

Cardiovascular System

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Course specifications

- Lectures:
 - 1. Cardiac assessment & investigations
 - 2. Cardiac symptoms & signs
 - 3. Heart Failure
 - 4. Valvular Heart Diseases
 - 5. Ischemic Heart Disease.

Exam

- **Total: 100 marks**
- **20** midterm (end of 8th week)
- **20** quizzes & assignments (During lectures)
- **60** final (end of 14th week)

Cardiac assessment

- History
- Examination
- Investigations

History

- Personal
- Complaint & duration
- HPI
- Past
- Family
- Drug
- Menstrual

Examination

- General (general look, vital signs, H&N, UL, LL)
- Local (Inspection, Palpation, Percussion, Auscultation)
- Systemic (other systems)

Investigations

- Non-invasive & invasive
- Imaging & laboratory

ECG

- Modalities: resting, stress & Holter
- Indications
- Interpretation:
 - -etiology
 - -disease
 - -complication
 - -progress

ECHO

- Trans Thoracic ECHO (TTE)
- Trans esophageal ECHO (TEE)
- -Indications
- -Interpretation

Chest X-ray

- Normal
- Abnormal
- uses

CT & MRI

- uses

Catheterization

- Diagnostic
- Therapeutic
- Types
- Indications

Isotope scan

- Principle
- indications

Laboratory

- Specific
- Cardiac enzymes: Troponine, CK-MB
- ANP, BNP
- Non-specific
- Lipid profile
- HbA1c
- Thyroid
- Others.....