## Cardiovascular system

Normal histologic structure of the heart

Pericardium ....visceral -parietal

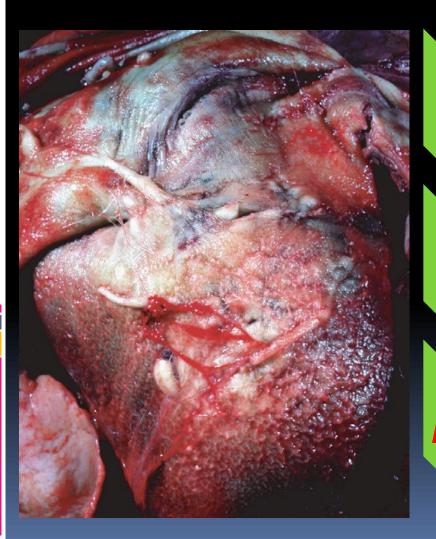
**Epicardium** 

Myocardium cardiac muscles.

**Endocardium** 



## Pericarditis



**Early** 

Serous •

Later

Fibrinous •

Finaly

Fibrino-purulent •

## Organized fibrinous

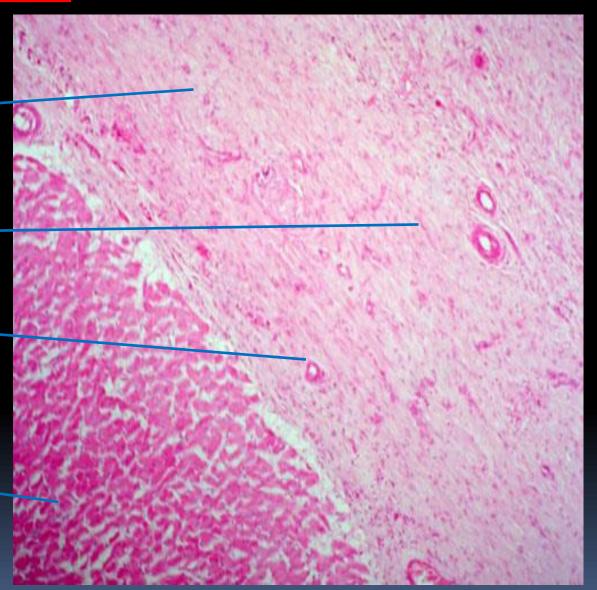
pericarditis :

Collagen 🕳

**Fibrocytes** 

Newly formed blood vessles

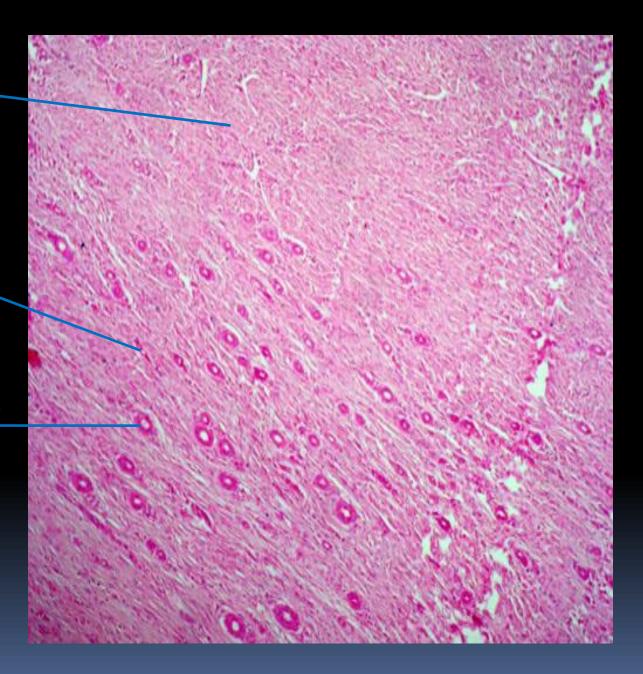
<u>Degeneration</u> & necrosis of myocardium



<u>Collagen</u>

**Fibrocytes** 

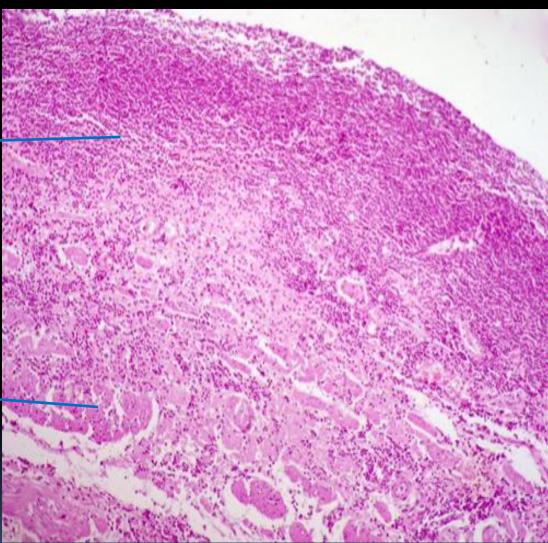
Newly formed blood vessles



## Fibrinopurulent pericarditis:

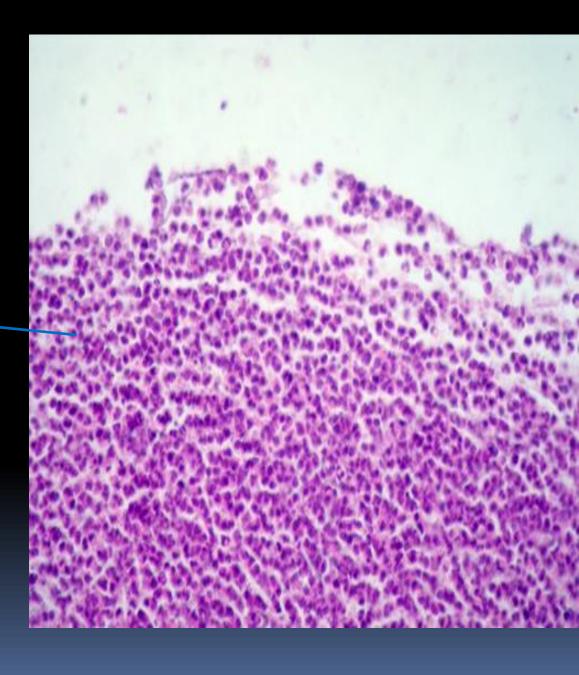
Fibrin network infilterated witk neutrophils

Degeneration & necrosis of heart muscle

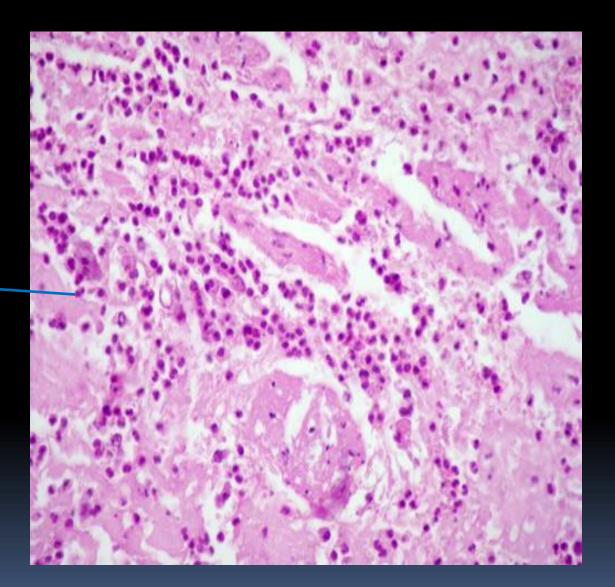


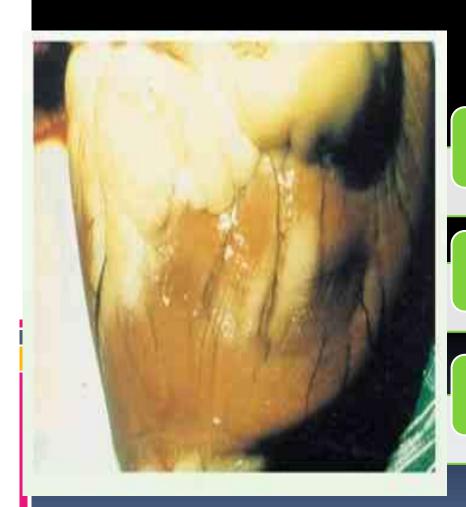
Fibrin network infilterated with dead cells of neutrophils

(Pus cells)



<u>Degeneration &</u> <u>necrosis of heart</u> <u>muscle</u>





Interstitial Myo...carditis

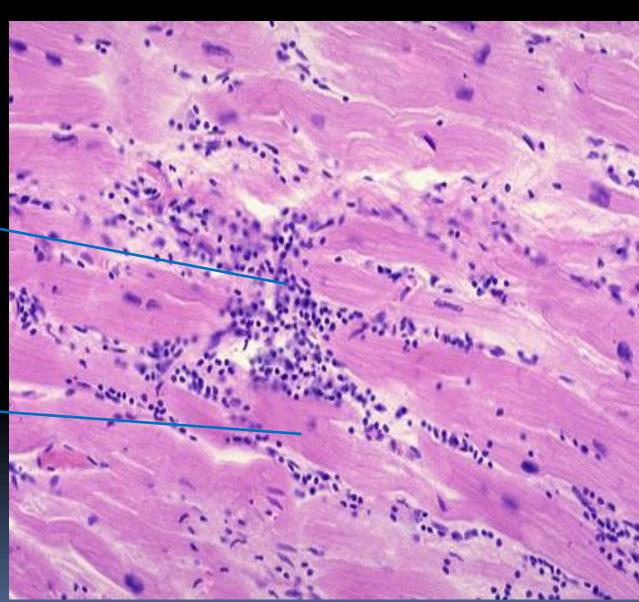
Non suppurative myocarditis

Lymphocytic Myocarditis

•Interstitial
myocarditis:

Infilteration with inf. Cells (,lymphocytes)

Degeneration & necrosis of myocardium



+ interstitial my o Carditis in Piltrated by degenerative changes at Cordina lymphoey tes muscles Normal, \* organized Abrillous pen and his Newly bermed blood vessels. organized -Clagorous Cibers a Collagan). degeneration and wearosis = of myolardium 5 en fragementation and Joss of cross Striahons of the Cardino muscles Abers.