

## SELECTIVE DISCIPLINE

for 4<sup>st</sup> year students of the Faculty of Dentistry

2020-2021 academic year

Name of discipline	EMERGENCY STATES IN PEDIATRICS
<b>Department</b>	Pediatrics and Medical Genetics
<b>Teachers</b>	Andriychuk D.R. Khlunovska L.Yu.
<b>A brief description of the content of the discipline</b>	<p><b>The aim of the discipline:</b> to acquire knowledge and skills related to the providing of emergency care to a child in critical conditions, serious illnesses and accidents.</p> <p><b>Tasks:</b></p> <ol style="list-style-type: none"> <li>1. To teach the future pediatric dentist to collect and evaluate information about the child's health.</li> <li>2. Teach the correct diagnosis and choice of necessary treatment measures.</li> <li>3. Educate the doctor the necessary determination, efficiency and ability to organize the necessary care to eliminate the threatening condition.</li> <li>4. To study the methods of providing emergency care in pediatrics which are constantly improving, taking into account the latest advances in medical science in general and pediatrics in particular.</li> <li>5. Diagnose and provide emergency medical care for acute conditions in children: acute cardiovascular failure; respiratory failure; convulsive syndrome; Quincke's edema; hyperthermia, and others.</li> </ol> <p><b>The results of the study of the discipline:</b> <i>The student should know:</i></p> <ol style="list-style-type: none"> <li>1. Conduct a clinical examination of various organs and systems in healthy and sick children.</li> <li>2. Features of intensive care aimed at preventing the development of irreversible metabolic changes in the organs in catastrophic disorders of their vital functions.</li> <li>3. Pathological syndromes that directly threaten the life of the patient and the arsenal of drugs used to eliminate them.</li> <li>4. Disorders of water-electrolyte metabolism and acid-base balance in children.</li> <li>5. Emergency conditions of early childhood (spasmophilia, hypervitaminosis D, convulsive syndrome, hyperthermic syndrome).</li> <li>6. Acute circulatory disorders (shock of various kinds, fainting, collapse, acute heart failure).</li> <li>7. Disorders of rate and rhythm of the heart (bradycardia, paroxysmal tachycardia, WPW syndrome, blockades) (Centre of Simulation Medicine).</li> <li>8. Acute respiratory failure (foreign body, asthmatic status, apnea).</li> <li>9. Emergency care for diseases of the digestive system (vomiting, gastrointestinal bleeding, acute liver failure, Ray syndrome).</li> </ol>

	<p>10. Emergency care for kidney disease (acute renal failure, hemolytic-uremic syndrome).</p> <p>11. Emergency care in diabetology (ketoacidotic, hyperglycemic, lactic-acidotic and hypoglycemic coma).</p> <p>12. Acute poisoning in children.</p> <p><i>The student should be able to:</i></p> <ol style="list-style-type: none"> <li>1. Basics of cardiopulmonary and cerebral resuscitation in children of different ages (Centre of Simulation Medicine).</li> <li>2. Diagnose and provide emergency care for basic emergencies in the pediatric clinic.</li> <li>3. Demonstrate moral-deontological and subordinate principles of a medical specialist.</li> </ol>
<p><b>Providing general and professional competencies</b></p>	<p><b>GC 1</b> Ability to abstract thinking, analysis and synthesis.</p> <p><b>GC 2</b> Knowledge and understanding of the subject area and understanding of professional activity.</p> <p><b>GC 3</b> Ability to apply knowledge in practice.</p> <p><b>GC 8</b> Ability to adapt and act in a new situation.</p> <p><b>GC 9</b> Ability to identify, pose and solve problems.</p> <p><b>GC 10</b> The ability to be critical and self-critical.</p> <p><b>PG 1</b> Ability to collect medical information about the patient and analyze clinical data.</p> <p><b>PG 3</b> Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.</p> <p><b>PG 7</b> Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.</p> <p><b>PG 8</b> Ability to perform medical and dental manipulations.</p> <p><b>PG 9</b> Ability to treat basic diseases of organs and tissues of the oral cavity and maxillofacial region.</p>