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	<p>Federal State Budgetary Educational Institution of Higher Education Volgograd State Medical University of the Ministry of Health of the Russian Federation</p> <p>Educational program directions of preparation 31.05.01 «Medical case»</p>	<p>TRAINING AND METHODOLOGICAL COMPLEX DISCIPLINES «Hospital Surgery. Pediatric Surgery»</p>
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**Thematic plan of lecture-type classes
in the discipline "Hospital surgery, pediatric surgery" for
students of 6 course of 31.05.01 "Medical case" training
for 2023-2024 academic year**

№	The topics of lecture-type classes	Hours (academic)
1	<p>Surgical diseases and abnormalities of lung development, diaphragm, esophagus in children.¹ Antenatal diagnosis. Combined anomalies. Classification. Principles of early neonatal resuscitation. Major syndromes. Principles of treatment of pulmonary hypertension. Duration and scope of preoperative preparation. Timing and types of surgical interventions. Postoperative management. Nearest and long-term results of operations. Lung malformations in children. Classification. Major syndromes. Timing and types of surgical interventions. Medical examination. Hernia of the diaphragm. Classification. Antenatal diagnostics. Esophageal atresia. Esophageal atresia clinic (early symptoms). Complications. Diagnosis of esophageal atresia (esophageal sounding, Elephant test, esophageal contrast radiography, esophagoscopy). Differential diagnostics. Transportation features, preoperative preparation. One- and two-stage surgical treatments for esophageal atresia.²</p>	2
2.	<p>Childhood traumatology.¹ - Historical aspects of the development of childhood traumatology. Upper and lower extremity injuries in children. Forms of fractures typical of children (subperiosteal fractures, epiphyseolysis, osteoepiphyseolysis). Causes of shorter fracture healing times in children. Clinic, diagnosis and differential diagnosis of limb bone fractures. - Birth trauma. Etiology, pathogenesis, clinic, diagnosis and treatments. - Timing of consolidation and immobilization depending on the age of the child. The basic principles of the treatment of tubular bone fractures: - first aid (splint application, anesthesia); - closed reposition, gypsum bandage (peculiarities of application in newborns); - adhesive plaster and skeletal stretching; - extra-focal osteosynthesis - methods of intramedullary and extracostal osteosynthesis. Pathological fractures in children (impaired mineral metabolism, primary brittle bones, osteomyelitis, tuberculosis, etc.). Treatment features. Errors in the diagnosis and treatment of fractures. Hemarthrosis. Diagnosis and treatment. Dislocations. Clinical manifestations and treatment principles. Frequency, causes, damage classification. Diagnosis at the prehospital stage and first aid. Diagnostic methods at the hospital stage. Value of visualization methods in the setup diagnosis. Conservative and surgical treatment.²</p>	2
	totally	4

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Educational program directions
of preparation 31.05.01
«Medical case»

TRAINING AND
METHODOLOGICAL
COMPLEX DISCIPLINES
«Hospital Surgery.
Pediatric Surgery»

1 - subject

2 - essential content

Discussed at a meeting of the Department of Pediatric Surgery, Protocol No. 10 dated
May, 29, 2023

Head of Department
pediatric surgery, Doctor of
Medical Sciences,
Professor

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