

## NURSING DIAGNOSIS AND THERAPEUTIC APPROACH IN INFECTIOUS DISEASE - PREVENTION OF NOSOCOMIAL INFECTIONS IN CRITICAL CARE

### LEARNING OUTCOMES

#### KNOWLEDGE

- KNOWLEDGE OF THE MAIN INFECTIOUS DISEASES SPECIFIC TO THE GEOGRAPHICAL AREA AND THE ADAPTATION OF MEDICAL CARE TECHNIQUES TO THE NEEDS OF THE PATIENT SUFFERING FROM AN INFECTIOUS DISEASE
- KNOWLEDGE AND OBSERVANCE OF UNIVERSAL PRECAUTIONS
- KNOWLEDGE OF ANTIMICROBIAL TREATMENT: INDICATIONS, CONTRAINDICATIONS, MODE OF ADMINISTRATION
- TRANSMISSION OF BASIC KNOWLEDGE IN THE FIELD OF COMMUNICABLE AND NON-COMMUNICABLE INFECTIOUS DISEASES
- RECOGNITION OF THE SYMPTOMS AND SYNDROMES THAT DEFINE THE INFECTIOUS DISEASE - FEBRILE SYNDROME, ERUPTIVE SYNDROME, DIARRHEAL SYNDROME, MENINGEAL SYNDROME
- KNOWLEDGE REGARDING THE ROLE OF THE NURSE IN THE DIAGNOSIS OF INFECTIOUS DISEASES - LEARNING THE TECHNIQUES OF COLLECTING BIOLOGICAL PRODUCTS FOR THE PURPOSE OF DIAGNOSIS

#### SKILLS

- THE ABILITY TO DEVELOP SPECIAL CARE PROJECTS FOR PATIENTS SUFFERING FROM EMERGING / RE-EMERGING INFECTIOUS DISEASES
- THE ABILITY TO PREPARE AND ASSIST THE PATIENT BOTH AT THE DAILY MEDICAL VISIT AND AT MULTIDISCIPLINARY CONSULTATIONS
- SCIENTIFIC RESEARCH ON THE SPECIAL - CURATIVE AND PROPHYLACTIC CARE OF PATIENTS SUFFERING FROM INFECTIOUS DISEASES, COMPLETED IN UNDERGRADUATE THESES
- ADMINISTRATION TECHNIQUES OF ANTIBIOTIC THERAPY, HETEROLOGOUS SERUMS / IMMUNOGLOBULINS, FOR CURATIVE AND PROPHYLACTIC PURPOSES

#### COMPETENCES

- ACQUISITION OF ORAL AND WRITTEN COMMUNICATION SKILLS WITH PATIENTS
- ACHIEVING A WORK / PROJECT, PERFORMING SPECIFIC TASKS RESPONSIBLY IN A TEAM ROLE
- COORDINATING PROJECTS TO SOLVE SPECIFIC PROBLEMS IN THE INFECTIOUS DISEASES FIELD, THE CORRECT EVALUATION OF WORKLOAD
- APPLYING THE PRINCIPLES OF ETHICS AND PROFESSIONAL ETHICS IN THE FIELD

### ECTS CREDITS

3 ECTS

<i>Theoretical courses</i>	<i>Teaching Methodology</i>	<i>Number of hours</i>
Introduction to infectious diseases (historically, definition, pathogen-host relationship Harvesting of laboratory samples	Oral presentation + multimedia, E-learning. Online platform	1

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<p>Nursing diagnosis and therapeutic approach in Eruptive infectious diseases - Scarlet fever and streptococcal angina</p>		
<p>Nursing diagnosis and therapeutic approach in Eruptive infectious diseases – Rubeola, Measles, Chickenpox and herpes zoster Nursing diagnosis and therapeutic approach in Airborne infectious diseases - Infectious mononucleosis, Epidemic parotitis, Convulsive cough, Diphtheria, Respiratory viruses and influenza</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>1</p>
<p>Nursing diagnosis and therapeutic approach in Infections of the central nervous system - Anatomical aspects of the CNS, Meningitis, Bacterial meningitis, Viral meningitis, Tuberculous meningitis, Cryptococcal meningitis Nursing diagnosis and therapeutic approach in Infections of the central nervous system - encephalitis</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>1</p>
<p>Nursing diagnosis and therapeutic approach in Infectious diseases with tegumentary entry gate - Rabies, Tetanus, Leptospirosis, Erysipelas, impetigo streptococci, Anthrax, Lyme disease Nursing diagnosis and therapeutic approach in Infections with maternal-fetal transmission (TORCH) - Toxoplasmosis, Infection with cytomegalovirus, Infection with the herpes simplex virus</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>1</p>
<p>Nursing diagnosis and therapeutic approach in Sepsis - The technique of caring for the patient with sepsis Nursing diagnosis and therapeutic approach in Acute viral hepatitis - Acute viral hepatitis A, Acute viral hepatitis B, Acute viral hepatitis C, Acute viral hepatitis D, Acute viral hepatitis E, Hepatitis during pregnancy, The technique of caring for patients with hepatitis</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>1</p>
<p>Nursing diagnosis and therapeutic approach in Infectious diseases with digestive entry gate - Acute diarrheal disease, Diarrheal diseases of viral etiology, Bacterial diarrheal diseases, Salmonellosis and typhoid fever, Dysentery, Cholera, Enterocolitis with Clostridium difficile Nursing diagnosis and therapeutic approach in Other infectious diseases with digestive entry gate - Food poisoning, Botulism, Enteroviruses, Poliomyelitis</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>1</p>
<p>Nursing diagnosis and therapeutic approach in HIV/AIDS infection - The technique of caring for the sick Nursing diagnosis and therapeutic approach in Nosocomial infections - Measures in case of accidental exposure to biological products, Techniques for preventing nosocomial infections</p>	<p>Oral presentation + multimedia, E-learning. Online platform</p>	<p>1</p>



<b>Practical activities</b>	<b>Teaching Methodology</b>	<b>Number of hours</b>
Techniques for collecting biological products for etiological diagnosis Care plan for patients with eruptive diseases - chicken pox / herpes zoster	Practical demonstrations, practical manoeuvres characteristics for eruptive diseases. Virtual laboratory	2
Care plan for patients with eruptive diseases - measles, rubella Care of patients with central nervous system infections – meningitis	Practical demonstrations, practical manoeuvres characteristics for eruptive diseases and central nervous system infections. Virtual laboratory	2
Care of patients with central nervous system infections - encephalitis Care of patients with acute diarrheal disease	Practical demonstrations, practical manoeuvres characteristics for central nervous system infections and acute diarrheal disease. Virtual laboratory	2
Care of patients with botulism Care of patients with diseases with a skin entry gate - leptospirosis	Practical demonstrations, practical manoeuvres characteristics for botulism and diseases with a skin entry gate. Virtual laboratory	2
Care of patients with streptococcal infections: scarlet fever, erysipelas, acute streptococcal angina Care of patients with infections with respiratory entry gate - flu, respiratory viruses. SARS-CoV2 infection	Practical demonstrations, practical manoeuvres characteristics for streptococcal infections and infections with respiratory entry gate. Virtual laboratory	2
Care of patients with viral hepatitis Care of patients with HIV/AIDS infection	Practical demonstrations, practical manoeuvres characteristics for viral hepatitis and HIV/AIDS infection. Virtual laboratory	2
Care of patients with nosocomial infection. Antibiotic utilization controls. Infection control measures. Care of patients with systemic infections	Practical demonstrations, practical manoeuvres characteristics for nosocomial infections and systemic infections. Virtual laboratory	2

### References

1. Netter s -Infectious Diseases 2012.
2. Feather A, Randall D, Waterhouse M - Kumar & Clark's Clinical Medicine, 10th Edition, 2021,Elsevier.
3. Georgescu AM, Tilea B, Chiriac C (sub red): Infectious diseases. University Press Tirgu Mures publishing house, 2014, 258 pg, ISBN 978-973-169-318-7



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Evaluation	
Course activities – percent of the final grade - 50%	Practical activities – percent of the final grade - 50%
Final mark	

Training Methods
<ul style="list-style-type: none"> <li>- Lectures</li> <li>- Independent Study</li> <li>- Clinical stages</li> </ul>
Innovative Digital Training Methods
<ul style="list-style-type: none"> <li>- Virtual laboratory</li> <li>- Online platform</li> <li>- E-learning</li> </ul>