



## EUROPEAN MEDICAL SCHOOL

### Programme Learning Outcomes

(from Educational and professional programme "Medicine", 2025)

<b>Medical knowledge</b>	<p>Comprehensive and integrated knowledge of the structure, functions, and pathology of the human body, the mechanisms of disease development, and the principles of prevention, diagnosis, and treatment. This includes an evidence-based foundation in biomedical, clinical, epidemiological, and social and behavioural sciences, which underpin clinical reasoning and sound medical decision-making.</p>
	<p><b>PLO 2.</b> Synthesize comprehensive knowledge of the structure and functions of the human body, as well as an understanding of the mechanisms of disease, formed on the basis of fundamental and clinical biomedical sciences. Applies this knowledge to informed decision-making in diagnosis, treatment, and prevention of diseases.</p>
	<p><b>PLO 3.</b> Critically appraise modern scientific approaches to the analysis of medical and interdisciplinary problems, principles of planning and conducting research, and applies scientific sources and the principles of evidence-based medicine in professional activity.</p>
	<p><b>PLO 21.</b> Update knowledge for professional activity using professional literature, scientific sources, and databases on a regular basis.</p>
	<p><b>PLO 22.</b> Apply modern digital technologies, analytical tools, and artificial intelligence systems to provide high-quality medical care based on the latest scientific and clinical advances, to optimise teamwork, and to improve healthcare workflows.</p>
<b>Patient Care and Procedural Skills</b>	<p>Proficiency in interacting effectively with patients in order to obtain a history, perform physical examination, establish a diagnosis, plan management, and carry out basic medical procedures. These skills are developed within safe and structured clinical practice, with a clear understanding of the limits of one's competence.</p>
	<p><b>PLO 4.</b> Conduct an initial patient assessment, recognizes key symptoms and syndromes (List 1), and formulates a clinically sound preliminary diagnosis (List 2) based on integrated medical knowledge.</p>
	<p><b>PLO 5.</b> Conduct a clinical assessment of the patient by collecting complaints, medical and life history, assessing the functional state of organs and systems, and interpreting laboratory and instrumental test results (List 4), taking into account age-related characteristics.</p>
	<p><b>PLO 6.</b> Establish a final clinical diagnosis (List 2) by integrating clinical data from history, physical, laboratory, and instrumental examination, performing differential diagnosis, and considering specialist consultations, in compliance with ethical and legal norms, under supervision in a healthcare facility.</p>
	<p><b>PLO 10.</b> Design non-pharmacological clinical recommendations in accordance with the established diagnosis, including lifestyle recommendations, guided by modern clinical guidelines and with adherence to ethical and legal norms.</p>
	<p><b>PLO 11.</b> Develop evidence-based tactics for the management of physiological pregnancy, childbirth, and the postpartum period in accordance with modern clinical guidelines and standards.</p>
	<p><b>PLO 12.</b> Assess the general condition of a newborn by making informed decisions</p>

	<p>using established algorithms and standard schemes, while adhering to relevant ethical and legal norms.</p> <p><b>PLO 13.</b> Provide clinical supervision of a healthy child: assesses and monitors growth and development, gives personalised nutritional recommendations, and organises preventive vaccinations in accordance with the national immunisation schedule.</p> <p><b>PLO 17.</b> Perform medical procedures (List 5) in accordance with prescriptions, adhering to patient safety principles, professional ethics, and current legislation, under supervision.</p> <p><b>PLO 29.</b> Plan and organise specific prevention measures for infectious diseases, including immunoprophylaxis in accordance with the National Immunisation Schedule (mandatory and recommended); ensure accounting and control of vaccine use and remaining stock; organise supplementary vaccination campaigns.</p>
<b>Practice Based Learning and Improvement</b>	<p>Competence in applying clinical skills to address complex problems with a high level of autonomy in diverse contexts, including outside traditional healthcare settings or in resource-limited environments. This ensures a high level of professionalism and the capacity to make reasoned decisions in unpredictable situations, supported by continuous practice, self-reflection, and ongoing learning through experience.</p> <p><b>PLO 7.</b> Order additional diagnostic methods (List 4) in complex clinical cases (List 2), considering their evidence-based effectiveness, diagnostic value, clinical context, and resource limitations.</p> <p><b>PLO 8.</b> Prioritize the leading clinical syndrome or factor determining the severity of the patient's condition (List 3) through clinical analysis and informed decision-making under time constraints, incomplete clinical information, and/or extreme clinical environments, including emergencies, disasters, and resource-limited settings.</p> <p><b>PLO 9.</b> Formulate clinically justified decisions regarding treatment options, taking into account the preliminary diagnosis, the patient's conditions, and current evidence-based approaches; provides justification for personalised management when required, under supervision.</p> <p><b>PLO 14.</b> Deliver emergency medical care in urgent conditions (List 3), determining priorities and tactics in accordance with modern clinical protocols under time and resource constraints.</p> <p><b>PLO 15.</b> Coordinate the provision of medical care and evacuation measures for victims of emergencies, including armed conflicts and disasters of natural or technogenic origin.</p> <p><b>PLO 16.</b> Manage interaction between clinical structures to ensure effective patient pathways and applies tools for optimising healthcare services according to population needs and the competitive healthcare environment.</p> <p><b>PLO 18.</b> Assess the patient's functional status, determines temporary incapacity for work, and maintains the required clinical documentation in compliance with standards.</p> <p><b>PLO 24.</b> Maintain personal safety while performing professional duties, considering risks to oneself and others in situations threatening health or life, following the principles of safe clinical practice.</p>
	<p>Mastery of effective communication with patients, colleagues, and interprofessional teams, based on respect and mutual trust. These skills include active listening, consideration of the patient's social and cultural context and level of health literacy, participation in shared decision-making, and providing constructive feedback. Effective communication enhances the quality of care, strengthens teamwork, and contributes to the development of healthcare systems.</p> <p><b>PLO 25.</b> Model effective professional communication that ensures teamwork; establishes safe, trusting, and professional relationships with patients, their families, and the community, based on empathy, mutual respect, and awareness of bias; clearly and accessibly explains medical information according to the patient's needs.</p>

	<b>PLO 27.</b> Demonstrate proficiency in the Ukrainian language at a level sufficient for professional activity; demonstrate proficiency in English at a level sufficient for professional communication, searching and analysing evidence-based medical information, and continuously improving language skills through English-language professional resources.
<b>Professionalism</b>	Throughout the course of study, the medical student develops an understanding of professional identity as a doctor, grounded in core values, professional and behavioural standards, and ethical responsibility. This process occurs through recognising one's role in interactions with patients, colleagues, and society.
	<b>PLO 1.</b> Uphold professional duties responsibly, guided by ethical principles, current legislation, and standards of medical practice. Ensures respect for patient autonomy during clinical interaction. Maintains continuous professional development by integrating new knowledge, skills, and approaches into medical practice in accordance with current professional achievements.
	<b>PLO 30.</b> Demonstrate respectful, humane, empathic, and compassionate conduct toward patients, families, and colleagues; show openness to learning from peers with diverse backgrounds and experiences; recognise personal biases and apply strategies to mitigate their impact on care and teamwork.
	<b>PLO 31.</b> Evaluate the influence of personal well-being on professional performance; identify early signs of emotional and occupational burnout and apply prevention and recovery strategies; cultivate sources of meaning and professional fulfilment to support sustainable, long-term growth.
<b>System-Based Practice</b>	Proficiency in operating within a multi-level healthcare system, with consideration of the social and structural determinants of health and their impact on equity of access to healthcare. This encompasses an understanding of how healthcare systems, institutions, teams, and processes function, and active participation in ensuring patient safety, improving quality of care, and coordinating management across a variety of settings.
	<b>PLO 19.</b> Implement public health programs focused on infection control, modification of behavioural risk factors, and health promotion, using evidence-based approaches, awareness campaigns, and community collaboration.
	<b>PLO 20.</b> Evaluate the epidemiological situation and implements primary, secondary, and tertiary prevention measures for infectious diseases in accordance with national and international standards (CDC, WHO).
	<b>PLO 23.</b> Evaluate the impact of environmental and social determinants on population health, analysing their effect on access to healthcare, based on public health principles and evidence-based approaches.
	<b>PLO 26.</b> Lead teamwork, foster partnerships with patients and communities, implement innovative solutions, and strategically manage healthcare system processes to improve care quality and promote professional growth.
	<b>PLO 28.</b> Make informed healthcare decisions based on systems thinking, taking into account interrelations among resources, policies, social determinants, and health outcomes for individuals and communities.

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