



JSC Astana Medical University

Application for elective disciplines  
 Educational program: 6B10107 - Pediatrics  
 Level of education internship  
 2022-2023 academic year  
 7-course - 6 credits (MD)



"APPROVED"  
 Vice-Chairman of the QAC of the  
 University  
 M. Muldakhmetov  
 2022 y.

| 1 | 2   | 3  | 4                   | 5   | 6  | 7                        | 8  | 9                             | 10              |          |  |                               | 11  | 12   | 13                       |
|---|---|--|---------------------|---|--|--------------------------|--|-------------------------------|-----------------|----------|--|-------------------------------|---|--|--------------------------|
|   |   |  |                     |   |  |                          |  |                               | amount of hours |          |  |                               |   |  |                          |
| № | a module / discipline   | module component   | cycle of discipline | Course Description  | prerequisites  | postrequisites           | the department participating in the module                                   | the number of credits (hours) | lecture         | practice | independent work of student with the teacher | independent work of a student | course (specialization / training trajectory) | responsible department for the module / discipline                           | Head of the department   |
|   |   |  |                     |   |  |                          |  |                               |                 |          |  |                               |   |  |                          |
| 2 | Children's dermatovenerology  |  | MD                  | The study of etiology, pathogenesis, clinical manifestation, diagnostics, treatment of skin and venereal diseases in children.  | anatomy, histology, pathophysiology, pharmacology  | disciplines of residency | Department of dermatovenerology and dermatocosmetology                       | 6 (180)                       | 0               | 60       | 30   | 90                            | 7   | Department of dermatovenerology and dermatocosmetology                       | MD, prof. Batpenova G.R. |
| 3 | Congenital malformations and surgical methods of treatment.                       | Genetic and cellular mechanisms of the formation of congenital malformations | MD                  | This module includes the causes and mechanisms of the formation of congenital malformations of organs and systems in the fetus, their diagnosis at the ante and postnatal stages, as well as methods of their surgical correction and rehabilitation. | Molecular biology and medical genetics, fundamentals of general surgery, pediatrics and pediatric surgery. | Residency disciplines    | Medical genetics and molecular biology department                            | 2 (60)                        | 0               | 20       | 10   | 30                            | 7   | Pediatric surgery department   | V.Lozovoy                |
|   |   | Pediatric surgery department   |                     |   |  |                          | 4 (120)  | 0                             | 40              | 20       | 60   |                               |   |  |                          |
| 4 | Modern principles and methods of nutritional support for a healthy and sick child | Principles of nutritional support for a healthy child                        | MD                  | Studying and mastering skills on the organization of nutrition of pregnant and nursing mothers, modern principles and methods of feeding a healthy and sick child of the first year of life.  | Childhood diseases   | Residency disciplines    | Department of Children's diseases with courses of pulmonology and nephrology | 6 (180)                       | 0               | 30       | 15   | 45                            | 7   | Department of Children's diseases with courses of pulmonology and nephrology | Muldakhmetov M.S.        |
|   |   | The main methods of nutritional support for a sick child                     |                     |   |  |                          |  |                               | 0               | 30       | 15   | 45                            |   |  |                          |

|   |   |  |    |   |   |                       |  |         |    |    |    |   |  |              |
|---|---|--|----|---|---|-----------------------|--|---------|----|----|----|---|--|--------------|
| 5 | Examination of medical incidents                                | Modern problems of forensic examination in pediatric practice        | MD | Study of regulatory and legal documentation, standards and protocols of medical care. Rules of registration of medical documentation. Rules for the examination of medical documentation.   | Fundamentals of Forensic Medicine                                       | Residency disciplines | The department of Childhood Diseases with courses in Allergology, Immunology, Hematology and Endocrinology | 3 (90)  | 30 | 15 | 45 | 7 | The department of forensic medicine                  | M. Morenko   |
|   |   | Forensic medical examination of medical incidents                    | MD | Comprehension of versatile medical activity in legal terms on specific examples of forensic medical examinations on "medical cases". To train to assess and anticipate the legal consequences of an event related to the provision of medical care, which may harm the life and health of the patient, as well as lead to his death. To teach to identify possible legal ways to prevent professional offenses. |   |                       | The department of forensic medicine  | 3 (90)  | 30 | 15 | 45 |   |  | V. Ossipov   |
| 6 | Introduction to Medical Rehabilitation and Sports Medicine      | Fundamentals of rehabilitation in pediatrician's practice            | MD | Fundamentals of rehabilitation, theoretical and practical issues of the basics of sports medicine in the work of a pediatrician   | Epidemiology. Pediatric diseases.                                       | Residency disciplines | The department of rehabilitation and sports medicine   | 4 (120) | 40 | 20 | 60 | 7 | The department of rehabilitation and sports medicine | Slykina N.V. |
|   |   | Fundamentals of Sports medicine in Pediatrician's practice           |    |   |   |                       |  | 2 (60)  | 20 | 10 | 30 |   |  |              |
| 7 | Introduction to inpatient and outpatient medical rehabilitation | Fundamentals of inpatient rehabilitation in Pediatrician's practice  | MD | Issues of medical rehabilitation in inpatient and outpatient settings, theoretical and practical issues of neurorehabilitation, rehabilitation for pathology of the musculoskeletal system, features of rehabilitation after Covid infection in the practice of a pediatrician  | Anatomy. Physiology. General hygiene. Epidemiology. Pediatric diseases. | Residency disciplines | The department of rehabilitation and sports medicine   | 3 (90)  | 30 | 15 | 45 | 7 | The department of rehabilitation and sports medicine | Slykina N.V. |
|   |   | Fundamentals of outpatient rehabilitation in Pediatrician's practice |    |   |   |                       |  | 3 (90)  | 30 | 15 | 45 |   |  |              |

Approved at the meeting of the Committee on quality assurance of educational programs of the University

Protocol no. 4 from "29" 04 2022 y.

Head of the Registrar's office  N. Teshova

Head of the Center for Academic Activities  G. Utenova