

# ***Rheumatic illnesses***



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# Rheumatic illnesses

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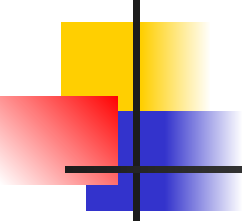
- - *are the group of diseases in basis of development of which is the progressive system disorganization of connecting tissue and vessels, which is predefined by immune violations .*



# Classification of rheumatic illnesses

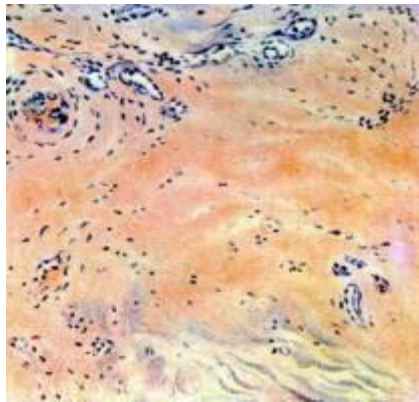
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- rheumatism;
- rheumatoid arthritis (RA);
- lupus erythematosus (LE);
- systemic scleroderma (SS);
- nodular periarteritis (NPA) and other systemic vasculites;
- dermatomyositis;
- illness (syndrome) of Sjogren;
- illness of Bechterew (spondylitis deformans).

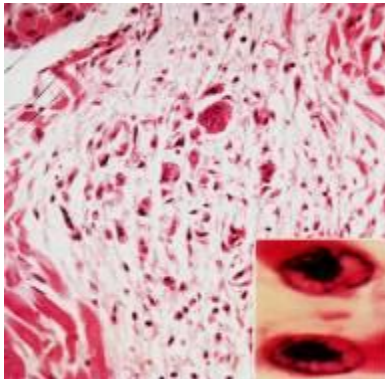
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- **All rheumatic illnesses are combined by the systemic progressive damage of connecting tissue,** which is characterized by *stages* and includes 4 types of changes:

# Stages of disorganization of connecting tissue

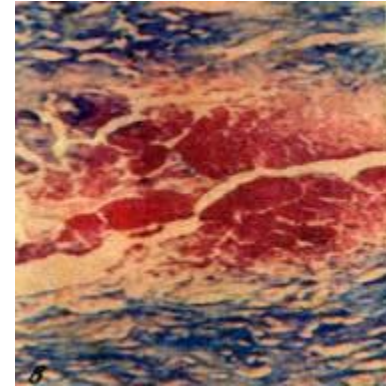
Muroid swelling



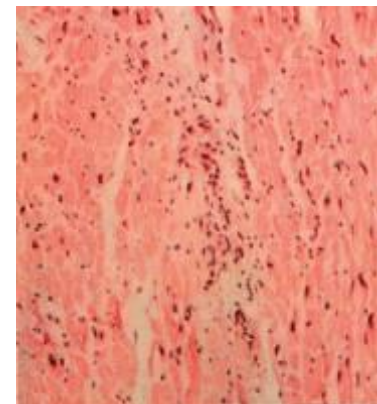
Cellular reactions  
(granulomatous inflammation)



Fibrous changes



Sclerosis





# **Rheumatism**

**(Sokolsky-Bouillaud disease)**

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***is the infectious-allergic disease which is characterized by system disorganization of connecting tissue with the dominant defeat of the heart-vessels system.***

***An exciter is the  $\beta$ -haemolytic streptococcus of group A. 1-3 % of peoples which had streptococci quinsies will be ill by rheumatism. This mean that is the inclination coupled with X-chromosome.***

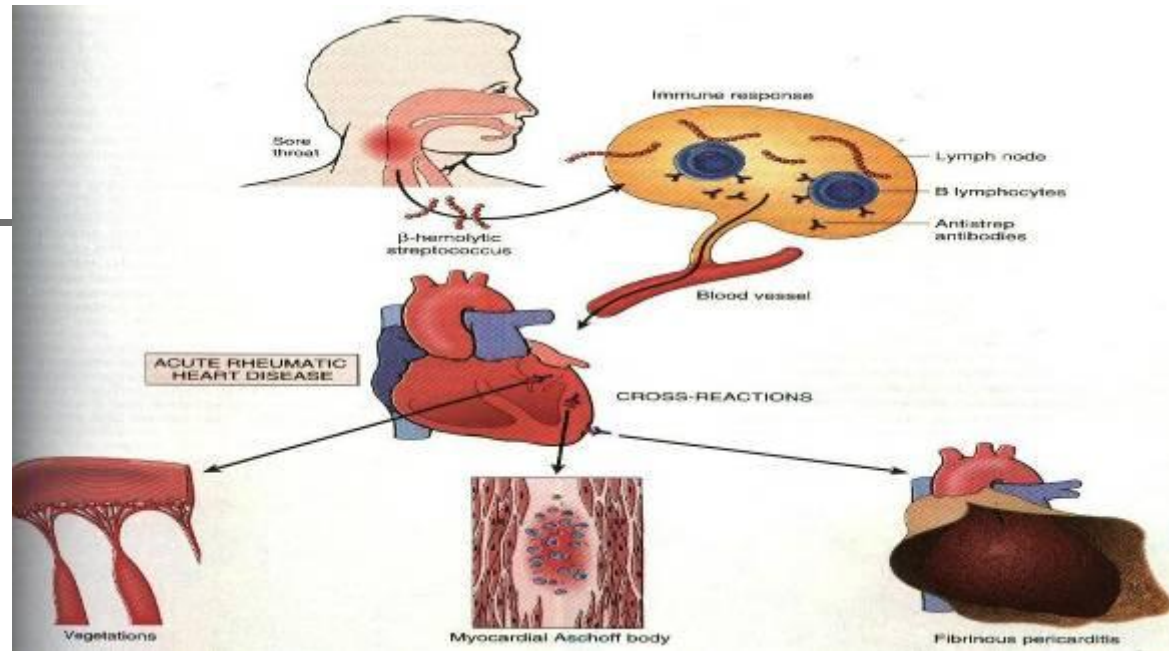
# Clinico-morphologic forms of rheumatism



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- cardiovascular;
- polyarthritic;
- nodular;
- cerebral.

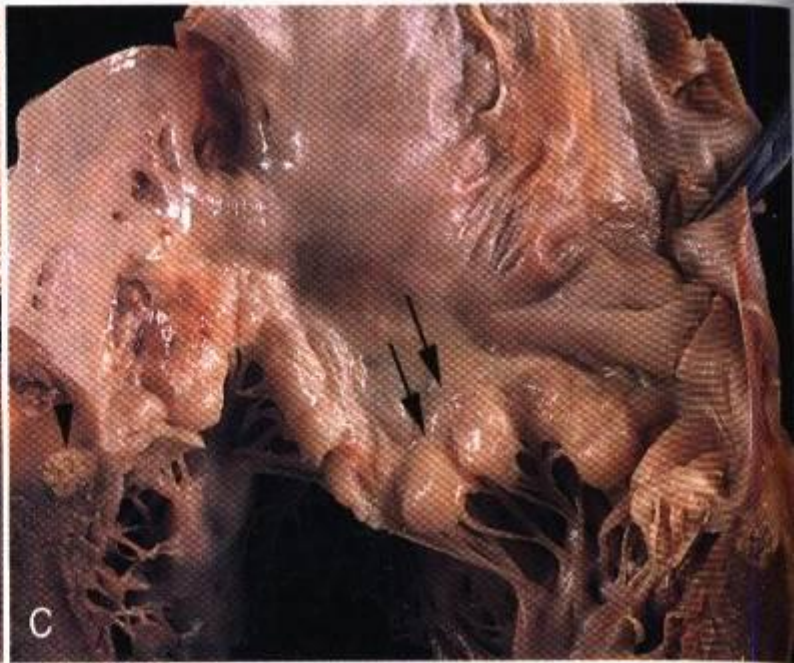
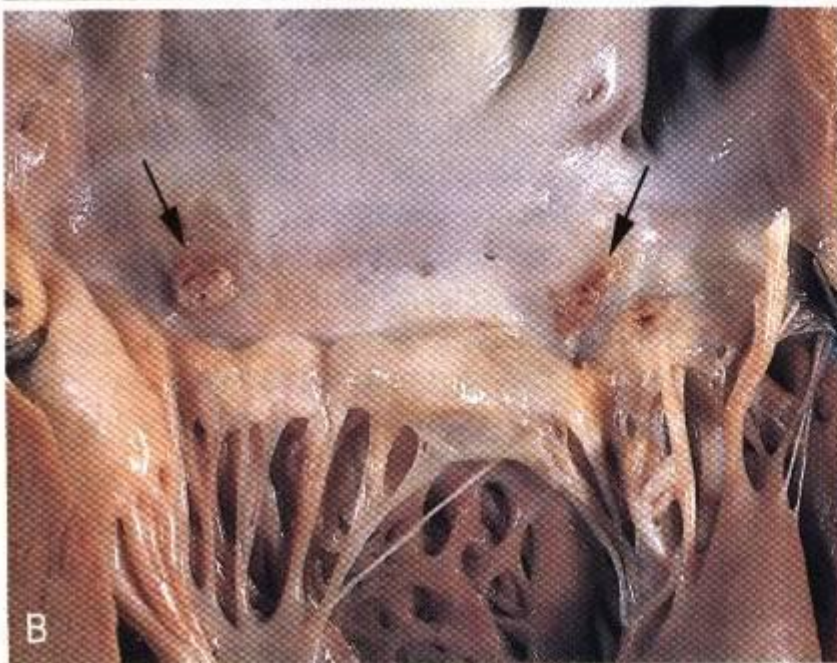
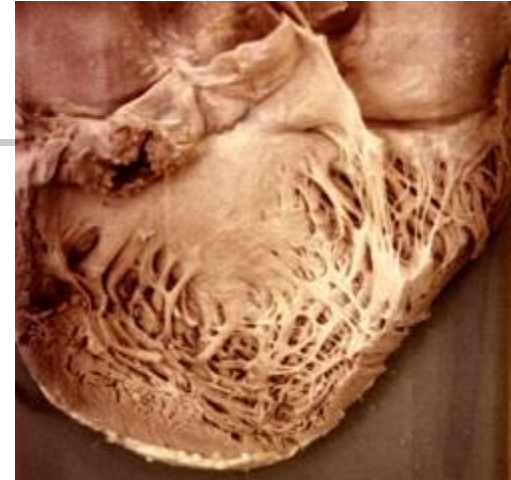
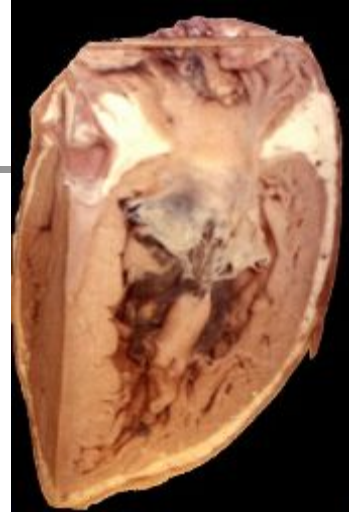
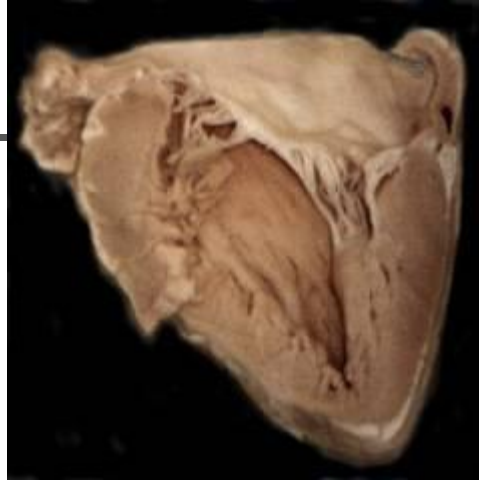
# Cardiovascular form of rheumatism



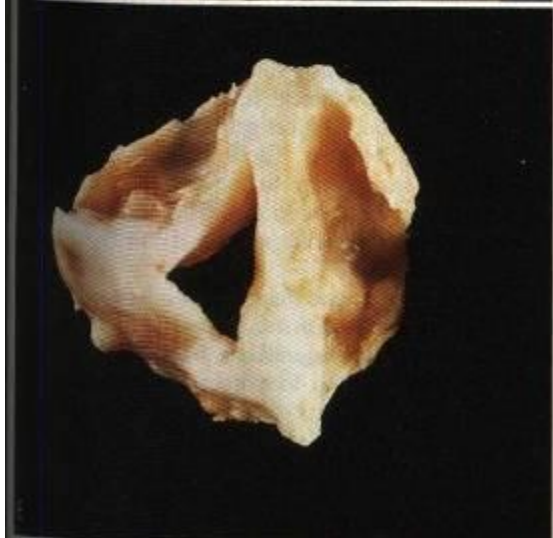
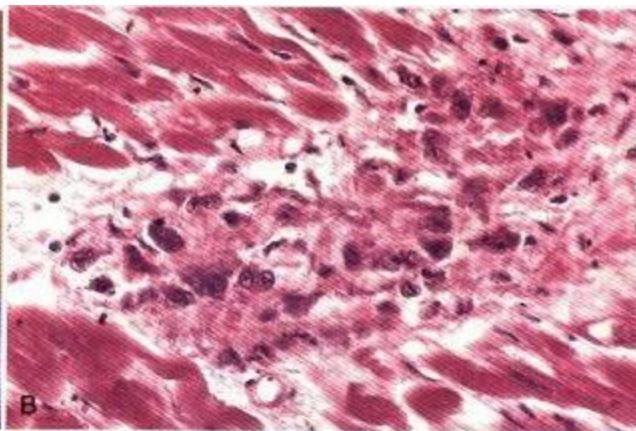
- **Endocarditis:** *valvular, chordal, atriparietal; acute diffuse, acute warty, fibroplastic, relapsing warty*
- **Myocarditis:** *granulomatic (nodular productive), diffuse interstitial exudative, focal interstitial exudative.*
- **Pericarditis:** *serous, serofibrinous, fibrinous.*
- **Vasculitis:** *capillaritis, arteriolaritis, arteritis.*



# Endocarditis

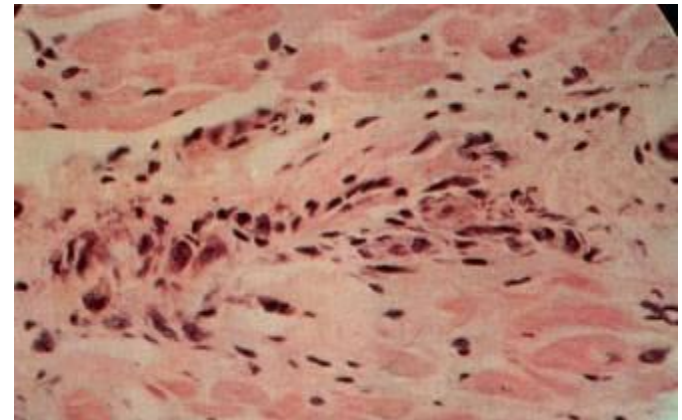
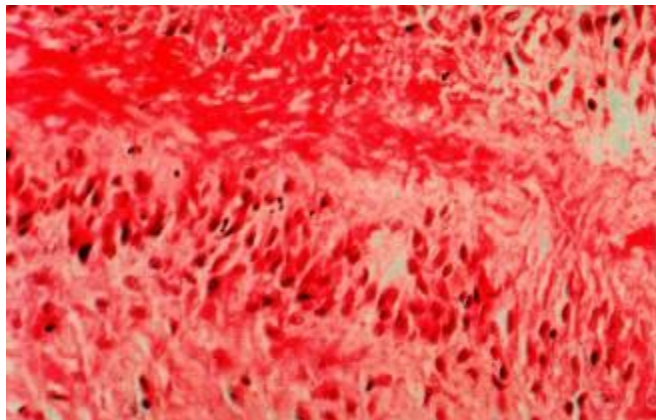
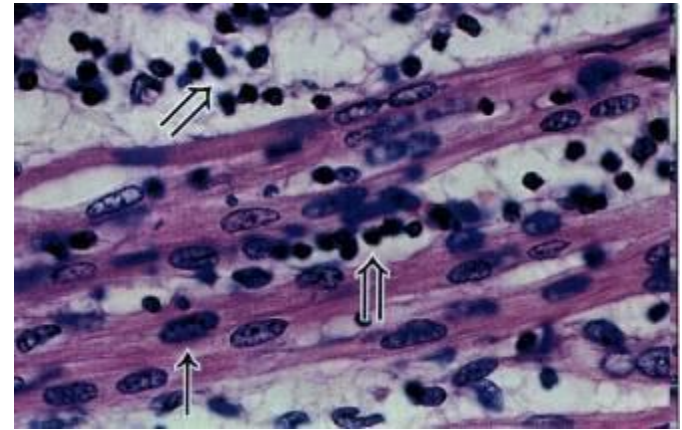
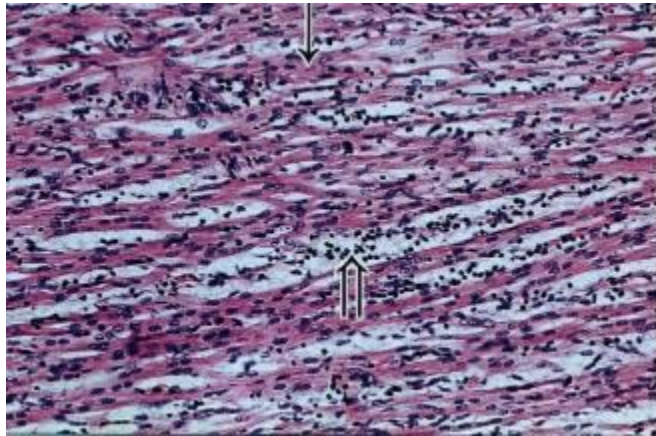






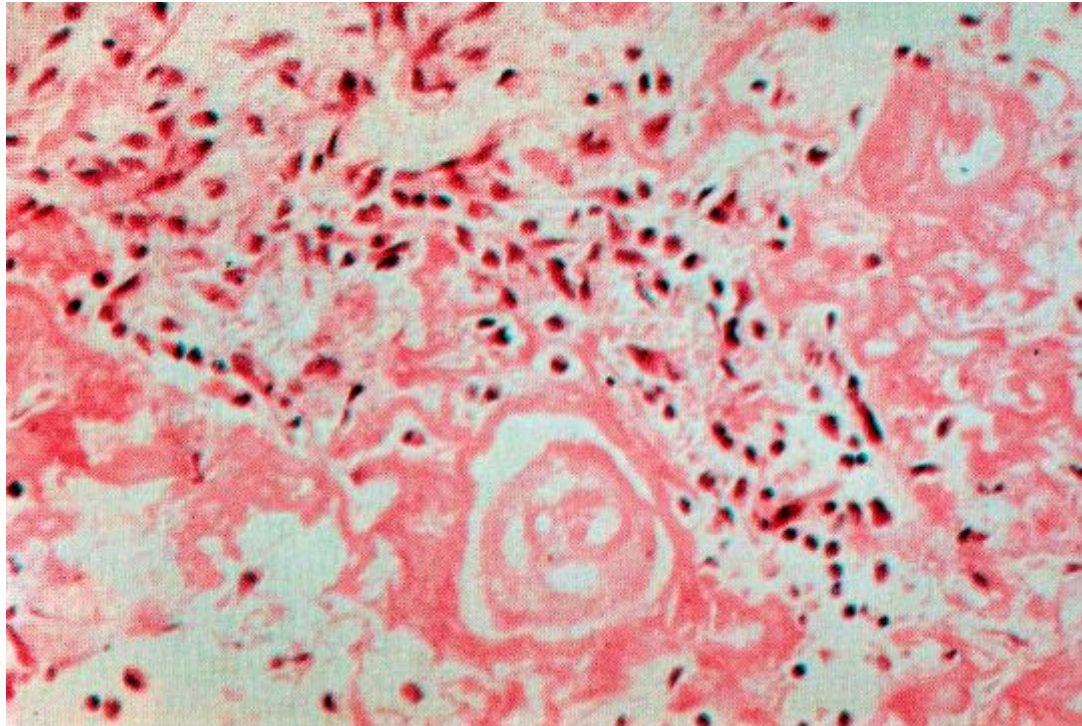
- The heart tends to dilate
- Acute and chronic valvulitis
- Mural thrombi

# Myocarditis





# Pericarditis

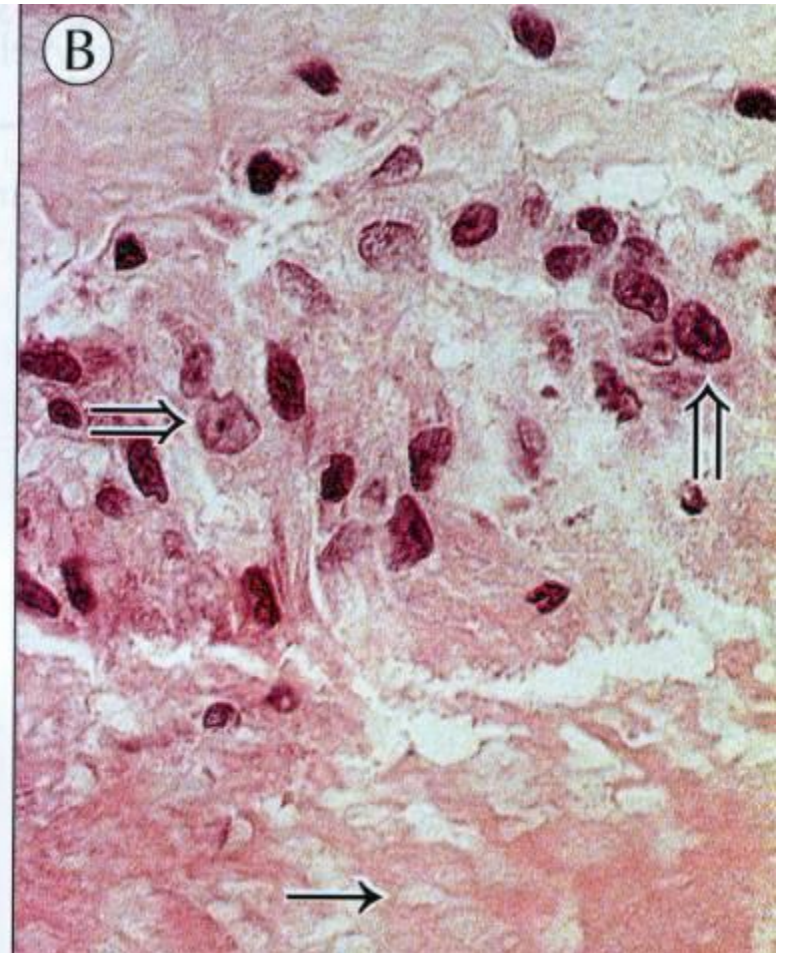
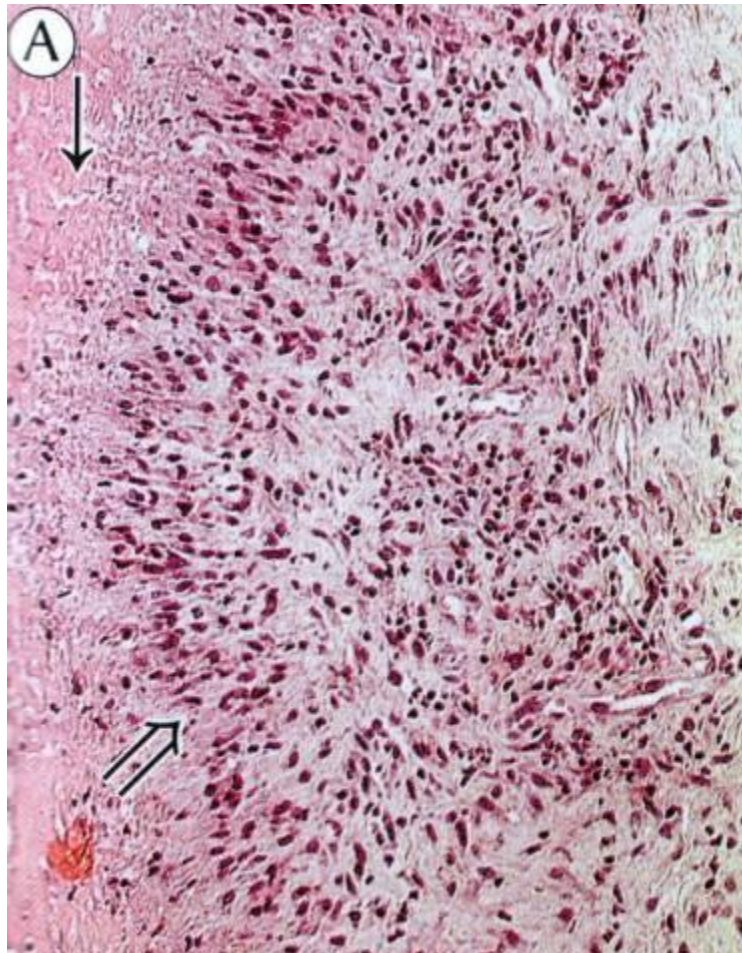


# Polyarthritic form of rheumatism

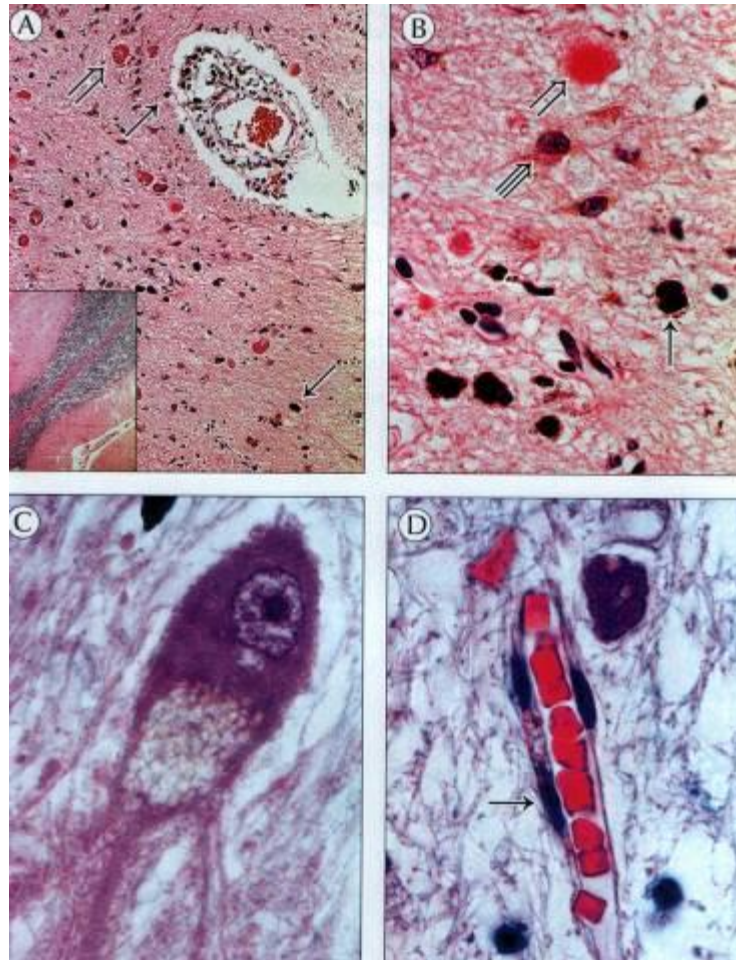




# Nodular form of rheumatism



# Cerebral form of rheumatism



# System lupus erythematosus



- *Lupus erythematosus (LE) is chronic polysyndrome disease mostly of young women and girls, which develops on a background the genetic predefined imperfection of immunoregulatory processes. It results to the uncontrolled productions of antibodies to own tissues and their components with development of autoimmune and immunocomplex chronic inflammation.*
- *Morbidity by LE makes 48-50 cases per 100 thousands of population, death rate – 5,8 per 1000 000 (at this 4,7 are women).*



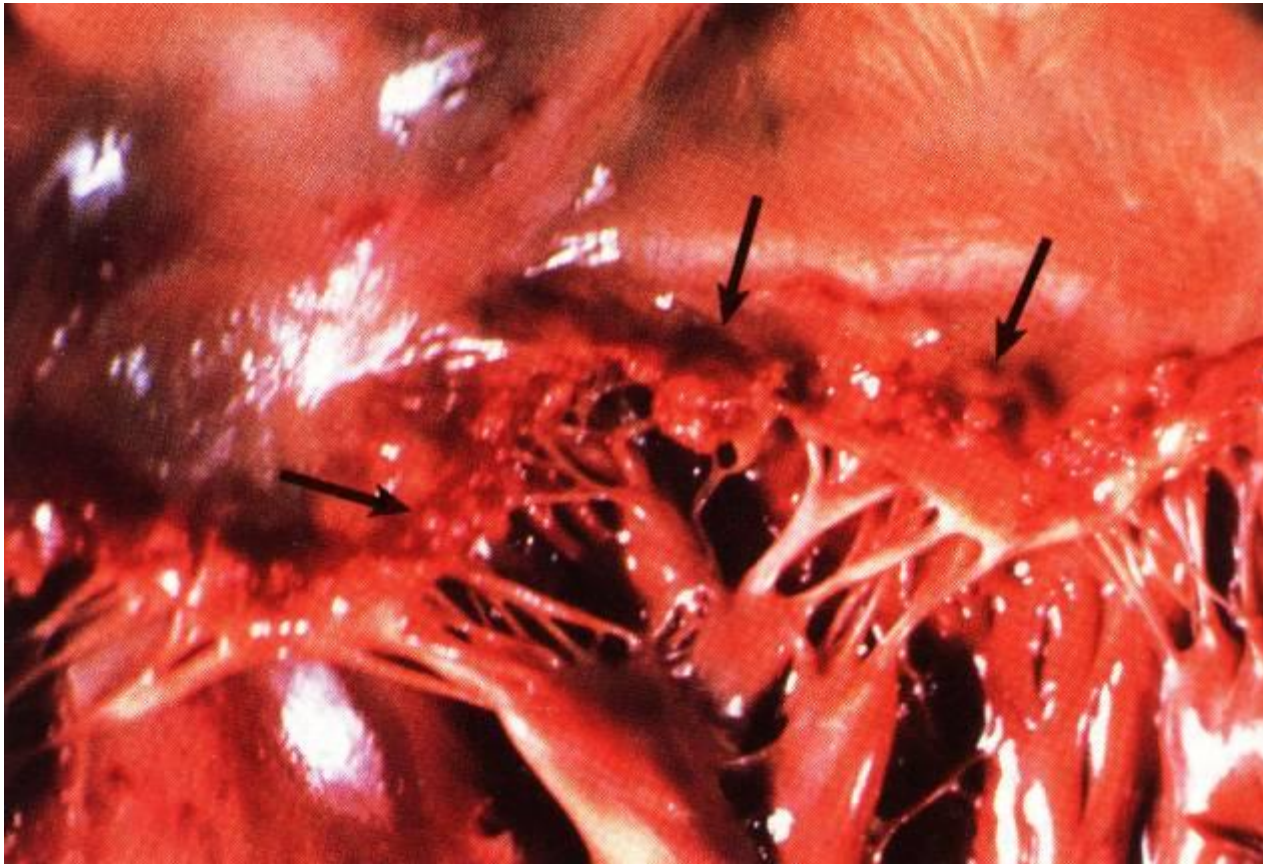


# Symptom of “Butterfly”

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# Endocarditis of Libman-Sacks





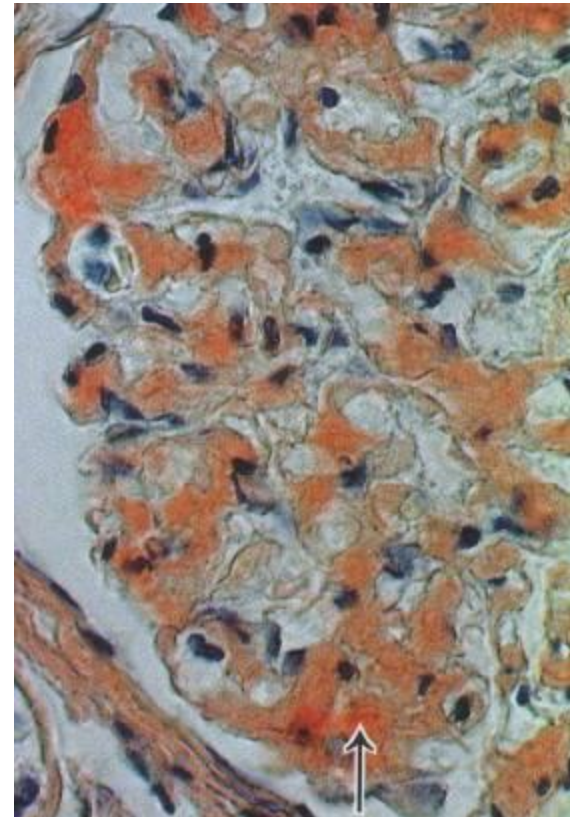
# Rheumatoid arthritis

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- **Rheumatoid Arthritis (RA)**  
*(polyarthrititis) is the chronic system disease of connective tissue with the progressive defeat of peripheral (synovial) joints mostly as the type of erosive-destructive polyarthrititis.*
- *RA is registered in the all countries of the world and all climate-geographical areas with frequency from 0.6 to 1.3 %. Everywhere women are unwell more frequent (3-4:1).*

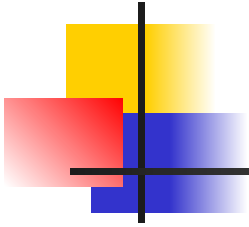


# Complication of Rheumatoid Arthritis





# Rheumatoid Arthritis





# Systemic scleroderma (scleriosis)

## (Progressive systemic sclerosis)

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- *Systemic scleroderma is the system disease of connecting tissue and small vessels, which is characterized by the widespread fibrotic-sclerotic changes of skin, stromae of internalss and symptomes of obliterated endocarditic in the form of syndrome of Reino.*
- *Primary morbidity in the USA is known only – 12 accidents on the 1 million populations in a year. The women are unwell in 3-7 times more frequent. Age-dependent peak – 30-60 years.*

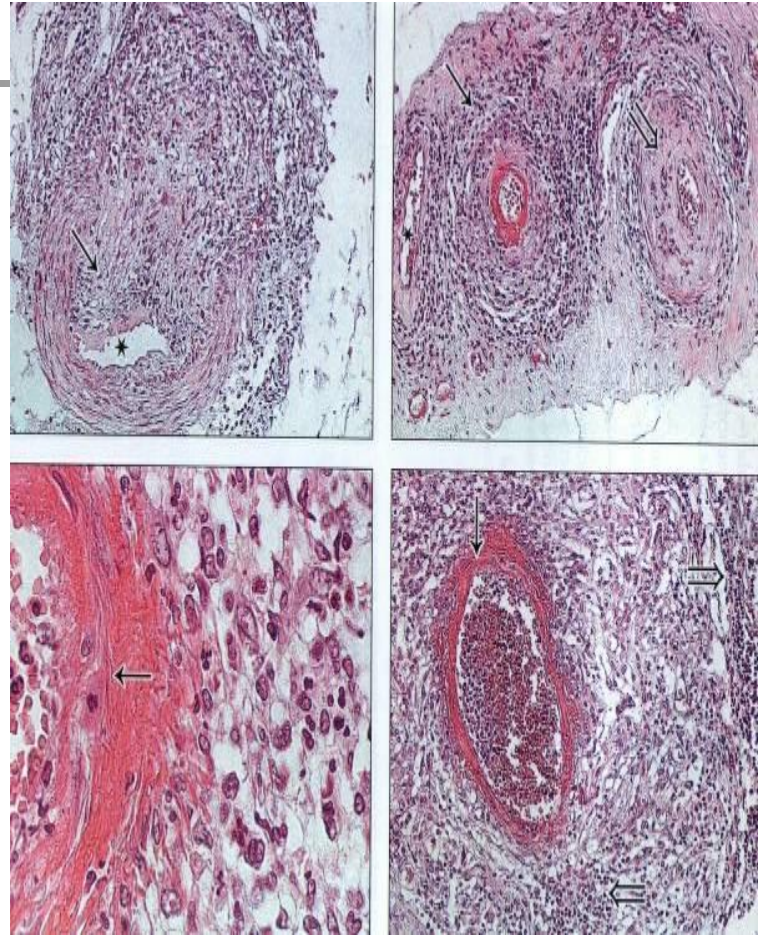


# Systemic scleroderma



# Nodular periarteritis

*Nodular periarteritis is a system necrotic vasculitis as the type segmental defeat of small and middle caliber arteries with formation of the aneurysm protrudes. The men of young age are ill mostly, morbidity makes 2-3 on the 1 million populations in the year.*





***I thank you for  
attention !***



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