

# CVS- pathology

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Archive

Lecture 7

Valvular Heart Disease and endocarditis

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1—The following situations may lead to "culture negative" endocarditis EXCEPT ? select one :

- a. Non-bacterial etiologies.
- b. The etiological agent is the Gram-negative *Cardiobacterium*
- c. The use of antibiotics prior to blood culture sampling
- d. Subacute endocarditis in individuals with prosthetic valves following dental procedures.
- e. Infection by one of unusual organisms causing the endocarditis such as a *Coxiella* species

Answer : d

2—41-year-old woman has had increasing dyspnea for the past week. On physical examination, temperature is 37.3°C, and blood pressure is 150/95 mm Hg. There is dullness to percussion over the lung bases. A chest radiograph shows large bilateral pleural effusions and a normal heart size. Laboratory findings include serum creatinine 3.1 mg/dL and positive ANA and anti-double-stranded DNA antibody test results. Which of the following cardiac lesions is most likely to be present in this patient?

Select one:

- a. Calcific aortic stenosis
- b. Hemorrhagic pericarditis
- c. Nonbacterial thrombotic endocarditis
- d. Libman-Sacks endocarditis
- e. infective endocarditis

Answer : d

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3—25-year-old man was found dead at home by the apartment manager, who had been called by the decedent's employer because of failure to report to work for the past 3 days. An external examination by the medical examiners showed splinter hemorrhages under the fingernails and no signs of trauma.

The gross appearance of the heart at autopsy is shown in the figure .Which of the following laboratory findings is most likely to provide evidence for the cause of his disease ? Select one :

- a. Elevated cardiac enzymes
- b. Positive ANCA serology
- c. Increased creatine kinase-MB (CK-MB) fraction
- d. High double stranded DNA autoantibody titer
- e. Positive blood culture for Staphylococcus aureus

Answer : e

4—Most common cause of mitral stenosis?

- a. Chronic rheumatic valve disease
- b. Acute rheumatic fever

Answer : a

5- Which of the following is wrong about myxomatous mitral valve?

- a. Secondary mitral prolapse happens more in men

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7—31-year-old healthy woman has a check of her health status and the only finding is a mid-systolic click on auscultation of the heart. Within 5 years she has increasing dyspnea. Echocardiography now shows mitral regurgitation from prolapse of a leaflet. Which of the following pathologic changes is most likely present in this valve? Select one:

- a. Destructive vegetations
- b. Infective endocarditis
- c. Aortic regurgitation
- d. Senile degeneration
- e. Rheumatic fibrosis

Answer : b

The true sentence about Libman-Sacks endocarditis is:  
SLE

One of the following is false about inflammation of valves?  
Pericarditis

Infective endocarditis with dental surgery?  
Viridian streptococcus

Myxomatous associated with :  
Marfan syndrome