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MINISTRY OF HEALTH OF UKRAINE.
ODESSA NATIONAL MEDICAL UNIVERSITY.

Medical faculty
Department of infectious diseases



APPROVED

Vice-rector on scientific and pedagogical work.

Edvard BURACHKIVSKYI

01.09.2024

STUDENT'S GUIDELINES
on study discipline:

International faculty, 4th year
Infectious diseases
Content module 1

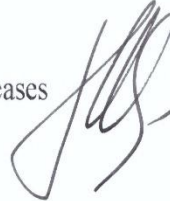
Approved:

Meeting of the Department of Infectious Diseases

Odessa National Medical University

Protocol No. 1 of 29.08.2024

Head of the Department of Infectious Diseases



Tetiana CHABAN

Teacher(s)

Chaban T.V. PhD. Doctor of Sciences, professor, head of the department.

Associate professors: candidate of medical science Usychenko K.M., Pavlenko

O.V., Gerasymenko O.A., N.V. Movlyanova

Assistants: Bocharov V.M., Verba N.V.

Practical class No. 1

Topic № 1: "The concept of the infectious process. General characteristics of intestinal infections" - 2 hours

Goal:

To improve the knowledge of students regarding: they include "infection", "infectious process", "infectious disease", features of infectious diseases, their classification, principles of diagnosis, treatment and prevention; characteristics of infectious diseases with fecal-oral transmission mechanism, etiology, epidemiology, pathogenesis, clinical manifestations; to form a professional skill in drawing up a plan for examining a patient for infectious diseases with a fecal-oral transmission mechanism, a comprehensive plan for the treatment of a patient and necessary preventive measures.

Basic concepts:

Infectious disease, infectious process, pathogen source, fecal-oral mechanism of transmission

Equipment: illustrative material, tables, thematic patients

Plan:

1. There are organizational activities (greetings, verification of those present, announcement of the topic, purpose of the class, motivation of applicants of higher education to study the topic).
2. Control of the reference level of knowledge is carried out by the method of frontal survey. To control the reference level of knowledge with a student of higher education must know the answers to the questions.
 - Concepts of "infection", "infectious process", "infectious disease".
 - Mechanisms of transmission of pathogens of infectious diseases.
 - Classification of infectious diseases.
 - Age characteristics of the course of infectious diseases
 - Indications for hospitalization of infectious patients.
 - Media categories, media measures.
 - Principles of diagnosis of infectious diseases. Features of the formation of an immune response after an infectious disease. Features of the formation of post-vaccination immunity.
 - The concept of specific prevention of infectious diseases. Vaccination.
 - The concept of "calendar of preventive vaccinations". The concept of "recommended vaccinations". Vaccination according to epidemic indications. Vaccination of risk groups.
 - Non-specific and specific methods of laboratory examination.

- Principles of treatment of infectious diseases. Etiotropic, symptomatic and pathogenetic therapy.
 - General characteristics of infectious diseases with fecal-oral transmission mechanism
 - Epidemiological features of intestinal infectious diseases with fecal-oral transmission mechanism.
 - Leading clinical symptoms and syndromes in patients with intestinal infections.
 - Modern methods of laboratory diagnostics infectious diseases with fecal-oral transmission mechanism.
 - Indications for hospitalization and rules for discharge of patients for infectious diseases with fecal-oral transmission mechanism
3. Formation of professional abilities and skills (mastery of skills, conducting curation, determining the treatment scheme, conducting laboratory research, etc.).

Recommendations (instructions) for performing the tasks

A student of higher education must:

- be able to collect complaints, anamnesis of life and diseases, epidemiological anamnesis of the patient of infectious diseases with fecal-oral transmission mechanism;
- conduct a physical examination of a patient with infectious diseases with a fecal-oral transmission mechanism and determine the main symptoms of the disease;
- prescribe a complex of laboratory and instrumental studies of a patient with infectious diseases with a fecal-oral transmission mechanism and analyze the results obtained;
- substantiate the clinical diagnosis of a patient with infectious diseases with a fecal-oral transmission mechanism and carry out differential diagnosis with diseases with diarrhea syndrome;
- determine the tactics of providing emergency medical care in emergency situations (infectious-toxic shock, dehydration shock, intestinal bleeding, intestinal perforation) in a patient with infectious diseases with a fecal-oral transmission mechanism;
- to create a comprehensive treatment plan for a patient with an infectious disease diagnosis, observing relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes.
- to determine preventive measures of infectious diseases with fecal-oral transmission mechanism;
- draw up the medical documentation of a patient with an infectious disease with a fecal-oral transmission mechanism;
- make a report on the results of the examination of patients with infectious diseases with the fecal-oral mechanism of transmission by a team of students in the study group, an analysis under the guidance of the teacher of the correctness

of the diagnosis, differential diagnosis, the scope of the prescribed examination, treatment tactics, assessment of prognosis and work capacity.

Materials for the final stage of the practical class

4. Summary:

There are evaluation of the students, summing up, announcement of the topic of the next practical class.

5. List of recommended literature (main, additional, electronic information resources):

Main:

1. Infectious diseases: Підручник для мед. ун-тів, інст., акад. Затверджено МОН і МОЗ / Голубовська О.А., Андрейчин М.А., Шкурба А.В.; за ред. О.А. Голубовської. К.: ВСВ «Медицина», 2018. –с. 6-15.
2. CDC Yellow Book 2018: Health Information for International Travel \ Edited by Brunette Gary W Kozarsky Phyllis. Oxford University Press, 2017. 704 pp.

Additional:

1. Harrison's Principles of internal medicine. 19th edition /edited by Anthony S. Fauci, Dennis L Kasper, Dan L. Longo [et all]. – New York. - 2017. – P. 876-898.
2. Comprehensive Textbook of Infectious Disease : M. I. Sahadulla, S. A. Udman. – 2nd edition. Jaypee Brothers, Medical Publishers Pvt. Limited, 2019 – 835 p.
3. Recognition and diagnosis of infectious diseases / Посібник для англomовних студентів медичних вузів. М. Kryzhanska, О. Zubach, О. Vorozhbyt // – Львів: ЛНМУ, 2018. – 95 с.

Electronic information resources:

1. www.who.int- World Health Organization
2. www.ama-assn.org–American Medical Association /American Medical Association
3. www.dec.gov.ua/mtd/home/- State Expert Center of the Ministry of Health of Ukraine
4. <http://bma.org.uk>– British Medical Association
5. www.gmc-uk.org- General Medical Council (GMC)
6. www.bundesaerztekammer.de– German Medical Association
7. <https://library.odmu.edu.ua/catalog/>- Electronic catalog

The criteria of evaluation of the students on practical class

rating	criteria of evaluation
Excellent "5"	The student is fluent in the material, takes an active part in discussing and solving a situational clinical problem, confidently demonstrates practical skills during the examination of a patient and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the topic of the class, demonstrates clinical thinking.
Good "4"	The applicant has a good command of the material, participates in the discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a patient and the interpretation of clinical, laboratory and instrumental research data with some errors, expresses his opinion on the topic of the class, demonstrates clinical thinking.
Satisfactory "3"	The acquirer does not have sufficient knowledge of the material, is unsure of participating in the discussion and solution of the situational clinical problem, demonstrates practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data with significant errors.
Unsatisfactory "2"	The acquirer does not possess the material, does not participate in the discussion and solution of the situational clinical problem, does not demonstrate practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data.