



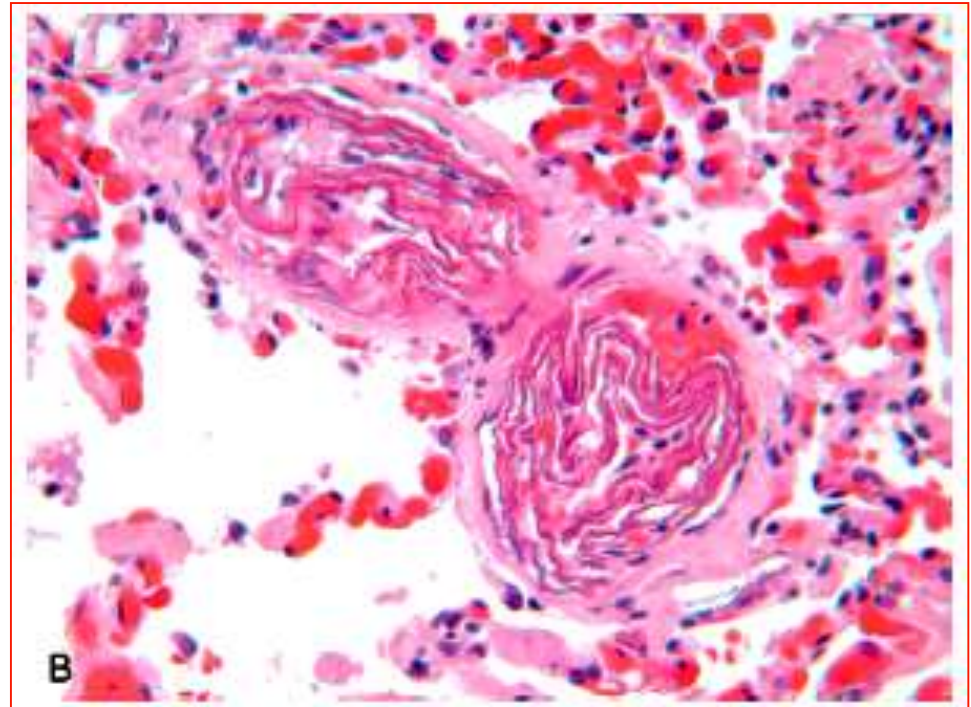
Cardiovascular System - Pathology Lab

3rd year medical students

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A 26 years old pregnant woman had a complicated C/S. 12 hours post her C/S, she started to develop shortness of breath, decreased consciousness, And seizures before she died. This is a microscopic section from her lung.

Amniotic fluid
embolus: keratin
and fetal
squamous cells in
pulmonary
arterioles



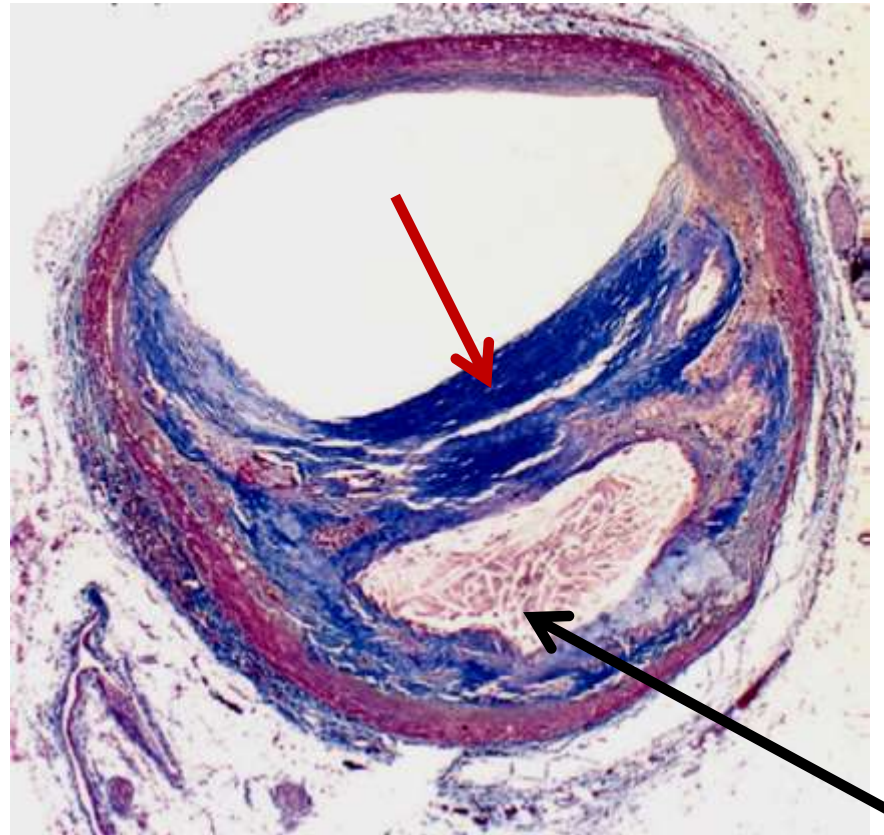
Lymphedema

- Name major types.
- Give examples on causes



Atherosclerosis

- Name parts of this lesion (**red** and **black** arrows)
- Describe the composition of each part

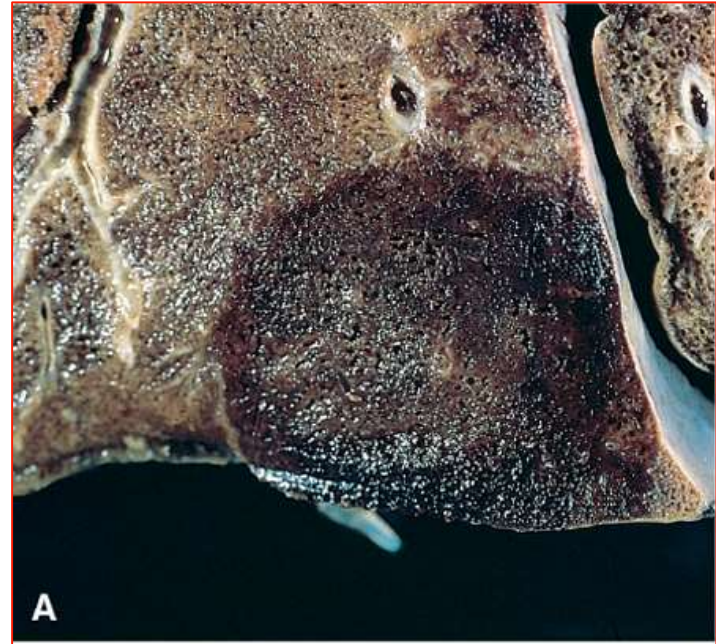


Infarction

- **lung (A), and spleen (B)**

1- what type of infarct do you see in A & B?

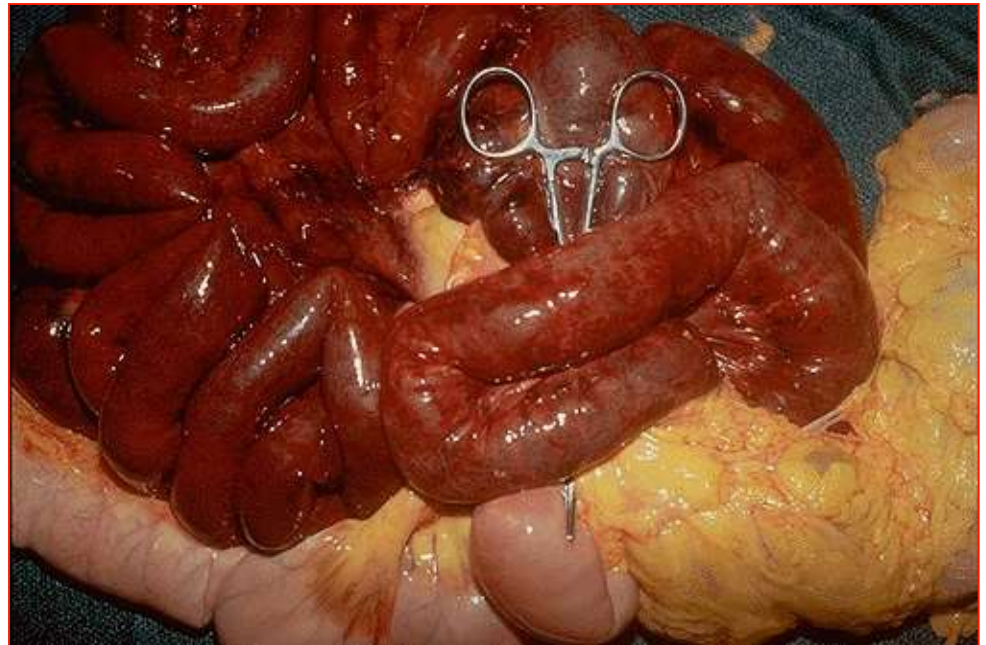
2- microscopic features you expect to see in A & B?



A 74 years old man was brought to ER with severe abdominal pain and rectal bleeding. Laparotomy was performed. This is a picture of His small intestines.

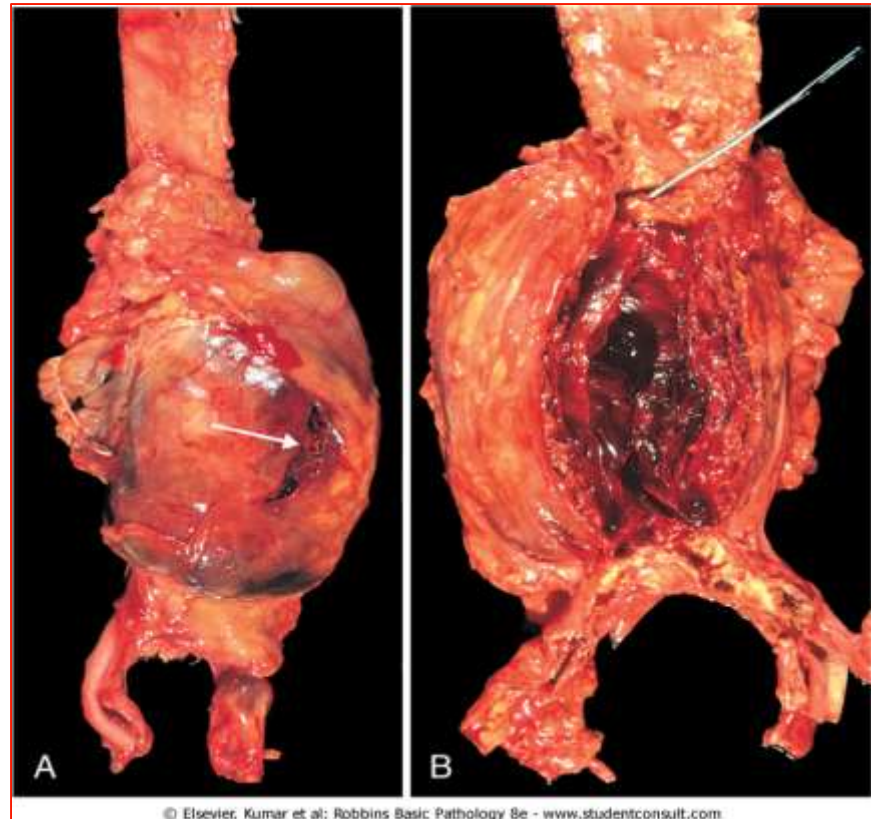
Infarction

- **A case of sudden mesenteric artery occlusion.**
- **What type of infarcts is it? Why?**



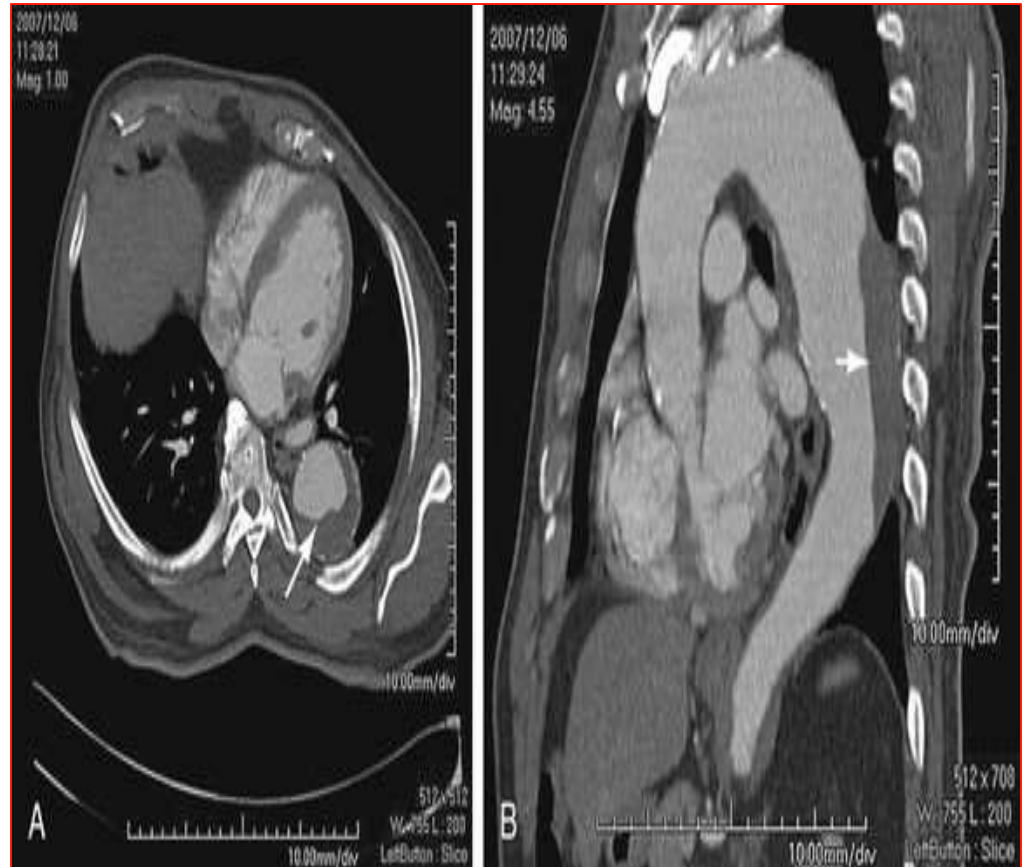
Aortic aneurysm

- What part of the aorta is involved ?
- Picture A, white arrow?
- picture B?



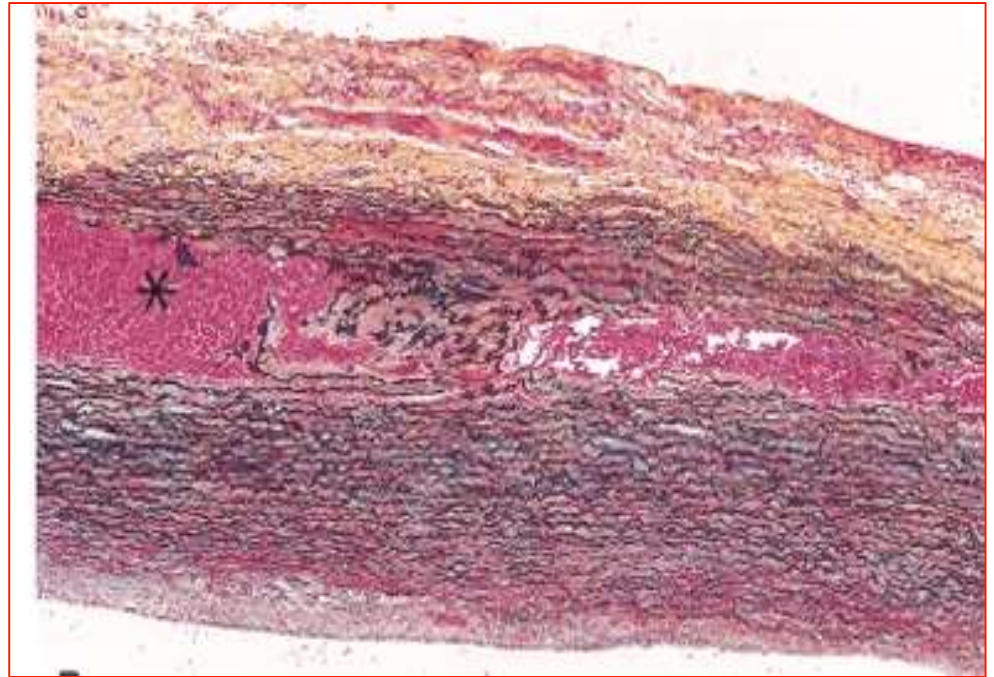
Aortic aneurysm

- What part of the aorta is involved ?
- white arrows represents?



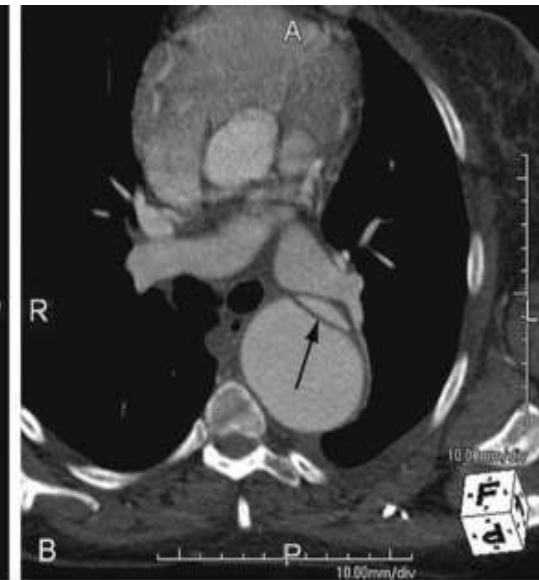
Aortic dissection

- The special histochemical stain in this microscopic section of aorta shows elastic fibers in black color. What does the black star represents?
- Name a major precipitating factor
- other causes?



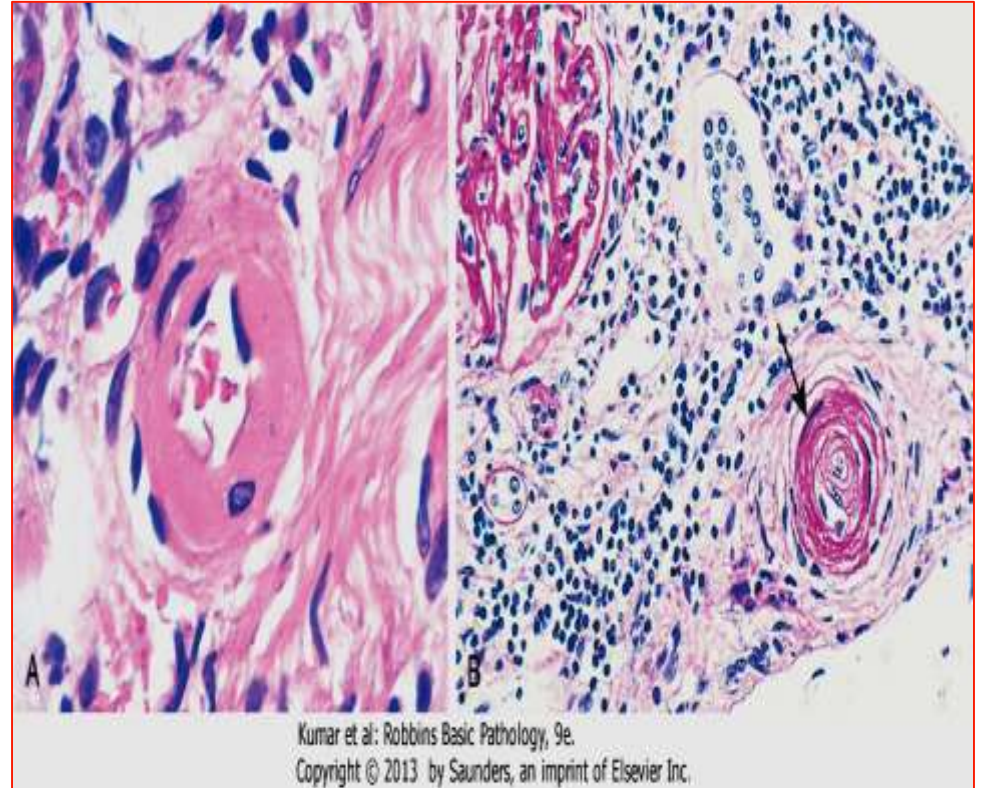
Aortic dissection

-black arrows
represents?



Arteriolosclerosis

- types? A, B
- causes?



Complications of MI

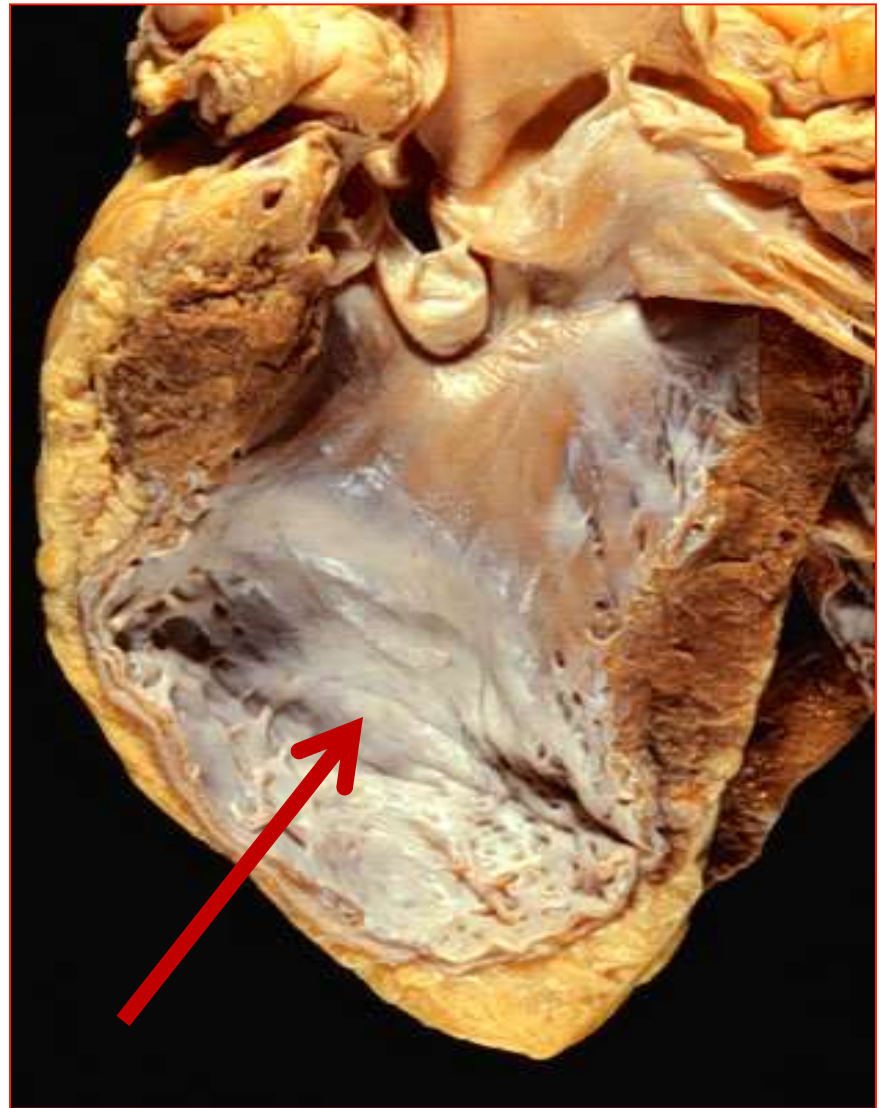
-what complication is seen in this picture (white arrow)?

-Mention the consequences that may follow this.



Complications of MI

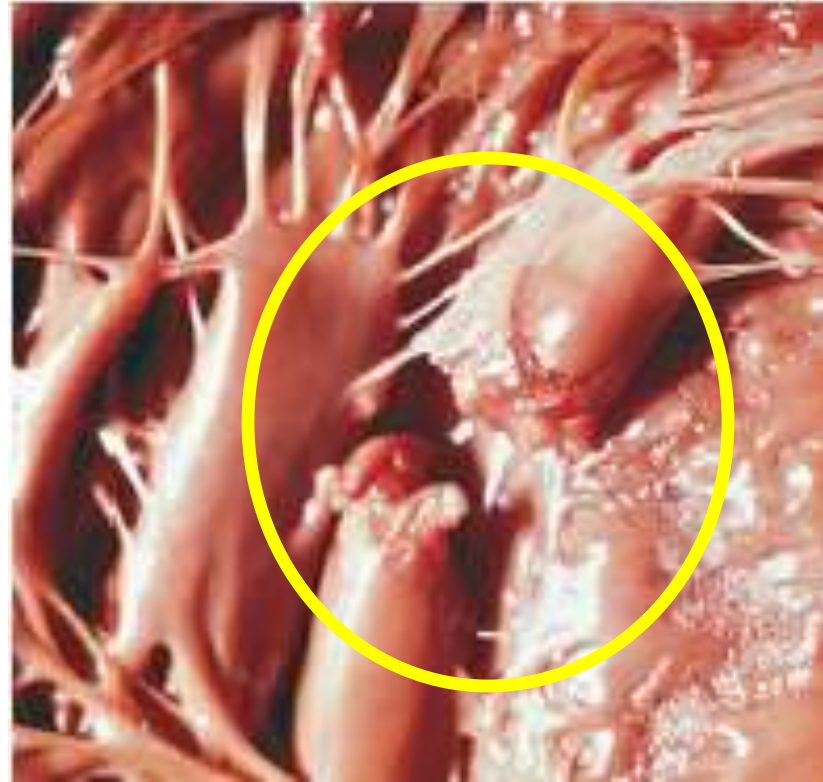
- A recent or old MI? (red arrow)
- What post-MI complication is seen?
- potential clinical consequences?



Complications of MI

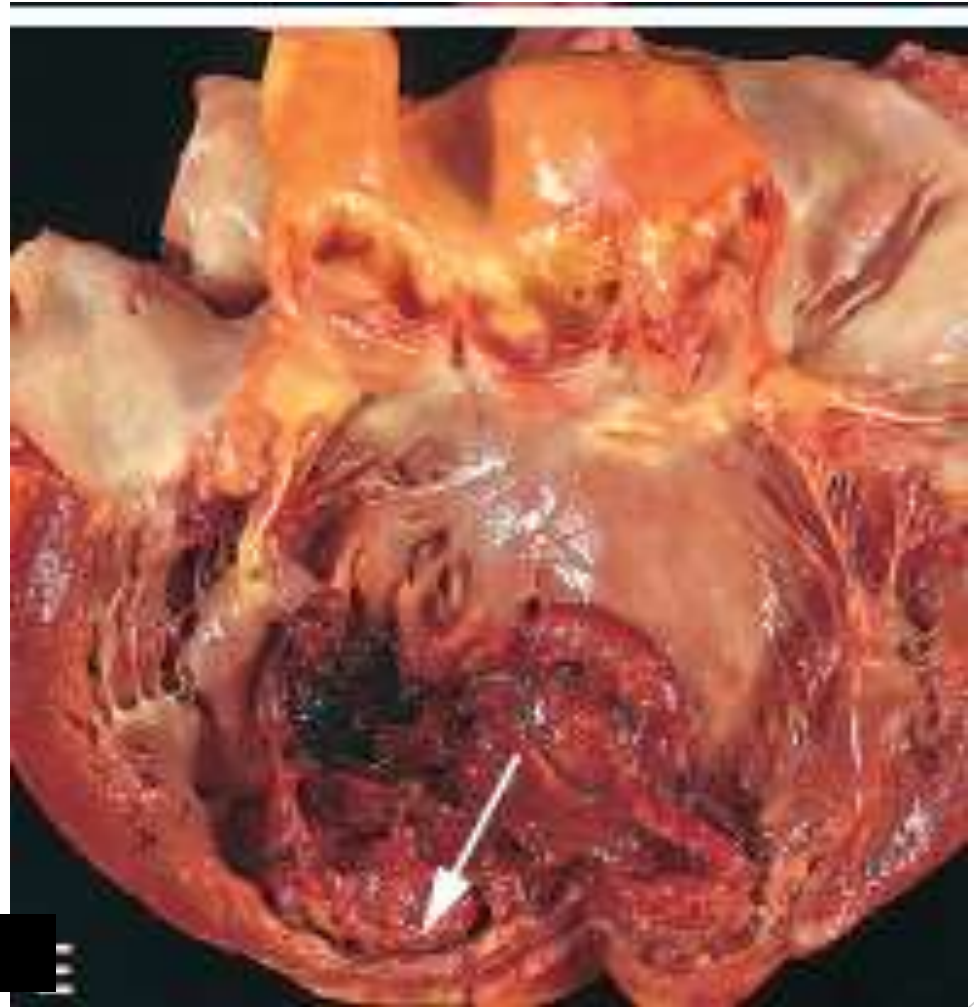
- what complication of acute MI do you see?

- potential adverse effects ?



Complications of MI

-what significant complication of acute MI do you see?



Acute rheumatic heart disease

- **Aschoff bodies** are *pathognomonic* for rheumatic fever
- **Composition?**
Collections of T-lymphocytes, plasma cells, and macrophages

