

**MINISTRY OF HEALTH
OF THE KYRGYZ REPUBLIC**

**I.K. AKHUNBAEV KYRGYZ STATE
MEDICAL ACADEMY**

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**Basic professional educational program
training in clinical residency for foreign citizens**

specialty: "Cardiology"

Normative period of study: **THREE (3) YEARS**

Implementation of an individual plan for 3 years of study

Disciplines	Academic		Auditorium work 10%		Practical work 50%	Independent work 40%
	Hours	Weeks	Lectures	Seminars		
1.General clinical disciplines	-	-	-	-	-	-
1. Therapy pulmonology	108	2	4	4	56	44
Gastroenterology	108	2	4	4	56	44
Nephrology	108	2	4	4	56	44
Endocrinology	162	3	6	6	84	66
Hematology	108	2	4	4	56	44
2.Anesthesiology and resuscitation	108	2	4	4	56	44
3. Infectious disease	108	2	4	4	56	44
4. Phthisiology	108	2	4	4	56	44
5. Dermatovenerologic diseases	54	1	2	2	28	22
6. Clinical pharmacology	108	2	4	4	56	44
7. Probative medicine	54	1	2	2	28	22
8. Cardiac Surgery	324	6	12	12	168	132
Total:	1458	27	54	54	756	594
II. Main Discipline	-	-	-	-	-	-
1. Cardiology	-	-	-	-	-	-
1.Anatomy and physiology of blood- vascular organs and	54	1	2	2	28	22

musculoskeletal system in patients of different age						
2.Methods of research in cardiology and rheumatology. Standards and basic study parameters of cardiovascular system and osteoarticular system	54	1	2	2	28	22
3.Atherosclerosis	54	1	2	2	28	22
4.Coronary Heart Disease	324	6	12	12	168	132
4.1. Stable Angina	-	-	4	4	-	-
4.2. Atherosclerotic disease	-	-	2	2	-	-
4.3. Acute coronary syndrome	-	-	10	10	-	-
4.3.1. Unstable angina	-	-	4	5	-	-
4.3.2. Acute myocardial infarction	-	-	6	5	-	-
5. Essential hypertension (morbus hypertonicus)	216	4	8	8	112	88
6. Symptomatic hypertension	54	1	2	2	28	22
7. Rhythm and conduction disturbance	216	4	8	8	112	88
8. Disease of myocardium	108	2	4	4	56	44
9. Diseases of pericardium	108	2	4	4	56	44
10. Diseases of endocardium	108	2	4	4	56	44
11. Acute and chronic heart failure	216	4	8	8	112	88
12. Mitral valve prolapse	54	1	2	2	28	22
13. High-altitude pulmonary hypertension	54	1	2	2	28	22
14.Pulmonary embolism	54	1	2	2	28	22
15. Cardiovascular system affection at extracardiac pathology and other diseases	54	1	2	2	28	22
Total:	1728	32	64	64	896	704
2. Urgent Cardiology	-	-	-	-	-	-
1. Cardiogenic shock	54	1	2	2	28	22
2. Cardiac asthma, pulmonary edema	54	1	2	2	28	22
3. Hypertensive crises	54	1	2	2	28	22
4. Instable angina	54	1	2	2	28	22
5. Acute myocardial infarction	216	4	8	8	112	88
6 .Acute rhythm and conduction disturbances	270	5	10	10	140	110
Total:	702	13	26	26	364	286
3. Rheumatology	-	-	-	-	-	-
1. Acute rheumatic fever	324	6	12	12	168	132
2. Acquired valvular diseases	324	6	12	12	168	132
3. Rheumatoid arthritis	108	2	4	4	56	44
4. Sponylarthritis, urogenous arthritis	54	1	2	2	28	22
5. Reactive arthritis	54	1	2	2	28	22
6. Systemic lupus erythematosus	54	1	2	2	28	22

7. Dermatomyositis	54	1	2	2	28	22
8. Scleroderma systematica	54	1	2	2	28	22
9. Systemic angiitis	108	2	4	4	56	44
10. Gout	54	1	2	2	28	22
11. Osteoarthritis	54	1	2	2	28	22
12. Sjogren's sicca syndrome	54	1	2	2	28	22
13. Methods of intensive care in rheumatology	54	1	2	2	28	22
14. Intra-articular introduction of drugs	54	1	2	2	28	22
Total:	1350	25	50	50	675	575
4.Ambulatory work of cardio-rheumatologist	648	12	24	24	336	264
5. Functional diagnostics	540	10	20	20	280	220
-Echocardiography, Doppler	216	4	8	8	112	88
Echocardiology						
Stress-echocardiography						
-ECG	108	2	4	4	6	44
- daily ECG, blood pressure monitoring	54	1	2	3	27	22
- functional tests (VEM, hyperventilation, cold, medication ones)	54	1	2	3	28	22
- X-ray methods of examination (CT, MRI, aortography, CAG, left ventriculography, scintigraphy , catherization of cardial cavities)	108	2	4	4	56	44
6. Laboratory research	108	2	4	4	56	44
1. Clinical study of peripheral blood	54	1	2	2	28	22
2. Biochemical blood tests, Immunological test	54	1	2	2	28	22
7. Simulation course	108	2	4	4	56	44
1. cardiopulmonary resuscitation / medical manipulation	54	1	2	2	28	22
2. auscultation of lungs, hear; nursing care	54	1	2	2	28	22
III. Humanities educational block	810	15	-	-	-	-
1. Foreign language	162	3	-	-	-	-
2. Pedagogy and psychology	216	4	-	-	-	-
3. Medical statics, informatics	216	4	-	-	-	-
4. Organization of healthcare	216	4	-	-	-	-
Certification (final state certification, end-of-year and half-yearly ones)	-	-	-	-	-	-
Total:	7452	138	-	-	-	-