Gynaecology and Obstetrics II
Submitted by Marie Havlová on 4. October 2013 - 0:00

Study syllabus, 6th year

Course length: 6 weeks

Block teaching - 6th year

Clinical practice on wards and outpatient clinics according to schedule - daily presence (outpatient clinics, conservative gynaecology, post-operative ward, high risk pregnancy ward, delivery hall, postpartum ward) + taking part on operative therapy.

Topical seminars (2 hours)
Spontaneous labour in cephalic presentation, stages of labour, mechanism.
Medical labour management, obstetric analgesia and anaesthesia, the role of psychoprophylaxis.
Basic obstetric interventions and surgery, abnormal lie, multiple pregnancy.
Basic clinical methods in obstetrics II (prenatal diagnosis).
Physiological puerperium, protection of pregnant women, maternity leave and other legislative policies including compulsory prenatal care. Positive and negative population politics.
Neonatology I.
Emergency conditions in obstetrics I.
Emergency conditions in obstetrics II.
Basic surgical techniques in obstetrics I - caesarean section.
Basic surgical techniques in obstetrics II - other surgical techniques.
Neonatology II.
Prenatal care in the Czech Republic, perinatology, perinatological indicators, Rh
alloimmunization.
Differential diagnosis of pregnancy induced hypertension (preeclampsia, HELLP syndrome...).
Pathology of the puerperium, principles of pharmacotherapy during pregnancy and lactation, nosocomial infections.
Fetal monitoring.
Vaccination and infection (rubeola, toxoplasmosis, influenza, herpes) in pregnancy.
Diabetes mellitus in pregnancy, cholestatic hepatitis, cardiopathy in pregnancy.
Anomalies of gestation length, premature delivery, postmature pregnancy.
Physiology and pathology of the menstrual cycle.
Basics of children's gynaecology, inflammation of female genitals during childhood and adolescence.
Bleeding out of female genitals, puberty and its disorders.
Congenital genital anomalies and intersexes.
Inflammatory diseases in gynaecology + vulvovaginitis.
Emergency conditions in gynaecology, differential diagnosis.
Urogynaecology I – epidemiology, diagnosis, pathogenesis.
Urogynaecology II – therapy.
Breast diseases I – diagnosis, non cancerous breast conditions, precancerous conditions and risk factors, pregnancy.
Breast diseases part II – malignant tumors, diagnosis, therapy.
Preinvasive vulvar disease and tumours, preinvasive cervical disease and tumours.
Malignant tumours of uterus, basics of radiotherapy, genital tumours in children and adolescents.
Malignant ovarian tumours, gestational trophoblastic disease, basics of chemotherapy.
Benign tumours of uterus.
Hormonal and non hormonal contraception, induced abortion in 1st and 2nd trimestery.
Sterility, infertility, assisted reproduction methods.
Basics of sexuology in gynaecology.
Transplantation of the uterus as a method of treatment of the absolute uterine factor infertility.
Menopause, hormone replacement therapy.
Gynaecological endoscopy, endometriosis, dysmenorrhoea.
HPV associated lesions and virologist insight, HPV vaccination.
Psychosomatic aspects on gynaecology and obstetrics.
Pregnancy and organ transplantation.

**Full-time staff:**

doc. MUDr. Tomáš Binder, CSc.

as. MUDr. Tomáš Brtnický, Ph.D.

prim. MUDr. Miloš Černý

doc. MUDr. Tomáš Fait, Ph.D.

doc. MUDr. Jiří Froněk, Ph.D.

MUDr. Roman Chmel, Ph.D., MHA

as. MUDr. Jan Matěcha

as. MUDr. Martin Mužík

as. MUDr. Marta Nováčková, Ph.D.

as. MUDr. Zlatko Pastor, Ph.D.

as. MUDr. Marek Pluta, Ph.D.

prof. MUDr. Aleš Roztočil, CSc.

doc. MUDr. Pavel Strnad, CSc.

as. MUDr. Ivana Špálová

doc. MUDr. Petr Zoban, CSc.

**Medical employees taking part in education (seminars, clinical practice)**

MUDr. Miluše Berka Mrštinová

MUDr. Jiří Horák

MUDr. Pavel Kabele

MUDr. Michal Kníže

MUDr. Tereza Lénertová
MUDr. Klára Sobíšková
MUDr. Eva Uhrová

**Practical training:**
Practical training differs according to the unit – the students rotate as to see all the units. All doctors mentioned above are responsible for practical training because of necessity to work in groups.

Outpatient unit – gynaecology and obstetric
Gynaecology – post-operative unit
Gynaecology – conservative unit, children's gynaecology
Maternity – high risk pregnancy unit, high risk pregnancy outpatient
Maternity – postpartum unit, low risk pregnancy outpatient
Delivery hall

**Conditions of credit** - assistance at gynaecologic surgery, attendance at the practical training and seminars (non-attendance three times possible)

**Final state exam:** oral exam in three topics of drawn questions.

**Exam questions:** topically correspond to the full extent of the Gynaecology and Obstetrics medical field.

**Study materials:**

**Obstetric and Gynaecology**
Beckmann, Ch. R. B.: Obstetrics and gynecology for medic. stud.: Williams and Wilkins, 2006 (B) Current obstetrics and gynecology

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