**Indications for referral for treatment to the Irpin branch of the State Institution "Ukrainian Health Ministry Heart Institute":**

**1. Early cardiac rehabilitation for 7-10 days after:**

1.1 reconstructive surgery on the heart valves.

1.2 heart valve prosthesis surgery.

1.3 surgical treatment of coronary heart disease (endovascular interventions on the heart and main vessels, coronary artery bypass grafting).

1.4 surgical treatment of cardiac arrhythmias (catheter ablation of additional conduction pathways, electropulse treatment, artificial pacemaker, etc.).

1.5 surgical removal of heart tumors.

1.6 surgical correction of congenital heart defects in adults.

1.7 operations on the pericardium;

1.8 operations on the aorta and main vessels.

1.9 surgical treatment of myocardial pathology.

1.10 surgical treatment of infectious endocarditis.

**2. Preoperative preparation of patients:**

2.1 treatment of circulatory failure I-IIB degree.

2.2 treatment of hypertension I-III degree.

2.3 treatment of exacerbation of chronic rheumatic heart disease.

2.4 treatment of angina I-III functional class.

2.5 treatment of erosions and ulcers of the gastrointestinal tract.

2.6 treatment of obstructive pulmonary disease with respiratory failure of I-II degree.

2.7 treatment of hepatic failure of the I degree.

2.8 treatment of renal failure of the I degree.

3. **Treatment of patients with diseases of the cardiovascular system** (coronary heart disease, hypertension, heart disease, myocardial pathology, etc.) and concomitant pathology in order to **determine the indications for further surgery.**

**Contraindications for referral for treatment to the Irpin branch of the State Institution "Heart Institute of the Ministry of Health of Ukraine"**

**1. *General contraindications***

1.1. Tuberculosis of the respiratory organs, or other organs in the active phase.

1.2. Skin and venereal diseases in the acute stage.

1.3. Severe mental disorders during active treatment, chronic severe mental disorders that require third-party care.

1.4. Acute infectious diseases before the end of the isolation period.

1.5. Epilepsy with generalized epileptic seizures.

1.6. Addiction to psychotropic, narcotic substances and alcohol in the active phase.

1.7. Diseases of the hematopoietic organs in the acute stage.

1.8. Malignant neoplasms are untreated or during special treatment and not less than 3 months after its completion, provided there is no recurrence of cancer and decompensated comorbidities.

1.9. Cachexia of various origins.

1.10. Thyrotoxicosis in the stage of decompensation.

1.11. Bronchial asthma (above the first degree).

1.12. Decompensated diabetes mellitus or labile course with frequent hypoglycemia and / or ketoacytosis.

1.13. Acute and chronic mental disorders.

1.14. Renal failure is above I degree.

1.15. Hepatic failure is above I degree.

1.16. All forms of addiction.

1.17. Chronic alcoholism.

1.18. Other chronic diseases in which patients are unable to move and care for themselves and require constant special care.

1.19. Pregnancy after the 28th week.

**2. Additional cardiovascular contraindications:**

2.1. Myocardial infarction in the acute stage (without cardiac surgery).

2.2. Acute cerebrovascular accident in the acute or subacute stage.

2.3. Chronic heart failure stage III (functional class IV according to the NYHA classification).

2.4. Acute pericarditis.

2.5. Functional angina IV.

2.6. Severe cardiac arrhythmias and conduction (ventricular fibrillation, paroxysmal ventricular tachycardia, complete atrioventricular block).

2.7. Recurrent thromboembolic complications.

2.8. Gastrointestinal and pulmonary hemorrhage.