

Practical skills in pathological anatomy-2

MODULE: CARDIOVASCULAR SYSTEM

Topic №3 «Chronic heart insufficiency, pathomorphological manifestations, outcomes, complications, causes of death. The syndrome of acute circulatory insufficiency. Peculiarity in children»

Prepared by:
d.m.s. Shabdarbayeva D.M.

The purpose

- Secure the knowledge of the mechanism of formation of acute and chronic heart insufficiency, peculiarity in children

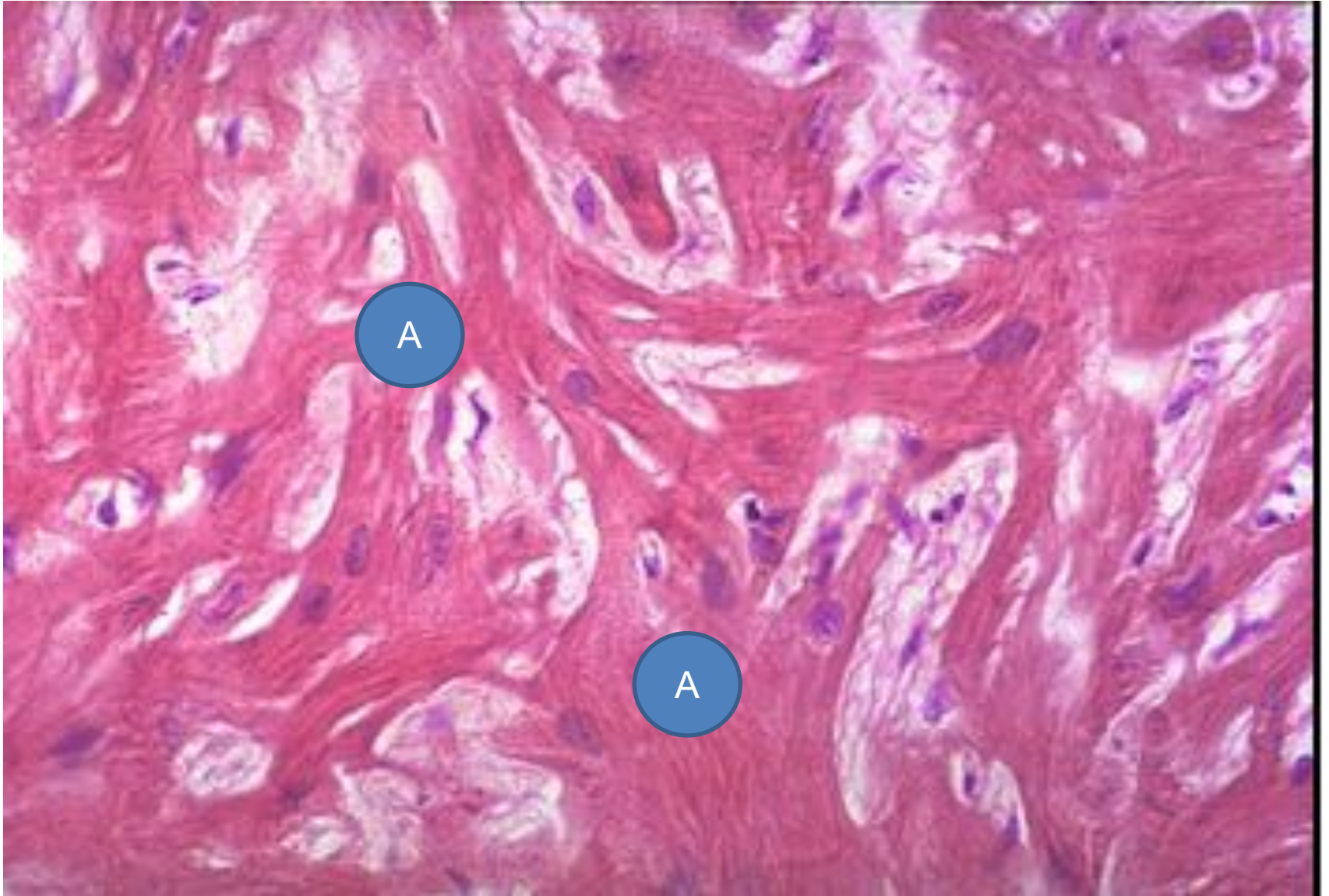
Learning objectives:

- **The student should know:**
- morphological characteristics of syndromes of acute and chronic heart insufficiency
- **The student should be able to:**
- be able to explain the mechanism of acute and chronic heart insufficiency
- interpret the macro- and microscopic picture of the changes in the heart and blood vessels during the syndrome of acute and chronic heart insufficiency

Hypertrophic cardiomyopathy



Hypertrophic cardiomyopathy

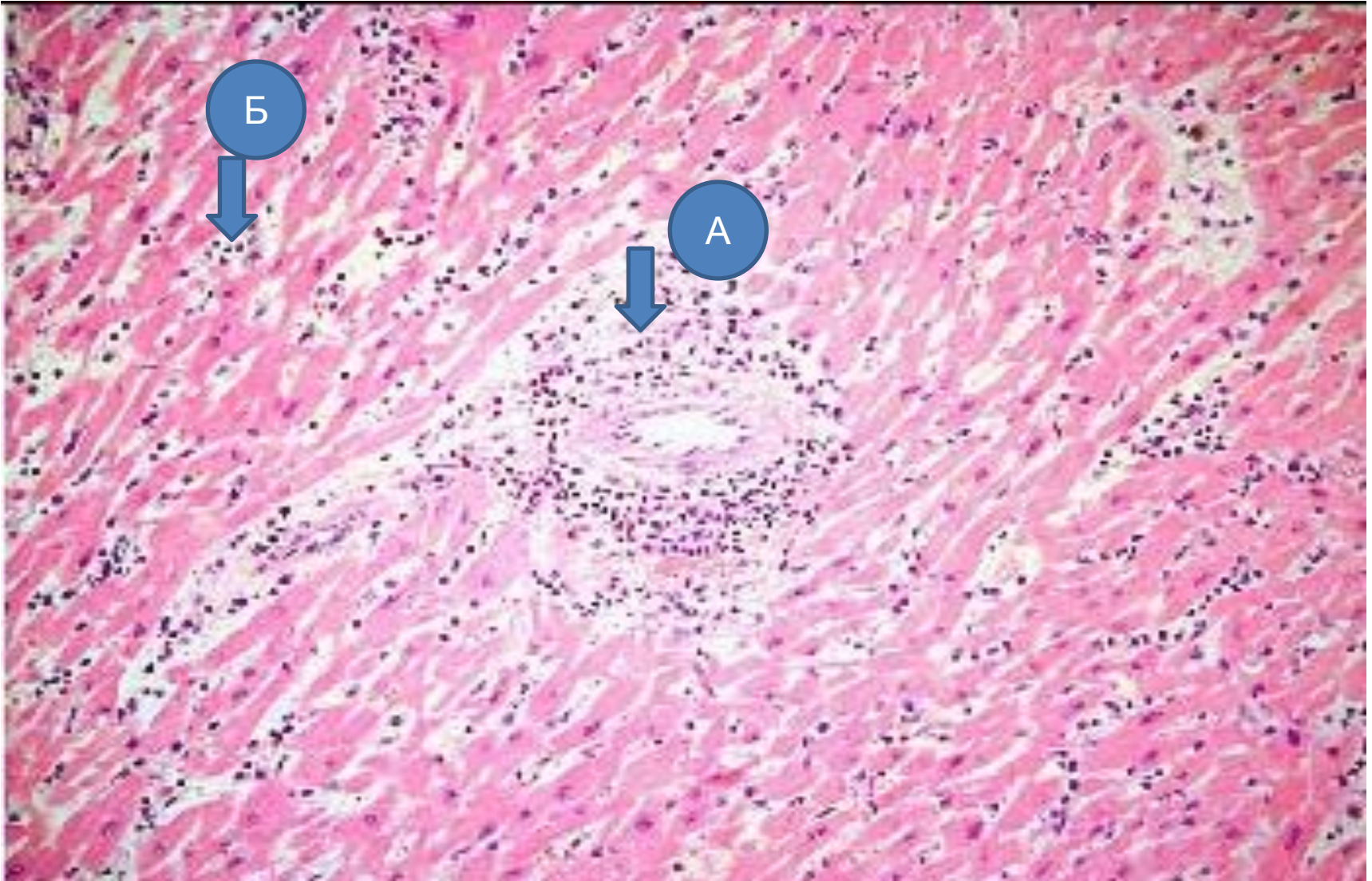


- A. Hypertrophy of cardiomyocytes

Myocarditis

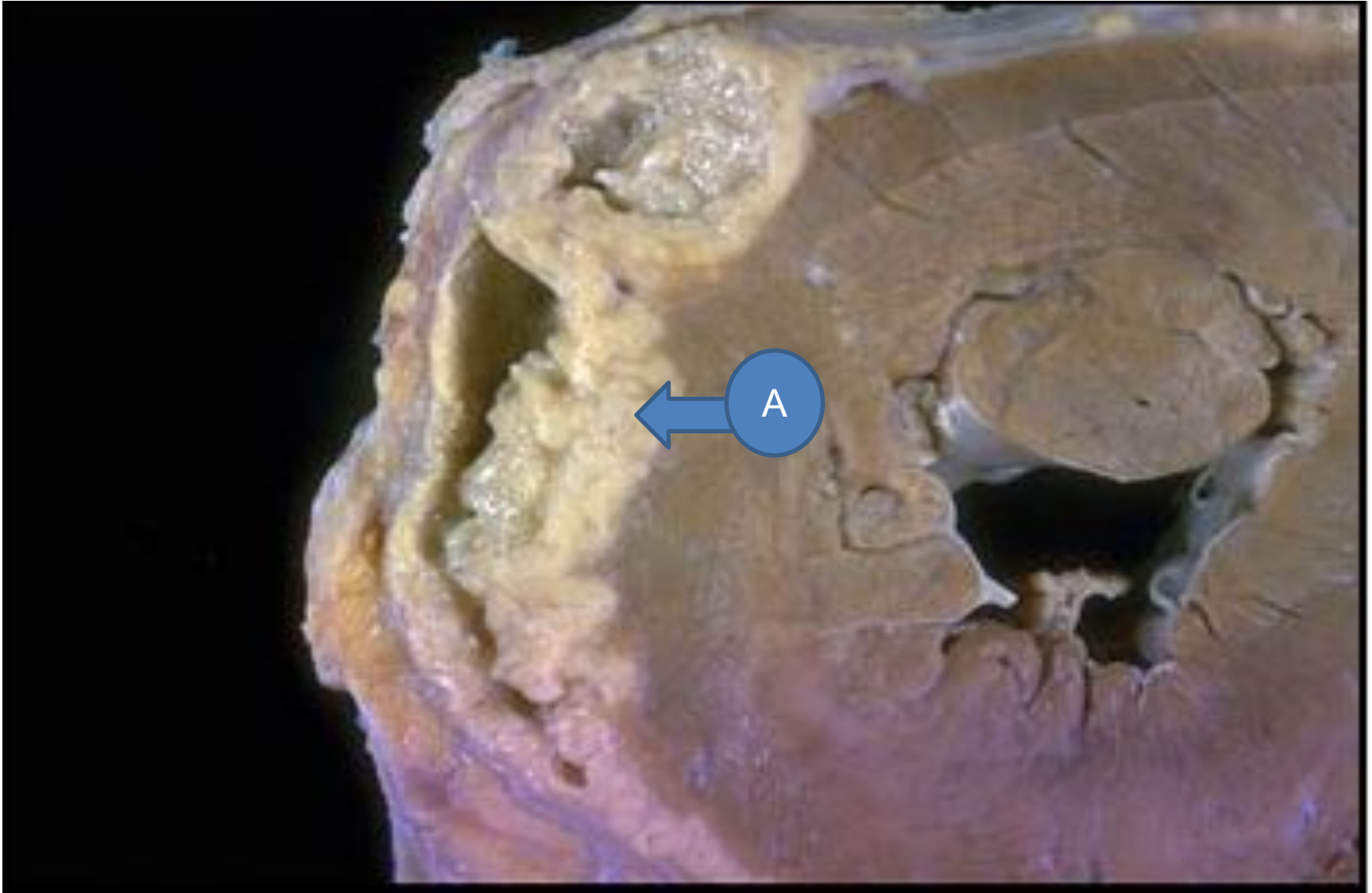


Myocarditis



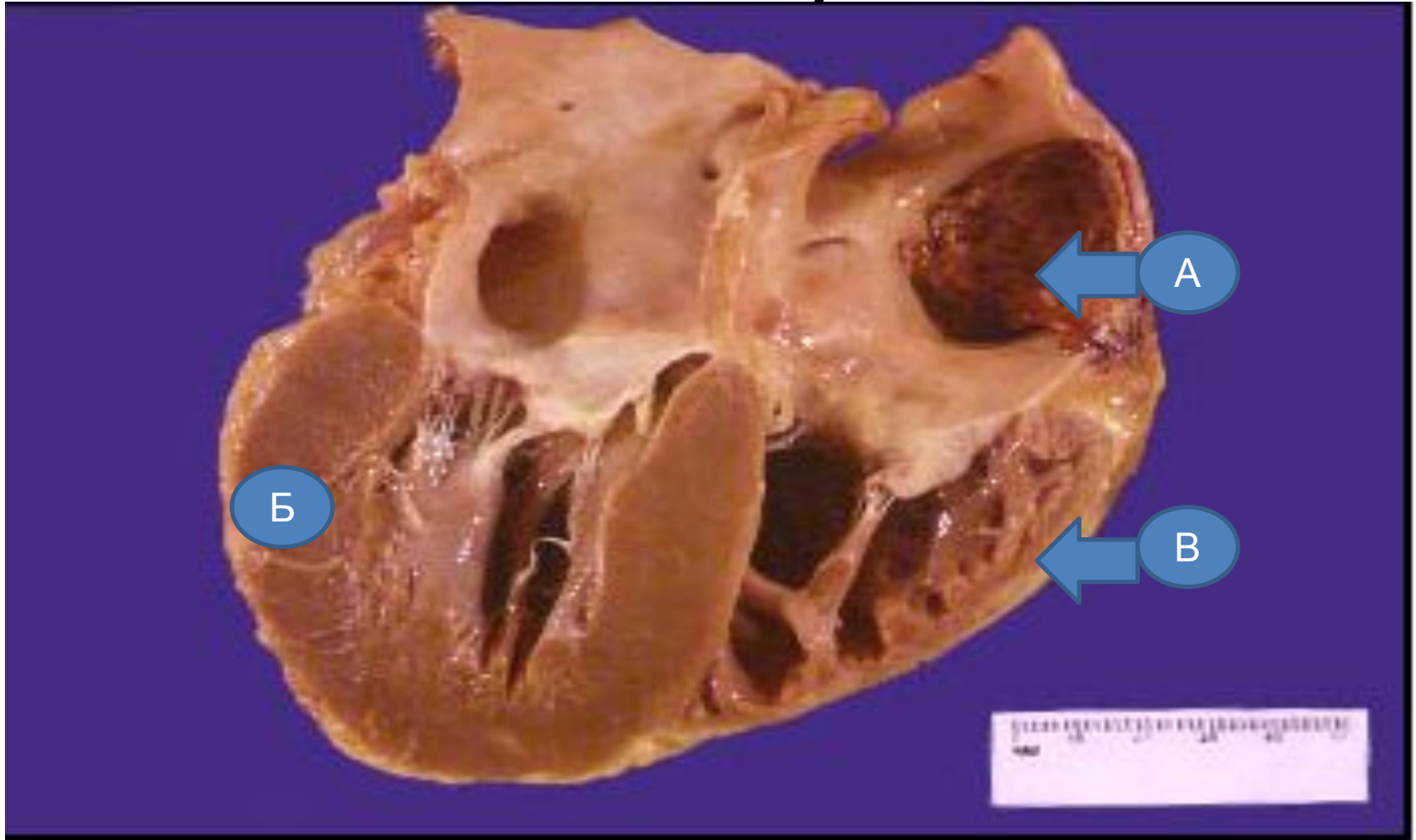
- A. Perivascular lymphocytic inflammatory infiltrate
- Б. Interstitial cells

Pericarditis



- A. Granulomatous pericarditis

Heart, amyloidosis



- A. Thrombosis of the right atrium
- B. The left ventricle
- B. Right ventricle