

## Delemne 4.2: Pediatrics

Part of curriculum: Med-2520 International semester

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### Contents of the curriculum

The course covers development and growth in children, childhood health issues and the most common and important diseases in newborns, children and adolescents.

Duration of the course: 17 weeks, part time

### Clinical presentations

31 Heart murmurs	56 Pharyngitis	110 Pathological growth/puberty
40 Infection prone	61 Abdominal pain	111 Pathological
41 Fever	63 Diarrhea	psychomotoric
48 Difficult breathing	64 Icterus	development
53 Coughing	100 Joint swelling/pain	114 Prematurity
54 Breathing problems	104 Exanthema/ rash	115 Malformations

### Learning outcomes

The main objective of the course is to develop and consolidate the theoretical knowledge, practical skills and personal attitudes required to manage common and important clinical problems in the field of paediatrics.

**Knowledge:** After completing the course the student must be able to

- K1. Account for the occurrence, causes, pathophysiology, symptoms and findings, diagnostic principles, treatment, follow-up, prognosis and ethical questions of the most common congenital malformations
- K2. Identify and explain deviations from normal growth and psychomotor development, including the significance of malnutrition and overweight
- K3. Account for the occurrence, causes, pathophysiology, symptoms and findings, diagnostic principles, treatment, follow-up, prognosis and ethical questions of the most common diseases in newborn children
- K4. Account for the occurrence, causes, pathophysiology, symptoms and findings, diagnostic principles, treatment, follow-up and prognosis of the most common acute and chronic medical conditions in children
- K5. Account for the occurrence, causes, pathophysiology, symptoms and findings, diagnostic principles, treatment, follow-up and prognosis of epilepsy, cerebral palsy and the most common neurodevelopmental disorders in children
- K6. Account for the significance of the psychosocial environment for the health of children, including the significance of neglect and physical and sexual abuse, and also account for possible interventions
- K7. Describe characteristic features in preventive public health care for children, including the systematic newborn examination, the child health clinics, and the childhood vaccination program

- K8. Account for the clinical use of the most common diagnostic tests and most important principles of paediatric pharmacology

**Skills:** By the end of the course the student must be able to

- S1. Communicate with a sick child and its parents in order to identify the child's health problems and general state of health
- S2. Perform a goal-oriented and systematic clinical examination of children at different age levels
- S3. Make a joint evaluation from the history and clinical examination, suggest tentative diagnoses, and suggest further investigations and treatment of the most common and severe diseases in children
- S4. Identify children with acute, severe disease and perform lifesaving investigations and treatments
- S5. Communicate medical information in a way children and parents can understand

**General competence:** The student must

- G1. Acknowledge the child and its parents integrity and right to participate in decision-making
- G2. Be able to meet the child on a level adequate for the child
- G3. Approach child health problems with a general, holistic understanding

### Teaching and learning methods

In addition to lectures, the students should obtain practical clinical experience in paediatrics in the rotational period by taking active part and examine children during the following learning activities

1. Participate in one 2-hour bedside teaching ("clinic")
2. Participate in seminars on central paediatric topics including examination of newborns and children
3. Participate in outpatient clinic before lunch (1 day)
4. Participate in a maternity round (1 day)
5. Participate in public health centre check-ups of children at different ages (1 day).
6. Solve a large case in pediatrics

Additional seminars and clinical practice are arranged for Norwegian students during the 6<sup>th</sup> year but in 4<sup>th</sup> year for International Exchange students.

### Mandatory attendance/approval required

Seminars, maternity round, bedside, outpatient and health centre clinics are mandatory

### Recommended learning resources

Learning objectives described in detail for the Course in Paediatrics and hand-outs from most lectures will be presented on Canvas

**Illustrated Textbook of Paediatrics, Fourth Ed. 2012 (552 sider).** Lissauer T & Clayden G. Mosby Ltd. ISBN: 978-07-234-3565-5

In Norwegian:

**Klinisk pediatri, 3. utgave 2016 (463 sider).** Markestad T. Bergen: Fagbokforlaget, 2016. ISBN: 978-82-450-1683-3

International exchange students may use textbooks as advised by their respective institutions. As supplementary teaching material the guidelines from the Norwegian Paediatric Association can be accessed through: [www.pedweb.no](http://www.pedweb.no), or

<http://www.helsebiblioteket.no/retningslinjer/pediatri/forside>

<http://www.helsebiblioteket.no/retningslinjer/akuttveileder-i-pediatri/forside>