

| Disease | Myocarditis | Pericarditis | Endocarditic |
|-----------------------|---|---|--|
| Definition | Myocarditis is inflammatory disease of the heart muscle | Pericarditis is an inflammation of the pericardium usually of infectious etiology (viruses, bacteria, fungal or parasitic) | Infection or colonization of endocardium , heart valves , congenital defects by Bacteria, Rickettsiae (Gram –ve bacteria) , Fungi |
| Etiology | <p>Viral infection is the most common cause</p> <p>Virus: <u>coxsackie B</u></p> <p>Bacteria : diphtheria</p> | <p>Virus : Coxsackievirus A and B, Echovirus are the most common causes</p> <p>Bacterial Pericarditis</p> <p><u>M. tuberculosis</u></p> <p>HIV patients may develop pericardial effusions (<i>M.tuberculosis</i>, <i>M. avium</i> complex).</p> | <ul style="list-style-type: none"> Susceptible patient Bacteraemia <p>Acute: staph. aureus , Subacute : <u>Strept Viridans</u> Prosthetic valve : staph epidermidis</p> <p>Genitourinary or gut procedure: <u>strept. Faecalis</u></p> |
| Clinical presentation | <ul style="list-style-type: none"> Fever , rashes muscle aches Chest pain (dull pain) , arrhythmias | <ul style="list-style-type: none"> Pleuritic chest pain Friction rub Paradoxus JVP and tachycardia Chest pain "stabbing pain " | <ul style="list-style-type: none"> Fever Petechiae Haematuria Splinter hemorrhage Osler's node (common in subacute IE) |
| Diagnosis | <ul style="list-style-type: none"> ↑WBCs, ESR, Troponin, CK-MB X-rays, MRI ECG, Echocardiogram blood cultures, viral serology Heart muscle biopsy | <ul style="list-style-type: none"> ECG leukocytosis and elevated ESR Blood cultures Pericardial fluid Pericardial biopsy (TB) | <ul style="list-style-type: none"> <u>serial blood culture</u> <i>serological tests</i> : CFT (coxiella burniti) <i>sensitivity test</i> |
| Management | <ul style="list-style-type: none"> Supportive steroid Heart transplant Most cases of viral myocarditis are self limited. | <ul style="list-style-type: none"> NSAIDS and Colchicine. Antibiotic Antiviral Anti TB drug Steroid Acyclovir for Herpes simplex or Varicella. Ganciclovir for CMV. Pericardiocentesis to relief tamponade | <p><u>Viridans streptococci</u> : Benzyl penicillin Or gentamicin penicillin +</p> <p><u>Streptococcus faecalis</u>: ampicillin + gentamicin I.V</p> <p>Antibiotic prophylaxis :amoxicillin</p> |

الجدول عبارة عن تلخيص لأهم النقاط بالمحاضرتين . نتمنى إن الواحد ما يدخل الاختبار الا وهو عارف هذي الأشياء وخاصة اللي بالاحمر
بالنهاية المرجع الأساسي للمذاكرة هو المحاضرة نفسها ، هذا اجتهد شخصي وان شاء الله إنه يحقق المطلوب منه وهو الفائدة

Good Luck

Micro Team