

Semestre (I)

I. Nutrition (I):

Course Description

The purpose of this course is emphasis on normal nutritional needs during the prenatal phase and during early childhood and adolescent years.

This course is an introduction to the field of nutrition, which includes the study of carbohydrates, fats, proteins and other essential nutrients.

Students will also gain a workable knowledge of digestion, absorption, and metabolism, life cycle nutrition, nutrition guidelines, and pediatric nutrition programs.

2. ACUTE ILLNESS IN CHILDREN:

Course Description

This course is designed to introduce the student to the theory and clinical practice of the acutely ill child and their family.

The student will integrate previously learned theory in meeting the needs of acutely ill children and their families.

The student will also be expected to identify the role of the pediatric doctor when acting as an advocate for the child and/or family during acute illness of various systems.

3.GROWTH, DEVELOPMENT& Psychosocial Disorders

Course Description

Students learn milestones in each area of development in first years of life and learn to recognize normal development in young children Utilize appropriate techniques to evaluate growth of infants and children.

Identify the stages of growth and development from birth through age 12 and be able to apply this knowledge to meet the nutritional needs of infants and children. Discuss the behavioral, social, intellectual, and language development that occurs from birth to 2 ½ years of age.

Describe the effects of hunger, malnutrition, and anemia on physical and mental development. Describe how social, environmental, and physiological factors affect the growth and development of children and adolescents. The course is designed to teach the diagnosis of basic psychiatric disorders i.e. sleep and eating disorders, child abuse.

The curriculum of the course includes the assessment of the patient's mental state and psychiatric examination. A substantial part of the course teaching students communication skills with somatic and psychiatric patients.

4. NEONATOLOGY:

Course Description

This course has been designed to teach an evidence-based approach to resuscitation of the newborn. The causes, prevention, and management of mild to severe neonatal asphyxia are carefully explained so that health professionals may develop optimal knowledge and skill in resuscitation. The Neonatal Resuscitation Program is an educational program that introduces the concepts and basic skills of neonatal resuscitation. Completion of the program does not imply that an individual has the competence to perform neonatal resuscitation.

The purpose of this clinical course is to provide an environment in which the student will have opportunity to become proficient at obtaining and recording a systematic health history and advanced physical examination of neonates.

5. Clinical Skills (I):

Course Description

Clinical experience is gained in hospital posts in pediatric departments of accredited hospital (Nasser Children Hospital) under the supervision of a specialist pediatrician. During the course trainees are required to undertake 60hrs through the semester (I) of practical pediatrics in a hospital (a day per week). The course includes the assessment of physical and cognitive growth and development in early childhood, supporting parents in communicating with their child, infant feeding, the promotion of breastfeeding and managing common problems experienced by families including sleep patterns in the newborn.

The clinical supervisors are available to trainees to discuss clinical experiences and reflect on them so that experience turns into learning.

Trainees are expected to keep up with and be able to discuss current advances in pediatrics. The Neonatal Resuscitation Program is an educational program that introduces the concepts and basic skills of neonatal resuscitation.

Semester 2

I. Nutrition (II):

Course Description

In this course biological, physiological, sociological, and environmental aspects of nutrition related to human growth and development are studied.

Identify the changes that take place physiologically during adolescence and utilize this information to identify nutrition needs for teenagers.

Identify nutrition programs that can impact the growth and development of children and adolescents.

2. CHRONIC ILLNESS (1):

Course Description

The trainees should be aware about disease characterized by longer duration often months or years it is usually associated with symptoms of less severe intensity.

Provides a research-based discussion of common childhood chronic illnesses and their etiology, diagnosis, treatment, and management, along with information on specific diseases of gastrointestinal tract, respiratory and endocrinal problems.

3. PEDIATRIC EMERGENCIES:

Course Description

Course concentrating on the initial management of illnesses and injuries that could lead to life threatening conditions. Assumes a working knowledge of an assessment-focused approach.

Emergency Pediatric Course provides participants the opportunity to strengthen and develop their pediatric emergency clinical skills .

Inappropriate diagnosis and treatment of the febrile infant and child continues to be a problem and there are new approaches to treating asthma. The frequent developments in the use of antibiotics and drug resistance, also mandates current knowledge of these topics. Therefore, Primary Care providers need to review and update their knowledge in this discipline regularly. This activity presents commonly seen patient problems that should help maintain the level of knowledge needed to keep the Practitioner current in prudent and practical clinical behavior in the discipline of Pediatric Emergency Medicine.

4. INFECTIOUS DISEASE:

Course Description

The course covers knowledge of infectious diseases, their epidemiology, pathogenesis, clinical and laboratory diagnosis and treatment.

Students will learn how to deal with infected patients and how to prevent spread of the infection. They are also involved in the process of differential diagnosis in particular patients. Special attention is paid to the worldwide prevalent diseases such as AIDS and viral hepatitis.

The curriculum is also focused on tropical diseases and common parasitic infestation and diseases diagnosed frequently in Palestine.

5. Clinical Skills (2):

Course Description

The course includes the assessment of advanced nutritional problems and promotion of breastfeeding and managing common problems experienced by families.

The clinical supervisors are available to trainees to identify nutrition programs that can impact the growth and development of children, discuss clinical experiences.

The trainees should be aware about disease characterized by longer duration often months or years and discussion of common childhood chronic illnesses and their etiology, diagnosis, treatment, and management.

Emergency Pediatric Course provides participants the opportunity to strengthen and develop their pediatric emergency clinical skills.

The course covers knowledge of infectious diseases, their epidemiology, pathogenesis, clinical and laboratory diagnosis and treatment.

Semester 3

1. Community Medicine & Research:

Course Description

The course is an introduction to community medicine which includes health education and promotion.

The curriculum of the course includes knowledge about national immunization programs which reach 99% of vaccination and free from poliomyelitis in Palestine since 2000, also introduction of new vaccines like Hib, Varicella , hepatitis A vaccine.

Furthermore the course teaches how to prevent congenital inborn error of metabolism i.e. PKU, Hypothyroidism with neonatal screening after birth.

An introduction to medical ethics, research methods used in medicine. This course will help provide students with the basic knowledge and skills needed to formulate research questions and hypotheses, and data analysis.

2. SPECIAL PEDIATRIC PROBLEMS:

Course Description

The course is designed to teach the etiology, clinics, diagnostic and therapeutic procedures of skin diseases. The curriculum includes practical assessment of the most common dermatological changes in neonates and children...

The course covers theoretical and practical knowledge of the examination, diagnostics and differential diagnosis of common eye diseases in neonates and children. The course covers basic knowledge of the most common diseases of the larynx, throat, nose and ear. Special attention is paid to proper examination and differential diagnosis.

To acquire the adequate knowledge of pathophysiology, modern diagnostic and therapeutically methods in pediatric surgery. Students will also learn principles of surgical intervention .The essential aim of the course is to teach students the basic practical skills for early diagnosis and referral of common congenital surgical problems.

3. CHRONIC ILLNESS (II):

Course Description

Management of chronic illness in children and adolescents often is a multifaceted challenge that requires the attention and expertise of individuals from a variety of disciplines that include epilepsy, cerebral palsy, NTD's.

The aim of this course is to provide trainees with a practical overview of the definitions, characteristics, theories and models, diagnostic and treatment indications, and relevant aspects and methods of evidence-based treatments for chronic illness in children and adolescents.

Although treatments and research for chronic conditions are reviewed in general, particular attention is directed at asthma, cancer, cystic fibrosis, diabetes mellitus, and Thalassemia due to the high incidence of these chronic diseases among children and adolescents.

4. Clinical Skills (3):

Course Description

The curriculum of the course includes knowledge about national immunization programs through clinical OPD in PHC.

Specialist will teach students how to prevent congenital inborn error of metabolism i.e. PKU, Hypothyroidism with neonatal screening after birth by heel prick or Guthrie test. An introduction to medical ethics, research methods used in medicine.

This course will help provide students with the basic knowledge and skills needed to formulate research questions and hypotheses, and data analysis.

The curriculum includes practical assessment of the most common dermatological changes in neonates and children...

The course covers basic knowledge of the most common diseases of the larynx, throat, nose and ear. The essential aim of the course is to teach students the basic practical skills for early diagnosis and referral of common congenital surgical problems. Management of chronic illness in children , Although treatments and research for chronic conditions are reviewed in general, particular attention is directed at asthma, cancer, cystic fibrosis, diabetes mellitus, and Thalassemia due to the high incidence of these chronic diseases among children.