



INTERNATIONAL SCHOOL OF MEDICINE

SYLLABUS

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| Program: | General Medicine (for foreign citizens) |
| Qualification of the graduate: | General practitioner / Medical doctor |
| Year: | 2022-2023 |
| Semester: | 6 |
| Course duration: | 18 weeks / 20 weeks |
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| Instructor/Assistant/Professor | Name: Buranchieva A.A. |
| Department: | Public health |
| Day and Time for consultation: | |
| Classroom: | |
| e-mail: | buranchieva99@gmail.com |
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| Course Title: | Occupational diseases |
| Must/Elective: | Must |
| Credit/Hours: | 2 |
| Course Description: | Occupational pathology is one of the industries of clinical medicine, which studies various aspects of occupational diseases caused by the impact on the body of working various adverse factors of the production environment. In our country, millions of people are engaged in manufacturing: in industry, agriculture, transport. |
| Course Objectives: | <p>Study of the current legislative and regulatory documents on occupational pathology, the legal basis of employee health protection.</p> <p>To form skills and abilities to establish the connection of the disease with the profession, to assess professional risks and the possibilities of managing them.</p> <p>To form skills and abilities in conducting preliminary and periodic medical examinations of employees, professional aptitude examination.</p> <p>Preparation of the student for independent professional preventive activity.</p> |
| Prerequisites: | Anatomy, normal and pathological physiology, pharmacology, propaedeutic of internal diseases, faculty therapy, surgery, hospital therapy, dermatovenerology, oncology, radiation therapy, general hygiene, occupational hygiene |

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| Post-requisites: | Traumatology, orthopedics and extreme medicine, public health and healthcare, dermatovenerology, neurology and neurosurgery |
| Learning Outcomes: (expected knowledge & ability at the end) | <p>After mastering the discipline "Occupational diseases" the student: will know:</p> <p>etiology, pathogenesis, clinical picture of the most common forms of occupational diseases, features of occupational diseases diagnosis, differential diagnosis between professional and non-professional diseases with a similar clinical picture, deontological norms, ethics of the doctor in the process of patient curation, issues of treatment, prevention, examination of working capacity, medical and labor rehabilitation of occupational diseases,</p> <p>know the principles of organization and provision of emergency medical care in acute occupational diseases (poisoning)</p> <p>will be able:</p> <p>analyze the data of the professional anamnesis of the patient to determine the possible influence of production factors on health</p> <p>to be able to conduct preliminary and periodic medical examinations of employees starting work.</p> <p>analyze the mechanisms of adverse factors action of the production environment that caused the development of occupational diseases</p> <p>to conduct a targeted examination of patients to identify clinical signs indicating the impact the production environment adverse factors</p> <p>carry out differential diagnosis between alleged professional and non-professional diseases having a similar clinical picture</p> <p>identify specific features of occupational diseases course determine the degree and resistance of affected organ and system disorders.</p> <p>correctly recommend for patients with occupational diseases</p> <p>the necessary medical events</p> <p>provide emergency medical care for acute occupational diseases (poisoning)</p> <p>based on the clinical picture, functional disorders, the patient's profession and working conditions to solve questions about their working capacity and employment.</p> |
| Basic references: | |

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| Supplementary Textbook and Materials: | 1.Occupational Diseases. 2nd edition / V.A. Kapustnik, I.F. Kostyuk. 2018. 2.Textbook of Occupational Medicine Practice Hardcover /David Koh (Editor), Ken Takahashi (Editor). 2011. The list of resources of the information and telecommunication network "Internet" necessary for mastering the discipline: www.kyrlibnet.kg . - www.iprbookshop.ru . - www.consilium-medicum.com . www.medportal.ru . - www.studmedlib.ru . |
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COURSE POLICY AND EVALUATION CRITERIA:

| Type of control (current, milestone, final) | Control form | Assessment of learning outcomes |
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| Attendance | For one missed lesson minus 2 points | 20 points |
| Current control | Oral survey, written work | 20 points |
| IWS+IWW | Performing assignments, work with literature | 20 points |
| Milestone control (modul submission) | Testing, control tasks | 40 points |
| Final control (differential test) | Conversation, examination (test.edu.kg) | 100 points |

| Scale of correspondence between grades and scores on the final control (exam) | |
|--|------------------|
| Score | Grade |
| 90-100 | «excellent» |
| 76-89 | «good» |
| 60-75 | «satisfactory» |
| 0-59 | «unsatisfactory» |

| Course Plan | Lecture / Practice | Subject |
|--------------------|---------------------------|--|
| 1 week | | Introduction. The subject of occupational diseases. Definition. The purpose and objectives of the subject. Classification |
| 2 week | | Pneumoconiosis |
| 3 week | | Chronic dust bronchitis. Occupational bronchial asthma |
| 4 week | | Vibration disease. Professional hearing loss (cochlear neuritis) |
| 5 week | | Diseases caused by exposure of laser radiation, infrasound and ultrasound |

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| Modul 1 (Date) | | |
| 6 week | | Benzene intoxication. Chlororganic compounds Intoxication |
| 7 week | | Diseases caused by antibiotics action |
| 8 week | | Musculoskeletal system diseases |
| 9 week | | Occupational disease of medical workers |
| Modul 2 (Date) | | |