

Cardiovascular Examination

OBJECTIVE: To conduct a complete Cardiovascular Examination.

MATERIALS: Well illuminated examination room, examination table, stethoscope and ophthalmoscope.

D: Appropriately done PD: Partially done ND: Not done/Incorrectly done

| | STEP/TASK | D | PD | ND |
|-----|---|---|----|------------------------|
| | Preparation | | | |
| 1. | Introduce yourself to the patient. | | | |
| 2. | Confirm patient's ID. | | | |
| 3. | Explain the procedure and reassure the patient. | | | |
| 4. | Get patient's consent. | | | |
| 5. | Wash hands. | | | |
| 6. | Prepare the necessary materials. | | | Control of the Control |
| 7. | Show the patient each object and allow him/her to touch them to reduce any fear of being hurt during the examination. | * | | |
| 8. | Position the patient in a 45 degree sitting position and uncover his/her upper body. | | | |
| | Examination | | | |
| | General inspection | | | |
| 9. | Observe the patient's general appearance (age, state of health, nutritional status and any other obvious signs e.g. jaundice, cyanosis, dyspnoea). | | | |
| | Hands and pulse | | | |
| 10. | Pick up the patient's hand; inspect and examine (<i>Temperature, Color, Nail clubbing, Nail splinter haemorrhages, Nail signs of iron deficiency</i>). | | | |
| 11. | Take the patient's radial pulse (Determine the Rate, Rhythm and the Character of the pulse). | | 3 | 8 |
| | Blood pressure | | | |
| 12. | Take his/her blood pressure (Lying and standing or sitting-postural hypotension). | | | |
| | Face | | | |
| 13. | Inspect the patient's face (sclerae, pupils, malar rush, mouth, palate, dentition). | | | |
| | Neck | | | |
| 14. | Assess the jugular venous pressure and the jugular venous pulse form: • Ask the patient to turn his head slightly to one side. | | | |
| - | Look at the internal jugular vein medial to the clavicular head of sternocleidomastoid. Assuming that the patient is at 45 degrees, the vertical height of the jugular distension from | | | |
| | the sternal angle should be no greater than 4 cm. | | | |
| 15. | Locate the carotid pulse and assess its character. | | | |
| | Praecordium | | | |
| 16. | Inspect the patient's chest (scars, deformity, apex beat, abnormal pulsation, pacemaker). | | | |
| 17. | | | | |
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| | Cardiovascular Examination | | | |
|----------|--|----------|----|-------------------------|
| | STEP/TASK | D | PD | ND |
| | Examination | | | |
| | Auscultation of the heart | | | |
| 18. | Place your stethoscope's diaphragm on auscultation areas and listen for: | | | |
| | Heart sounds, additional sounds, murmurs, and pericardial rub. | | | |
| | General auscultation areas: | rosi | | |
| | Aortic area - right second intercostal space near the sternum. | | | |
| | • Pulmonary area - left second intercostal space near the sternum. | | | |
| | • Tricuspid area - left third, fourth, and fifth intercostal spaces near the sternum. | | | |
| | Mitral area - left fifth intercostal space, in the mid-clavicular line. | | | |
| 19. | Ask the patient to turn onto his left side and to hold his breath in expiration. | | | |
| | Using the stethoscope's bell, listen in the mitral area for the middiastolic murmur of mitral | | | |
| | stenosis. | | | |
| 20. | Ask the patient to bend forward and to hold his breath in expiration. | -00/1009 | | |
| | Using the stethoscope's diaphragm, listen at the left sternal edge in the fourth intercostal | | | |
| | space for the mid-diastolic murmur of aortic regurgitation. | | | |
| 21. | Listen over the carotid arteries for any bruits. | | | and developed to a con- |
| | Back (patient is in sitting forward position) | 6.0 | | |
| 22. | Inspect the patient's back (scars, deformity). | | | |
| 23. | Percuss his/her back (pleural effusion). | | | |
| 24. | Auscultate for inspiratory crackles (left ventricular failure). | | | |
| | Abdomen (patient is laying down) | | | |
| 25. | Inspect the patient's abdomen (scars, deformity). | | | |
| 26. | Palpate his/her abdomen for hepatomegaly (right ventricular failure), pulsatile liver (tricuspid | | | |
| | regurgitation), splenomegaly (endocarditis) and aortic aneurysm. | | | |
| 27. | Ballot the kidneys and listen for any renal artery bruits. | | | |
| | Legs (patient is laying dewn) | 3 1877 | | |
| 28. | Examine all peripheral pulses bilateraly. | | | |
| | • Femoral pulses. • Popliteal pulses. • Posterior tibial pulses. • Dorsalis pedis pulses | | | 4.5 |
| 29. | Look for peripheral vascular disease, peripheral oedema and clubbing of the toes. | | | |
| 30. | Cover the patient up. | | | |
| · u | Eyes | | | |
| 31. | Examine the retina with an ophthalmoscope. | | | |
| en en en | After the examination | | | |
| 32. | Indicate that you would test the urine. | | | |
| 33. | Ensure that the patient is comfortable. | | | |
| 34. | Make explanations to the patient, answer his/her questions and discuss management plan. | | | |
| 35. | If appropriate, order diagnostic investigations (e.g. ECG, CXR, echocardiogram). | | | |
| 36. | Dispose of sharps and waste material according to infection control standards. | | | |
| 37. | Wash hands. | | | |
| 38. | Document the procedure. | | | |

Mid Clavicular Line Pulmonie Area Aortic terior Area dlary Line Sternum Tricuspid Area