

Cardiovascular system

Assist. Prof. Enas Sheet

Lecturer Dr. Sanaria Hanna

Lecturer Aseel Mohammed

Lecturer Entisar Khazal

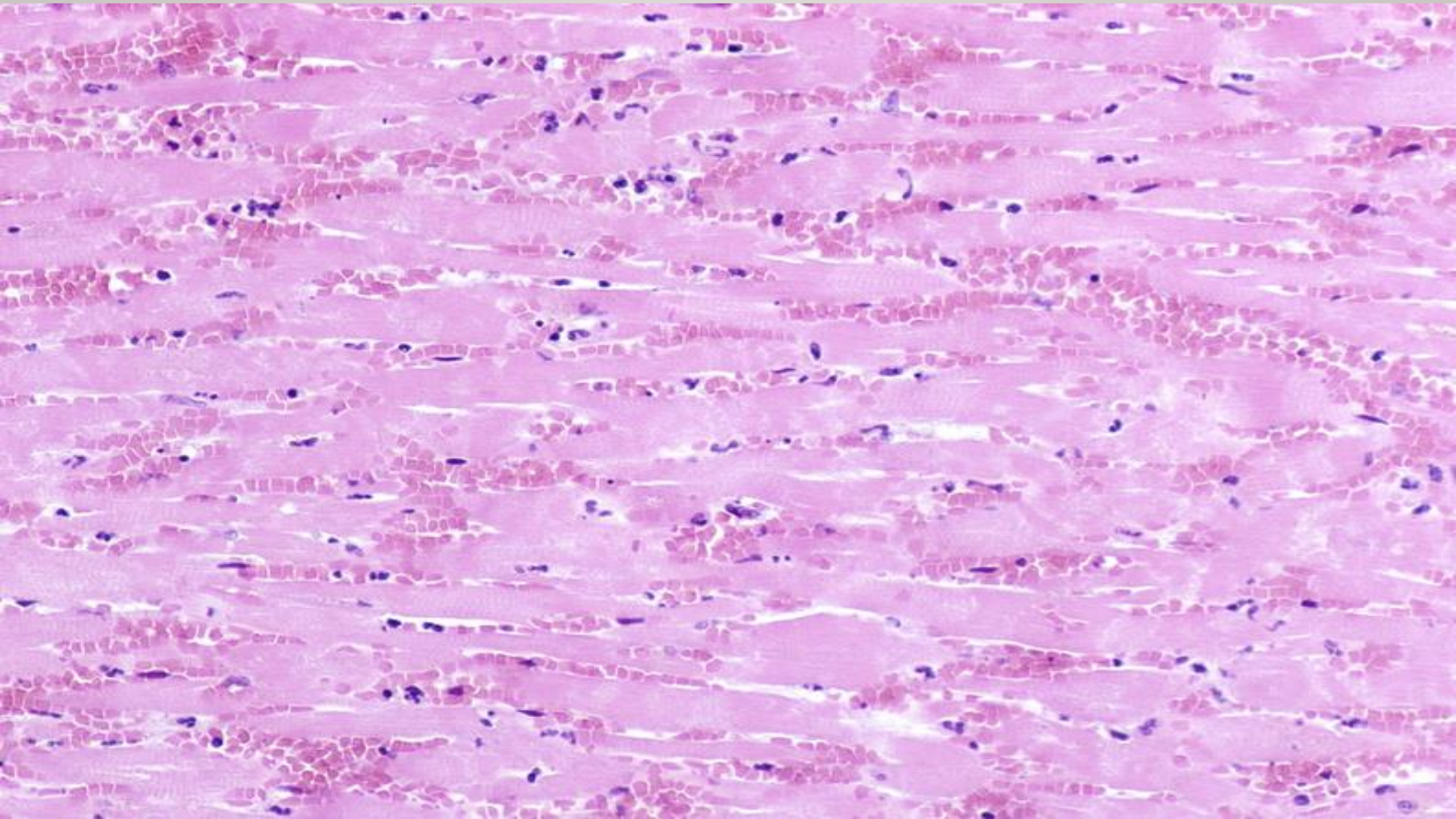
Assist. Lecturer Atheer Nabeel

Diagnosis: Myocardial infarction

Organ: Heart

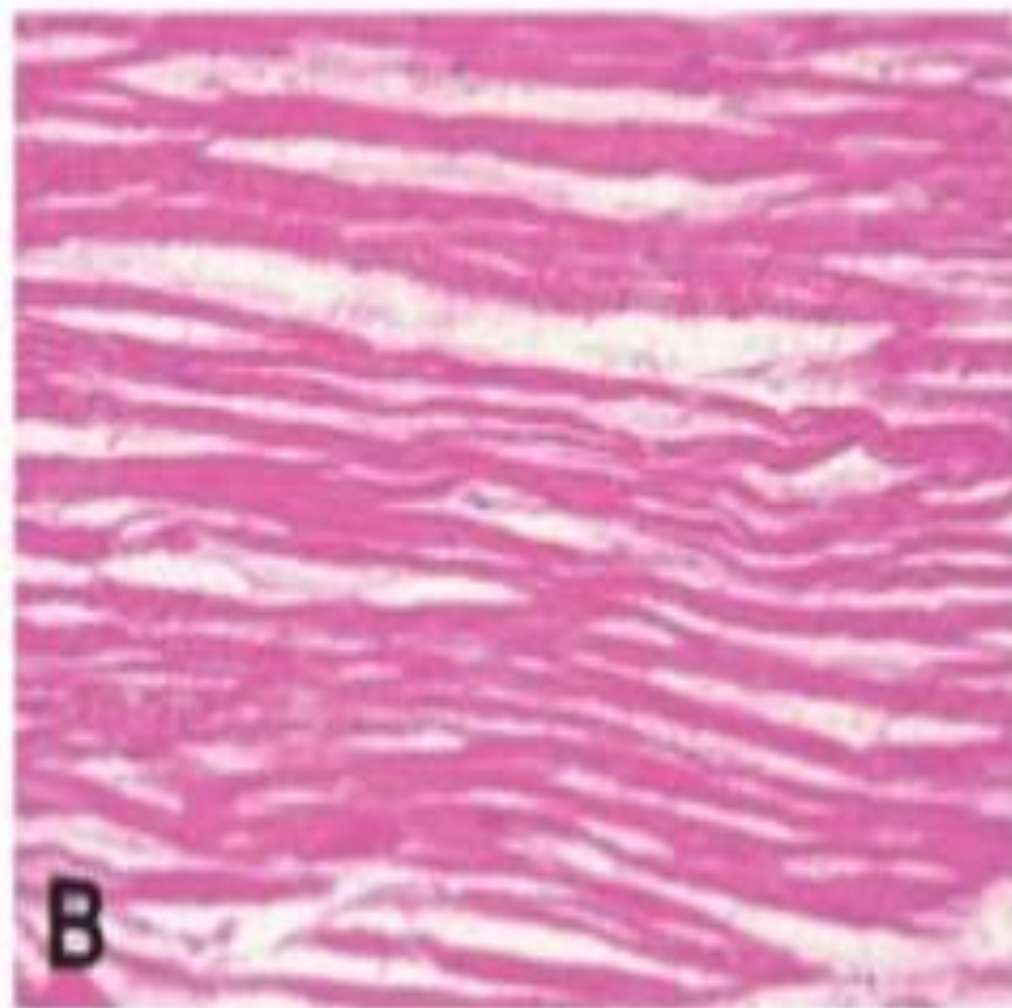
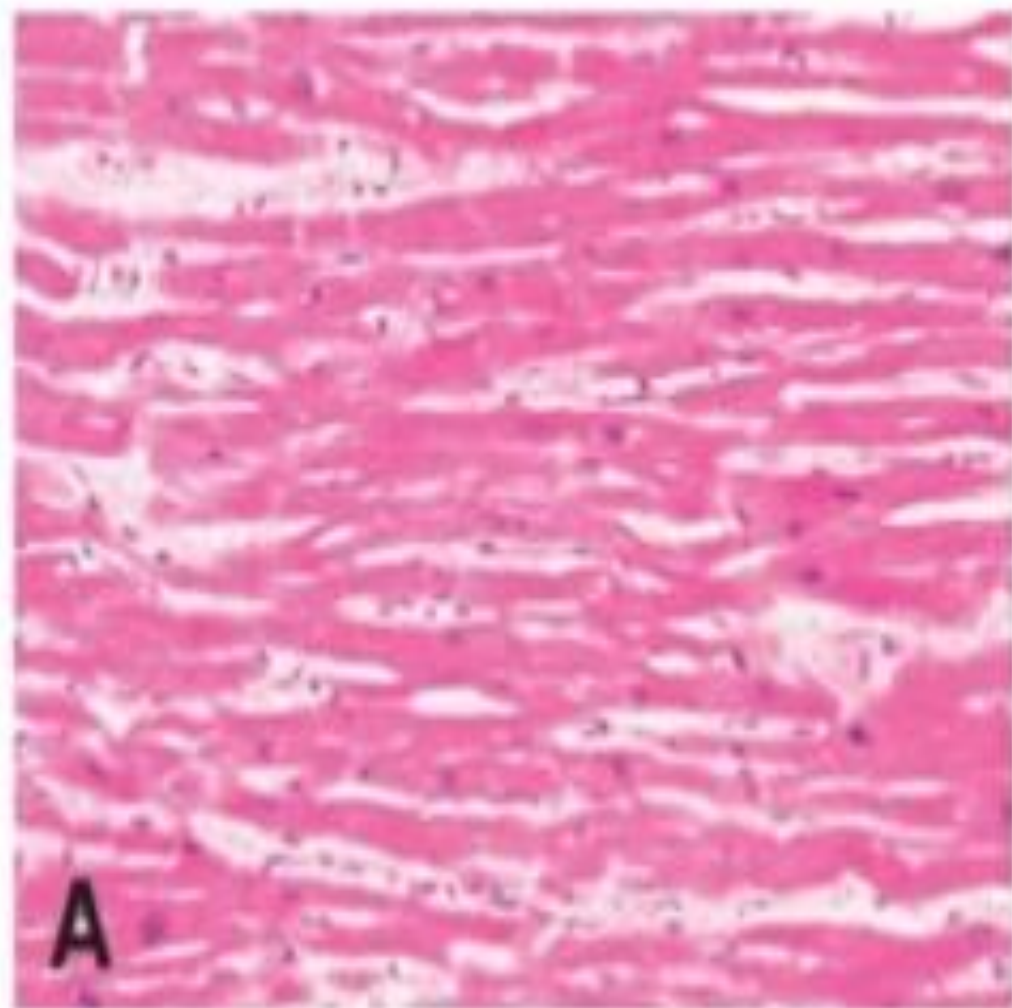
Lesion:

1. Coagulative necrosis in myocardial cells and appear as cooked egg .
2. There is hemorrhage in the myocardial tissue.
3. The cytoplasm of necrotic cells become more eosinophilic and most have lost their nuclei.



A. Normal heart. All myocytes are nucleated, and striations are clear.

B. Myocardial infarction. The heart from a patient following acute myocardial infarction. The necrotic cells are deeply eosinophilic and most have lost their nuclei.



Diagnosis: Adhesive fibrinous pericarditis

Organ: Heart

Lesion:

1. Thickening of pericardium due to fibrinous exudate as network of thin threads and polymorphonuclear inflammatory cells and patches represent the bacterial colonies.
2. Organization of pericardium represented by proliferation of fibroblast and angioblast which causes adhesion of pericardium to myocardium.
3. Atrophy and edema of myocardium.

