

**MINISTRY OF HEALTHCARE AND SOCIAL DEVELOPMENT OF  
REPUBLIC OF KAZAKHSTAN  
«NATIONAL RESEARCH CARDIAC SURGERY CENTER» JSC  
DEPARTMENT OF EDUCATION**

**«APPROVED»  
Chairperson of the academic council  
\_\_\_\_\_ Pya Y.  
«\_\_\_\_» \_\_\_\_\_ 2015**

**COURSE SCHEDULE  
of retraining, professional development of physicians  
and specialists with secondary medical education  
for 2016**

**ASTANA**

Course schedule of professional development cycles has been agreed and approved at the Academic council meeting of «NRCSC» JSC, chairperson MD Pya Y. \_\_\_\_\_

Protocol N \_\_\_\_\_ dated on « \_\_\_\_ » \_\_\_\_\_ 2015

**Course schedule of retraining and professional development cycles  
of physicians and nurses from regions  
for 2016  
Approval sheet**

<b>Title</b>	<b>Position</b>	<b>Full name</b>	<b>Signature</b>
Approved	Deputy Chairman of the Board	Nurmakhanova G.	
	Deputy Chairman of the Board	Ashirov K.	
	Chief nursing officer	Nadirbekova G.	
	Head of cardiac surgery department	Kuatbayev Y.	
	Head of cardiology department	Jetybayeva S.	
	Head of interventional cardiology and radiology department	Alimbayev S.	
	Head of interventional cardiology department	Aripov M.	
	Head of interventional arrhythmology department	Abdrakhmanov A.	
	Head of radiology and nuclear medicine department	Dautov T.	
	Head of cardiac surgery I department	Lesbekov T.	
	Head of pediatric rehabilitation department	Ivanova-Razumova T.	
	Head of anesthesiology, reanimation and intensive care department	Kapyshev T.	
	Head of pediatric anesthesiology, reanimation and intensive care department	Ibrayev T.	
	Head of operational department with laboratory of mechanical circulation	Kaliyev R.	
	Head of department of education	Yerzhanova R.	
Preparer	Chief specialist of department of education	Mukhamediyeva S.	

### **The list of required documents for participants:**

1. Order extract (on sending for training);
2. Contract in 3 copies (if training is on a paid basis);
3. Voucher/pass (if training is state-subsidized);
4. Identity card copy;
5. Diploma copy;
6. Copy of the specialist certificate;
7. Copy of the certificate of internship completion;
8. Copy of the professional development certificate received in the last 5 years;
9. Health record book (fluoro, complete ELISA, HIV, HBV vaccination, Td)
10. Changeable shoes.

#### **Submit application for a training:**

- via e-mail: [nnkc.astana@mail.ru](mailto:nnkc.astana@mail.ru)
- by fax: +7 7172 703132

Address: 010000 Kazakhstan, Astana, 38 Turan ave.

How to find us: by bus 40, 50, 51, 55, 60, 61

Bus stop – Cardiac surgery

All the details can be obtained in department of education of «NRCSC» JSC

Contact telephones: +7 (7172) 703132, +7 (7172) 703073

Contact person: chief specialist of department of education Sholpan Mukhamediyeva  
mob. +7 7022921955

- Trainings are provided on state-subsidized and contractual basis
- Accommodation is not provided

### Professional development cycles

#	Theme	Trainees, for whom the course is designed	Total amount hours/ weeks	Time frame
<b>Cardiology, including interventional cardiology</b>				
1	Pulmonary hypertension (Curator – Mukarov M.)	cardiologists, cardiac surgeons, physicians, general practitioners, pulmonologists, pediatricians	54/1	March June
3	Topical questions of heart transplantation (Curator – Jetybayeva S.)	cardiologists, cardiac surgeons, intensivists	108/2	April October
4	Selection criteria for patients with CHF on surgical treatment with LVAD implantation and postoperative management (Curator – Salov R.)	LVAD coordinators and their stand-ins in regions	108/2	May November
5	Criteria of CHD diagnostics in children, management of patients with CHD (Curator – Ivanova-Razumova T.)	pediatric cardiologists, neonatologists, pediatricians, general practitioners	108/2	April September
6	The study of intracardiac dynamics (Curator – Aripov M.)	interventional cardiologists	54/1	May November
7	Topical questions of arrhythmology (Curator - Abdrakhmanov A.)	arrhythmologists, cardiologists, physicians, general practitioners	108/2	November
8	Selection and postoperative management of patients with irregular heart rhythm (Curator - Abdrakhmanov A.)	cardiologists, physicians, general practitioners	108/2	April June September October
9	School-seminar on clinical electrophysiology and interventional arrhythmology (Curator - Abdrakhmanov A.)	arrhythmologists, interventional cardiologists	5 days (40 hrs.)	12-16 September
10	Seminar «Temporary pacing in medical emergency»	resuscitators, cardioanesthesiologists, cardiologists, including interventional cardiologists, cardiac surgeons	2 days (18 hrs.)	June
11	Courses on implanted devices (cardiostimulator, implantable cardioverter defibrillator, cardiac resynchronization therapy)	arrhythmologists, cardiologists, including interventional cardiologists, cardiac surgeons	54/1	June October
<b>Cardiac surgery</b>				
12	Myocardial revascularization on a beating heart (Curator – Lesbekov T.)	cardiac surgeons, intensivists	54/1	April October
13	Mitral valve reconstruction (Curator – Kuatbayev Y.)	cardiac surgeons	54/1	June November
14	School on atrial fibrillation (Curator - Lesbekov T.)	cardiac surgeons, cardiologists, arrhythmologists, rheumatologists, general practitioners, physicians	May	April June

15	Cardiosurgical aspects of cardiologist's work (Curator – Ydyrysheva A.)	cardiologists, cardiac surgeons	108/2	June October
<b>Perfusiology</b>				
16	Extracorporeal membrane oxygenation (ECMO) (Curator – Kaliyev R.)	cardiac surgeons, perfusionists, anesthesiologists	162/3	April September
<b>Anesthesiology and intensive care</b>				
17	Invasive monitoring of central hemodynamics in cardiac surgery patients (Curator – Kapyshev T.)	intensivists, cardiac surgeons	54/1	June September
18	Anesthesiology and intensive care in cardiac surgery (adult) (Curator - Kapyshev T.)	intensivists	162/3	May October
19	Extracorporeal haemocorrection in intensive care and in clinic of internal diseases (Curator – Bekishev B.)	doctors of ICU, toxicology, ambulance and nephrology	162/3	April September
20	School on delirium (Curator – Kapyshev T.)	intensivists	8 hrs	every month
<b>Radiology</b>				
21	Topical questions of CT and MRI (Curator – Dautov T.)	CT and MRI doctors, radiologists	216/4	04-29 April, 03-28 October
<b>Functional diagnostics</b>				
22	Echocardiography (Curator – Abikeyeva L.)	cardiologists (who master echocardiography), ultrasonic and functional diagnostics doctors	54/1	30 May-03 June 19-23 September
<b>Nursing</b>				
1	Rehabilitation and postoperative management of patients with implanted LVAD (Curator – Zhambylov A.)	nurses of cardiology and cardiac surgery profiles	54/1	June November
2	Care of patients on ECMO (Curator – Aubakirova L.)	nurses of cardiology and cardiac surgery profiles	54/1	April September
3	Nursing in cardiac surgery (Curator – Uspanova G.)	nurses of cardiology and cardiac surgery profiles	108/2	April October
4	Care of patients with chronic heart failure in the period of treatment and rehabilitation (Curator – Ryspekova A.)	nurses of cardiology and cardiac surgery profiles	54/1	March September
5	Nursing in radiology (Curator – Ayapbergenova G.)	nurses	108/2	April September
6	Nursing in operating room and perfusiology (Curator – Ospanova A.)	nurses	108/2	April November
<b>Retraining</b>				
1	Perfusiology		864/16	April
<b>Training in the workplace</b>				
1	Training of specialists of therapeutic profile		36/1	During the year
2	Training of specialists of surgical profile		36/1	During the

			year
3	Training of specialists of radiological and functional diagnostics	36/1	During the year
4	Training of specialists with secondary medical education on therapeutic profile	36/1	During the year
5	Training of specialists with secondary medical education on surgical profile	36/1	During the year
6	Training of specialists with secondary medical education on radiological and functional diagnostics	36/1	During the year

**Note: Additions and changes to the schedule will be made upon receipt of applications from medical organizations and Healthcare departments of Republic of Kazakhstan.**

**Contact telephones: +7 (7172) 70-31-32, mob. +7 7022921955**

**e-mail: [nnkc.astana@mail.ru](mailto:nnkc.astana@mail.ru)**

**Contact person: chief specialist of department of education Sholpan Mukhamediyeva**