Course syllabus for

**The acutely ill child - obstetrics, neonatology and pediatrics revisited, 7.5 credits**
Det akut sjuka barnet - en fördjupningskurs i obstetrik, neonatologi och pediatrik, 7.5 hp

This course syllabus is valid from spring 2008.
Please note that the course syllabus is available in the following versions:

Course code: LKG040
Course name: The acutely ill child - obstetrics, neonatology and pediatrics revisited
Credits: 7.5 credits
Form of Education: Higher Education, study regulation 2007
Main field of study: Medicine
Level: AV - Second cycle
Grading scale: Fail (U) or pass (G)
Department: Department of Women's and Children's Health
Participating institutions:
- Department of Medicine, Solna

Decided by: Programnämnden för läkarprogrammet
Decision date: 2008-04-18
Course syllabus valid from: Spring 2008

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**Specific entry requirements**

Completed course in Clinical medicine - specialisation reproduction and development in the medical programme

**Objectives**

The general aim of the course is that the student should be able to understand and process important conditions in pregnant and child-bearing women and acutely ill children, with a focus on conditions that occur both in the prenatal period and later during childhood/youth. After the course, the student is expected to be qualified for working as an assistant physician within one of the concerned specialities.

Knowledge. Be able to diagnostically analyse important acute diseases in children, and, where relevant, relate them to conditions during pregnancy, birth and infancy including heredity (S4), present important distinctive features in children regarding normal structure and function, particularly the adaptations at birth, which retroact on disease mechanisms and disease progressions (S4), account for contamination and epidemiology regarding important acute diseases in children and related conditions in pregnant
Content

Patient work under supervision is the framework of the course activities. Theoretical knowledge acquisition as well as ethical discussion, proficiency training and professional development takes its starting point in current patient cases, chosen with the general theme of the course as detailed above as benchmark. The concept of important conditions etc above concerns conditions that are a) common in clinical activities with non-selected patients b) directly or potentially dangerous conditions, especially such that require fast intervening c) certain unusual conditions that illustrate important mechanisms for the origin of disease etc The main theme of the course is how perinatal circumstances and conditions, in both mother and child, contribute to and affect disease/illness later during the infancy, especially sickness that causes medical emergency visits and/or hospitalisation at a child health care centre. Thereby, the course focuses on an important element of paediatric thinking, which also gives advanced study in both gynaecology obstetrics, especially perinatology and in emergency paediatrics, especially infectious diseases in children. The theoretical teaching is directed towards causal relationships and principles rather than on detailed treatment or highly specialised considerations. Clinical pharmacologists will, however, contribute knowledge and angles of approach to drug treatment, to the discussion, especially during pregnancy and breast feeding. Integrating assignments Unconsciousness/coma, Learning difficulties, Seizures, Physical disabilities, Pregnancy/labour, Abnormal vaginal bleeding, Deviant growth, Deviant psychomotoric development, Abnormality, Jaundice, Heart murmurs, Heart arrests, Respiratory disorders/dyspnea, Cough

Teaching methods

The course participant serves in two different placements, the obstetric-neonatal clinic and the emergency ward-admissions ward at Astrid Lindgren Children's Hospital, either two or three weeks depending on own wish and opportunities. In the first-mentioned placement, the student follows the newborn child to the neonatal clinic when opportunity is given. Similarly, the relation emergency ward-unit Q80 gives the opportunity to participate in individual disease and care processes. During the course, each participant produces an individual work in Swedish or English with references to the scientific literature (about 4 single spaced pages). The written submission should cover a subject that relates to the main theme of the course (e.g. BPD as cause of intermittent obstructive respiratory disorders or differential diagnoses, including cardiac malformation). A senior supervisor should be available for a supportive discussion once in a week and approves finally the written work. This is presented orally at a seminar with the whole course. Furthermore, teacher-supervised seminars are held a couple of times a week at every service location, where the students present and discuss cases and teachers contribute both advanced studies and explanations. The students will, furthermore, be offered participate in all local continuing education for physicians in accordance with their own wishes. The student is expected to independently acquire/repeat the textbook knowledge of the diseases they encounter during the service. In consultation with the course administration, the students will have access to all special hospital units and also specialist maternity clinics and other relevant clinics outside the hospital, and be able to participate in one of these activities as personal interest or the thesis writing requires. They will also have access to simulator doll (Baby-Sim). The course will use the IT environment PingPong.
Examination

Compulsory parts For a Pass grade in the course, satisfactory attendance in the clinical activities is required. This requires appearance in the morning at the time that applies to other medical staff and participation in the ward activity all morning. The afternoons can be divided between for the student relevant clinical activities, and self-study/essay-writing in consultation with the clinical supervisor. More than three days of absence during the course may be compensated as agreed with the course administration. Furthermore, activity during rounds, seminars and clinical discussions is required. Examination Continuous information will be given, if the student is considered to satisfy the aims in School located education or not. Feedback will also be given regarding the student's attitude and skills in the patient care. The essay and the case discussions will verify the expected learning outcomes in other respects.

Other directives

* The knowledge is tiered according to the SOLO taxonomy: S1) simple (e.g. know, identify), S2) compound (e.g. account for, describe), S3) related (e.g. analyse, relate), and S4) extended (e.g. theorise, analyse). The skills are structured according to Miller's pyramid: M1) know, M2) know how to carry out M3) be able to demonstrate, and M4) be able to carry out in a professional manner.

Literature and other teaching aids

Akut pediatrik
Larsson, Agne; Norgren, Svante; Lindquist, Bo
Library search

Avery, Gordon B.
Neonatology : pathophysiology and management of the newborn
ISBN:0-7817-1210-6 LIBRIS-ID:8307437
Library search

Ewald, Uwe; Sjöberg, Nils-Otto
Perinatalt omhändertagande vid extrem underburenhet
LIBRIS-ID:9855312

Gabbe, Steven G.; Niebyl, Jennifer R.; Simpson, Joe Leigh
Obstetrics : normal and problem pregnancies
Library search

Kliegman, Robert; Nelson, Waldo E.
Nelson textbook of pediatrics
ISBN:978-1-41602450-7 LIBRIS-ID:10532141
Library search
Obstetriskt ultraljud
LIBRIS-ID:10736534

Obstetrisk öppenvård
Grennert, Lars; Marsål, Karel
Library search

Olofsson, Nina
Förlossningssmärta och dess behandling
Lund : Studentlitteratur, 2003 - 143 s
Library search

Turnbull, Alec; Chamberlain, Geoffrey
Obstetrics
Library search