



DISCIPLINE GRID

1. Study program

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| 1.1. | "CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST |
| 1.2. | FACULTY OF DENTISTRY |
| 1.3. | DEPARTMENT DENTISTRY I |
| 1.4. | DISCIPLINE Pediatrics "Grigore Alexandrescu" Children's Emergency Clinical Hospital Obstetrics and Gynecology Filantropia Clinical Hospital Bucharest |
| 1.5. | STUDY DOMAIN: Health, sectoral regulated within the European Union |
| 1.6. | STUDY PROGRAM: DENTAL MEDICINE IN ENGLISH |

2. Discipline

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| 2.1. | Discipline name according to the study curriculum: PEDIATRICS. OBSTETRICS-GYNECOLOGY | | | | |
| 2.2. | Discipline code: MD04S11 | | | | |
| 2.3. | Discipline type (FD/SD/CD): SD | | | | |
| 2.4. | Discipline optionality (COD/ED/FAD): COD | | | | |
| 2.5. | Lectures tenure: Pediatrics Associate Professor Dr. NIȚESCU GABRIELA VIORELA Obstetrics and Gynecology Associate Professor Dr. ROXANA BOHILTEA | | | | |
| 2.6. | Practical classes / seminar tenure: Pediatrics Senior Lecturer Dr. STANCA SIMONA Senior Lecturer Dr. VIVISENCO CRISTINA IOLANDA Senior Lecturer Dr. BOGHIȚOIU DORA ANDREEA Assistant Lecturer Dr. GRAMA ANDREEA RODICA Assistant Lecturer Dr. LESCAIE ANDREEA Obstetrics and Gynecology Senior Lecturer Dr. Varlas Valentin | | | | |
| 2.7. Year of study | IV | 2.8. Semester | VIII | 2.9. Evaluation (E/C/V) | E |

3. Estimated total time (hours/ semester of teaching and training activity /individual study)

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| I. University training | | | | | | |
| 3.1. Number of hours per week | 4 | from which: | 3.2. lecture | 2 | 3.3. practical class/ seminar | 2 |
| 3.4. Total hours in the study curriculum | 56 | from which: | 3.5. lecture | 28 | 3.6. practical class/ seminar | 28 |
| II. Preparation/ individual study | | | | | | |
| Time distribution | | | | | | hours |

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| Study of lecture materials, textbooks, books, study of the minimum recommended bibliography | 10 |
| Additional documentation activity in the library, on online platforms | 4 |
| Specific preparation activities for projects, practical classes, preparation of assignments, reports | 6 |
| Preparation for presentations or evaluations, preparation for the final examination | 6 |
| Tutoring activity | 4 |
| Other activities | 4 |
| 3.7. Total hours of individual study | 34 |
| 3.8. Total hours per semester (3.4.+3.7.) | 90 |
| 3.9. Number of credits | 3 |

4. Prerequisites (where appropriate)

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| 4.1. curriculum | Fourth Year Dentistry Student |
| 4.2. proficiencies | Fourth Year Dentistry Student |

5. Conditions (where appropriate)

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| 5.1. for lecture activity | <p>Pediatrics The Amphitheater within the "Grigore Alexandrescu" Children's Emergency Clinical Hospital</p> <p>Obstetrics and Gynecology Amphitheater of the Filantropia Clinical Hospital Bucharest</p> |
| 5.2. for practical class/ seminar activity | <p>Pediatrics Intensive Care-Toxicology Department, "Grigore Alexandrescu" Children's Emergency Clinical Hospital</p> <p>Obstetrics and Gynecology Obstetrics and Gynecology Department, Filantropia Clinical Hospital, Bucharest</p> |

6. Learning outcomes*

| Knowledge | Skills | Responsibility and autonomy |
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| <p>PEDIATRICS To know the basic concepts regarding the normal growth and development of the child, the nutrition of</p> | <p>PEDIATRICS To perform a complete history of the pediatric patient To properly examine a pediatric patient</p> | <p>PEDIATRICS To correlate the information obtained from the history and clinical examination</p> |

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| <p>healthy and sick children</p> <p>To define general concepts of disease prevention in children</p> <p>To recognize the main pediatric conditions</p> <p>To identify the diagnosis and treatment principles in pediatric conditions</p> | <p>To recognize the clinical signs of the main pediatric conditions, with an emphasis on those that may be encountered in the dental office</p> <p>To interpret the results of biological and imaging tests</p> <p>To apply specific communication techniques with the pediatric patient and their relatives, taking into account their pathology, conditions and socio-economic level</p> | <p>To correctly manage a patient by integrating clinical and laboratory data in order to establish a diagnosis</p> <p>To establish the treatment of the main pediatric conditions at the pre-hospital level, especially those that can be encountered in dental offices</p> <p>To demonstrate empathy in the relationship with the child and his/her relatives</p> <p>To respect professional ethics</p> |
| <p>OBSTETRICS AND GYNECOLOGY</p> <p>To know the main conditions in the field of obstetrics and gynecology</p> <p>To identify the diagnosis and treatment principles of emergencies in obstetrics and gynecology</p> <p>To identify the diagnosis and treatment of oral and dental conditions specific to pregnancy</p> | <p>OBSTETRICS AND GYNECOLOGY</p> <p>To examine patients with obstetric and gynecological conditions</p> <p>To interpret the results of clinical, paraclinical and imaging examinations</p> <p>To take a complete history</p> <p>To know oral and dental investigations and treatments according to gestational age</p> | <p>OBSTETRICS AND GYNECOLOGY</p> <p>To correlate the information obtained from the anamnesis and the clinical examination</p> <p>To manage a patient correctly by integrating clinical and paraclinical data in order to establish a diagnosis</p> <p>To establish the treatment of the main conditions in Obstetrics Gynecology, especially those that can be encountered in dental offices</p> <p>To show empathy in the relationship with the patient and her relatives</p> <p>To respect professional ethics</p> |

7. Discipline objectives (correlated with learning outcomes)

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| <p>7.1. General objective</p> | <p>PEDIATRICS</p> <ul style="list-style-type: none"> - knowledge of the basic concepts related to the growth, development, nutrition and prophylaxis of a healthy child; - knowledge of the main pediatric diseases (diagnosis and treatment) <p>OBSTETRICS AND GYNECOLOGY</p> <ul style="list-style-type: none"> - knowledge of the main conditions in the field of obstetrics and gynecology - knowledge of the diagnosis and treatment principles of obstetric, gynecological and oral diseases specific to pregnancy |
| <p>7.2. Specific objectives</p> | <p>PEDIATRICS</p> <ul style="list-style-type: none"> - integration and use of basic pediatrics concepts in dental practice. <p>OBSTETRICS AND GYNECOLOGY</p> <p>At the end of the internship, the student must know:</p> <ul style="list-style-type: none"> - to examine patients with obstetric and gynecological conditions - to interpret the results of clinical, paraclinical and imaging examinations |

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| | - to recommend investigations and treatments allowed during pregnancy |
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8. Contents

| 8.1. Lecture | Teaching methods | Observations |
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| PEDIATRICS 1. Growth and development. 2. Nutrition of a healthy child at different age stages. 3. Deficiency diseases of children: malnutrition, rickets and anemia. 4. The main emergencies in pediatrics. 5. Hemorrhagic syndromes. 6. Respiratory diseases of children. 7. Congenital heart defects and bacterial endocarditis. | PEDIATRICS Lecture, video projection, interactive media | PEDIATRICS N/A |
| OBSTETRICS AND GYNECOLOGY 1. Anatomy and physiology of the female genital tract. Gametogenesis. Ovulation. Fertilization. Nidation. Placentation. 2. Adaptive changes of the maternal organism during pregnancy with implications in dentistry. Nutrition and medication during pregnancy and breastfeeding. 3. Clinic of normal pregnancy. Normal birth. Determinism of labor. Uterine contraction. Periods of birth. 4. Pregnancy-specific pathology (hemorrhages in the first and second half of pregnancy, prematurity, hypertensive pathology, intrauterine growth restriction, group and Rh incompatibility). Obstetric emergencies 5. Maternal pathology associated with pregnancy. Oral pathology during pregnancy 6. Prenatal diagnosis. Syndromic and nonsyndromic fetal anomalies. BMF fetal anomalies 7. Gynecological pathology. Gynecological emergencies | OBSTETRICS AND GYNECOLOGY Lecture, video projection, interactive media | OBSTETRICS AND GYNECOLOGY N/A |
| Recent bibliography: PEDIATRICS 1. Pediatrics - Course for the Faculty of Dentistry, under the coordination of Assoc. Prof. Dr. Gabriela Viorela Nițescu ed. 2025 2. Pediatrics Textbook, under the coordination of Prof. Dr. Doina Anca Pleșca, ed. I, Medichub Media Publishing House, 2021 OBSTETRICS AND GYNECOLOGY | | |

| <ol style="list-style-type: none"> 1. Oxford Practical Guide to Obstetrics and Gynecology. Eds: Sally Collins, Sabaratnam Arulkumaran, Kevin Hayes, Simon Jackson, Laurence Impey. 3rd edition. Romanian language version editor: Benedict Ancar. Ed Hipocrate, 2018. 2. Varlas, V. (2021). Compendium of dental pathology in pregnancy. Bucharest. Carol Davila University of Medicine and Pharmacy 3. Cunningham, F. G., Leveno, K. J., Bloom, S. L., Dashe, J. S., Hoffman, B. L., Casey, B. M., & Spong, C. Y. (2022). <i>Williams Obstetrics</i> (26th ed.). New York, NY: McGraw-Hill Education. | | |
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| 8.2. Practical classes/ seminar | Teaching methods | Observations |
| PEDIATRICS 1. Anamnesis and clinical examination in pediatrics. 2. Nutrition of healthy and sick children at different ages 3. Recognition and treatment of the main syndromes in pediatrics: fever and hyperthermia, convulsions, vomiting. 4. Deficiency diseases of children: malnutrition, rickets, anemia 5. Respiratory diseases: recognition of clinical signs, diagnosis and treatment 6. Drug, respiratory and food allergies, anaphylactic reactions 7. Basic life support in pediatrics (Pediatric Basic Life Support) | PEDIATRICS video projections, practical demonstrations in the ward, teamwork, questionnaire application, brainstorming, role-playing games. | PEDIATRICS With the consent of the child's representative |
| OBSTETRICS AND GYNECOLOGY 1. Obstetric and gynecological observation sheet. Gynecological and obstetric examination technique. Pregnancy diagnosis 2. Obstetric pelvis. Presentations, positions, varieties of positions. Birth mechanisms 3. Prenatal consultation in normal and high-risk pregnancy 4. Obstetric interventions and maneuvers: episiotomy, application of forceps and viextractor, BVC, amniocentesis, fetoscopy, cesarean section 5. Principles of diagnosis and screening in obstetrics and gynecology 6. Interventions and therapeutic techniques in gynecology. Preoperative preparation of the patient for interventions 7. Contraceptive methods. Methods of exploring infertility. Methods of diagnosing pelvic static disorders | OBSTETRICS AND GYNECOLOGY Video projections, practical demonstrations at the Delivery Room, Operating Room, Emergency Room, Maternal-Fetal Medicine Department, Obstetrics Pathology, Leuzia, Gynecology departments | OBSTETRICS AND GYNECOLOGY With the patient's consent |
| Recent bibliography: PEDIATRICS 1. Pediatrics - Course for the Faculty of Dentistry, under the coordination of Assoc. Prof. Dr. Gabriela Viorela Nițescu ed. 2025 2. Pediatrics Textbook, under the coordination of Prof. Dr. Doina Anca Pleșca, ed. I, Medichub Media Publishing House, 2021 OBSTETRICS AND GYNECOLOGY | | |

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9. Assessment

| Activity type | 9.1. Evaluation criteria | 9.2. Evaluation methods | 9.3. Percentage of final grade |
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| 9.4. Lecture | <p>PEDIATRICS <i>Requirements for grade 5:</i> basic knowledge</p> <ul style="list-style-type: none"> - what are the main stages of growth and development in children; - types of nutrition in children; - definition of iron deficiency anemia and rickets and listing of drugs used in treatment and prophylaxis; - definition of febrile seizures and listing of emergency treatment; - recognition of anaphylactic shock and listing of drugs used in treatment; - recognition of clinical signs of acute pharyngitis; - indications for bacterial endocarditis prophylaxis and listing of drugs used <p><i>Requirements for grade 10:</i></p> <ul style="list-style-type: none"> - in-depth knowledge of all concepts taught in the course <p>OBSTETRICS AND GYNECOLOGY <i>Requirements for grade 5:</i> Basic knowledge:</p> <ul style="list-style-type: none"> - what are the main obstetric emergencies - what are the main gynecological emergencies - what are the main oral conditions in pregnancy - establishing the diagnosis of pregnancy - recognizing the clinical signs of preeclampsia; <p><i>Requirements for grade 10:</i></p> <ul style="list-style-type: none"> - in-depth knowledge of all concepts taught in the course | <p>PEDIATRICS OBSTETRICS AND GYNECOLOGY</p> <p>Multiple choice exam:</p> <ul style="list-style-type: none"> - 50 questions with only one correct answer, 60 minutes, each question 0.2p of which - 25 pediatric questions - 25 obstetrics and gynecology questions | 80% |

