic procedures in the daily practice in the pediatric clinical wards and emergency rooms.
9. Provide general counselling regarding some pediatric problems such as malnutrition, and dealing with the patient and his parents and care givers by respect to their cultural, values and privacy
10. Work effectively in a team through preparing collective assignments and managing patients and presenting case studies.
11. Communicate verbally and in written forms. & uses his various Information technology skills.

VI. Course Contents				
First: Theoretical Aspects				
No.	Course Topics/Units	Sub-topics	No. of lectures	Contact Hours
1	Introduction to pediatrics and preparation to the clinical attachment	Pediatrics overview, history taking, clinical examination	2	4
2	Neonatology	- Resuscitation of newborn baby (steps of CPR) -Examination of newborn -Normal newborn and care of newborn baby -Low birth weight and preterm -SGA -Infant of diabetic mother. -Neonatal sepsis -HIE -Birth injuries. -Neonatal seizures -Neonatal jaundice -Neonatal emergencies	11	22
3	Infectious diseases	--Infectious diseases (1) Exanthema -Infectious diseases (2) Mumps, Pertussis, Diphtheria -Infectious diseases (3) Tuberculosis -Worm infestations -Malaria and kala-azar -Congenital infections: TORCH	6	12
4	Growth & development	-Growth -Development. -Behaviour disorders. -Learning disability	5	10
5	Nutrition	Breast feeding -Artificial feeding and weaning -Failure to thrive. Malnutrition (PEM). -Vitamin deficiencies: D (Rickets), A, K, the rest are self study	4	8
6	CNS	-Convulsive disorders -CNS infections -Neuromuscular diseases: - Neuromuscular diseases: Peripheral neuropathy .Neuromuscular diseases)	5	10

7	Immunization	Immunization schedule	1	2
8	Accidents and poisoning	-Common accidents -Common poisonings	2	4
9	Clinical genetics	Chromosomal aberrations: Down, Klienfelter & Turner Syndrome) -Genetic defects -Inborn errors of metabolism -- Prescribing for the newborn Prescribing for the pregnant mother	5	10
10	Oncology	Leukemias Common solid tumors (Wilm's, retinoblastoma, neuroblastoma, ewing sarcoma, osteosarcoma	2	4
11	Joint diseases	JIA (definition, differential diagnoses, treatment)	1	2
12	Pediatric emergencies	DKA, severe asthmatic attack, severe dehydration, status epilepticus	1	2
13	GIT, Urology, Endocrine, Respiratory, hematology	Revisions of the previous topics	15	30
Total			60	120 = 8 credit hours

Second: Practical/Tutorial/Clinical Aspects			
No.	Practical/Tutorial/Clinical topics	No. of Clinical session	Contact Hours
1	History taking skills	8	32
2	General and regional examination	7	28
3	Respiratory system examination and related cases	8	32
4	Cardiovascular system examination and related cases	8	32
5	Gastrointestinal system examination and related cases	7	28
6	Central nervous system examination and related cases, immunization and infectious diseases	7	28
Total		45	Contact hour 180 = 4 credit hours