

Study program: Integrated Academic Studies in Pharmacy
Course title: Drugs in Pregnancy and Lactation
Teacher: Mirjana A. Bogavac, Zorica S. Grujić, Tihomir R. Vejnović, Snežana Brkić, Vesna Turkulov, Ljiljana Gvozdenović, Mina Cvjetković Bošnjak, Biljana Zvezdin, Budimka Novaković, Mirna Đurić, Jadranka Dejanović, Aleksandra Nikolić, Aljoša D. Mandić, Đorđe S. Petrović, Slobodan Spasojević, Dejan Čelić
Course status: elective
ECTS Credits: 3
Condition: -
<p>Course aim</p> <ul style="list-style-type: none"> - Getting sufficient knowledge to understand pharmacotherapy in gynecology and obstetrics - Building positive attitude about birth and contribution to the womens' health education and preparing for delivery and motherhood - Understanding specific problems that women face with during the whole life with the purpose of rational pharmacotherapy and health promotion.
<p>Expected outcome of the course</p> <ul style="list-style-type: none"> - Getting knowledge about using drugs in gynecology, pregnancy and lactation. - Understanding the concept of evidence-based medicine and pharmacy. - Identification, evaluation and solving problems related with taking medications in gynecology and obstetrics. - Advising gynecological patients, pregnanat and puerperal women about taking medications. - Communication with health professionals and patients about rational pharmacotherapy in gynecology, pregnancy and lactation. - Implementation, evaluation and modification of therapy with an aim of providing efficient, safe and economically justified pharmacotherapy in gynecology and obstetrics.
<p>Course description</p> <p><i>Theoretical education</i></p> <ul style="list-style-type: none"> - Treatment of infections in pregnancy - Antiviral drugs in pregnancy and lactation - Specificities of medication in gynecology and obstetrics - Antibiotic prophylaxis in gynecology and obstetrics - Vaccination and immunoprophylaxis in gynecology, pregnancy and lactation - Analgetics in pregnancy and lactation - General and epidural anesthesia during delivery - Psychopharmaceuticals and antiepileptic drugs in pregnancy and lactation - Nutrition during pregnancy and lactation – needs for energy, macronutrients; dietetic supplements in pregnancy - Phyto-preparations in pregnancy and lactation - Professional exposure of pregnant women to harmful chemicals and teratogens - Anticoagulants, procoagulans in gynecology and obstetrics. Vitamins and minerals in gynecology and obstetrics. Nonsteroidal antirheumtics in gynecology and obstetrics. Antiarythmics. - Uterotonics and tocolytics. Estrogens and gestagens. - Insulin and oral antidiabetics in pregnancy and lactation - Cytostatics in gynecology - Surfactatnt administration in premature child. Neonatal abstinence syndrome; fetal alcohol syndrome - Bronchial asthma treatment in pregnancy - Pulmonary infections treatment and using antibiotics in pregnancy and lactation - Cardiological treatment in pregnancy - Immunosuppressive treatment of systemic diseases in pregnancy - Influence of pharmacotherapy on biochemical and haematological parameters in pregnancy - Measuring drug concentration in body fluids in pregnancy <p><i>Pactical education</i></p> <p>Organized visits to the Department of Perinatology, Department of Pregnancy Pathology, Department of Human Reproduction,</p>

Department of Conservative and Operative Gynecology, Polyclinic, Department of Laboratory Diagnostic.
 Students will get the knowledge about drug prescription and treatment of pathological conditions in gynecology and obstetrics that will help them to promote health and rational pharmacotherapy in practice.

Literature

Compulsory

1. Walker R, Whittlesea C. Clinical Pharmacy and Therapeutics, 4th edition ed. Churchill Livingstone, Edinburgh, 2007.
2. Laurence DR, Bennett PN. Clinical pharmacology. Seventh edition: Churchill Livingstone, 1992.
3. Hacker NF, Moore JG. Essentials of obstetrics and gynecology 5th edition. W.B. Saunders company, 2009.

Number of active classes	Theoretical classes: 30	Practical classes: 15
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Teaching methods Theoretical and practical

Student activity assessment (maximally 100 points)

Pre-exam activities	points	Final exam	points
Lectures	25	Written	20
Practices	25	Oral	30
Colloquium		Other	
Essay			