

**Ministry of Education and Science of the Kyrgyz Republic**  
**Kyrgyz State Medical Academy named after I.K. Akhunbaev**  
**Faculty of Postgraduate Medical Education**  
**DEPARTMENT OF NEUROSURGERY PRE AND POSTGRADUATE EDUCATION**  
**ACADEMIC PLAN**

**AGREED**

Human Resource Management and  
organizational work of the Ministry of Health of the  
Kyrgyz Republic

*[Signature]*  
 « 10 » 09 2010 year.

**APPROVED**

Rector of KSMA named after I.K. Akhunbaev  
Professor K. Jaibergenova I.O.

*[Signature]*  
 « 09 » 2010 year.



**Code: 074**

**Awarded qualification: Doctor neurosurgeon**

**The normative period of training is 4 years Form of training - full-time**

№	Name of disciplines	Distribution of curriculum time by lessons		Distribution of hours by year			
		Total labor intensity according		1 year	2 year	3 year	4 year
		in credit units. / credits	in hours	week	week	week	week
<b>1 year of study (basic part)</b>							
1	Introduction to GP	1,6	48	1			
2	Section "Surgery"	16,0	480	10			
3	Section "Obstetrics and Gynecology"	16,0	480	10			
4	Section "Therapy"	19,2	576	12			
5	Section "Pediatrics"	17,2	528	11			
6	Ambulance and emergency (including simulation course)	3,2	96	2			
	Attestation	3,2	96	2			
	<b>TOTAL</b>	<b>76,8</b>	<b>2304</b>	<b>48</b>			

№	Name of disciplines	Distribution of curriculum time by lessons		Distribution of hours by year			
		Total labor intensity according		1 year	2 year	3 year	4 year
		in credit units. / credits	in hours	week	week	week	week
	<b>2 year of study</b>						
	<b>General clinical disciplines (related and fundamental)</b>						
	Related disciplines:						
1	Functional diagnostics	4,1	123		3		
2	Traumatology	4,8	144		3		
3	Ophthalmology	3,2	96		2		
4	Otorhinolaryngology (ENT)	3,2	96		2		
5	Oncology	3,2	96		2		
6	Infectious diseases	3,2	96		2		
7	Phthisiology	3,2	96		2		
	<b>Total:</b>	<b>24,9</b>	<b>768</b>		<b>16</b>		
	<b>Special (professional) discipline</b>						
	<b>Hospital</b>						
1	The motor system and symptoms of damage. Hemi and a pair of plegias and paresis ..	3,2	96		2		
2	Sensitivity and symptoms	3,2	96		2		
3	Cranial nerves. Symptoms of lesion in TBI, vascular and tumor diseases.	3,2	96		2		
	Alternating syndromes. Management of patients with lesions of the brain stem	3,2	96		2		
4	Higher mental functions and syndromes of defeat	3,2	96		2		
5	Operative neurosurgery. Types of neurosurgical interventions	6,4	192		4		
6	Outpatient management of neurotraumatological patients	9,6	288		6		

7	Inpatient management of neurotraumatological patients	4,8	144		3		
8	Simulation course	2,3	69		1		
	<b>Total:</b>	<b>39,1</b>	<b>1152</b>		<b>24</b>		
	<b>Optional disciplines (humanitarian and general education block and special disciplines)</b>						
1	Istanbul Protocol (jurisprudence)	4,8	144		3		
2	pedagogy and psychology	4,8	144		3		
	<b>Total:</b>	<b>9,6</b>	<b>288</b>		<b>6</b>		
	<b>Attestation</b>	3,2	96		2		
	<b>TOTAL</b>	<b>76,8</b>	<b>2304</b>		<b>48</b>		

№	Name of disciplines	Distribution of curriculum time by lessons		Distribution of hours by year			
		Total labor intensity according		1 year week	2 year week	3 year week	4 year week
		in credit units. / credits	in hours				
	<b>3 year of study</b>						
	<b>Смежные дисциплины:</b>						
1	Functional diagnostics	4,8	144			3	
2	Traumatology	4,8	144			3	
3	Ophthalmology	1,6	48			1	
4	Otorhinolaryngology (ENT)	1,6	48			1	
5	Oncology	3,2	96			2	
6	Infectious diseases	1,6	48			1	
7	Anesthesiology and resuscitation	1,6	48			1	
	<b>Total:</b>	<b>19,2</b>	<b>576</b>			<b>12</b>	
	<b>Special (professional) discipline</b>						
	<b>Hospital</b>						
1	Traumatic brain injury. Diagnostic principles and types of treatment.	3,2	96			2	

2	Spinal cord injury. Providing emergency care. Diagnostics and treatment options.	3,2	96			2	
3	Peripheral nerve damage. Neuroraphy. Modern methods of surgical treatment.	3,2	96			2	
4	Vascular diseases of the brain. Diagnostic principles and types of treatment.	3,2	96			2	
5	Degenerative diseases of the spine. Diagnostic and treatment methods.	3,2	96			2	
6	Inflammatory diseases of the brain and spinal cord. Abscesses and epiduritis.	3,2	96			2	
7	Emergencies in neurosurgery.	4,8	144			3	
8	Congenital malformations of the central nervous system and PNS.	3,2	96			2	
9	Postoperative neuroresuscitation.	4,8	144			3	
10	Outpatient management of neurosurgical patients	11,2	336			7	
	<b>Total:</b>	<b>43,2</b>	<b>1296</b>			<b>27</b>	
	<b>Optional disciplines (humanitarian and general education block and special disciplines)</b>						
1	Emergency medicine	4,8	144			3	
2	E-health	4,8	144			3	
3	Functional neurosurgery	1,6	48			1	
	<b>Total:</b>	<b>11,2</b>	<b>336</b>			<b>7</b>	
	<b>Attestation</b>	<b>3,2</b>	<b>96</b>			<b>2</b>	
	<b>TOTAL</b>	<b>76,8</b>	<b>2304</b>			<b>48</b>	

№	Name of disciplines	Distribution of curriculum time by lessons		Distribution of hours by year			
		Total labor intensity according		1 year	2 year	3 year	4 year
		in credit units. / credits	in hours	week	week	week	week
	<b>4 year of study</b>						
	<b>Special (professional) discipline</b>						
	<b>Hospital</b>						
1	Parasitic diseases of the brain	3,2	96				2
2	Brain tumors. Diagnostic principles and modern methods of surgical treatment.	4,8	144				3
3	Spinal cord tumors. Diagnostic principles and modern methods of surgical treatment.	4,8	144				3
4	Gunshot wounds of the brain. Diagnostic and surgical methods.	4,8	144				3
5	Gunshot wounds of the spine and spinal cord. First aid. Modern methods of surgical treatment.	4,8	144				3
6	Epileptic disease. Episyndromes. Surgical treatment of epilepsy.	4,8	144				3
7	Endoscopic skull base surgery.	4,8	144				3
8	Endovascular neurosurgery.	4,8	144				3
9	Functional neurosurgery for lesions of the basal structures of the brain.	4,8	144				3
10	Radiosurgery of brain and spinal cord tumors.	4,8	144				3
11	Reconstructive neurosurgery of the cranial vault and base	4,8	144				3
12	Spine reconstructive neurosurgery	4,8	144				3
13	Stereotactic neurosurgery	4,8	144				3
14	Neurorehabilitation	2,4	72				1,5
	<b>Outpatient management of neurosurgical patients</b>	9,0	270				5,5
	<b>Total:</b>	72,2	2166				45

	<b>Elective course in neurosurgery</b>						
1	<b>Neuroresuscitation</b>	1,4	42				1
	<b>Total:</b>	1,4	42				1
	<b>Attestation</b>	3,2	96				2
	<b>TOTAL</b>	76,8	2304				48

**Head of Department Neurosurgeons pre and postgraduate  
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