

**2017/18 Batch**  
**Therapeutics in Pharmacology SGD**

**Date**  
**16.12.2022 (Friday)**

**Time**  
**1.30 p.m. – 2.30 p.m.**

**Groups**

**Venue**

**Lecturer**

**All**

**West Lecture Theatre**

**Dr. G. Mayurathan**

**Therapeutics in Pharmacology – SGD (17/18 Batch)**

**Acute Coronary Syndrome**

**Dr. G. Mayurathan**

**16.12.2022 – 1.30 p.m. to 2.30 p.m.**

**Case Scenario 1:**

Mr XX, 63 year old gentleman presented to your ward with the history of retrosternal chest pain associated with sweating for the last 4 hours. He has diabetes and hypertension. He smoked 10-15 cigarettes per day. You are the attending medical officer.

On examination he is in pain, not pale. Heart rate 88 per minute and the Blood pressure was 150/94 mmHg. His lungs were clear with no added sounds.

Blood was drawn for investigations and a 12 lead ECG was ordered.

1. What is the tentative diagnosis?
2. What is the initial pharmacological management?

The 12 lead ECG showed ST elevation in the Anterior leads and the diagnosis of Acute Anterior ST Elevation Myocardial Infarction was made.

3. What is the best way of management?
4. What is the specific pharmacological agent for STEMI?

Your consultant asked you to assess the patient for thrombolytic therapy.

5. What are the indications for thrombolytics in ACS?
6. What are the contraindications for thrombolytic therapy?

Following day the patient developed shortness of breath.

Examination revealed tachycardia with bi-basal crackles. Echo showed severe LV dysfunction with EF of 30%.

Heart failure leading to pulmonary oedema was diagnosed.

7. What is the acute pharmacological management of Heart failure?

Patient recovered and was planned to discharge on day 7.

8. What are the discharge drugs for ACS?
9. What is the long-term pharmacological management for Heart Failure?

**Case Scenario 2:**

Mrs YY, 55 year old female presented with acute chest pain. ECG showed T wave inversions in the Anterior leads and the Cardiac Troponin was positive.

The diagnosis of Non ST Elevation Myocardial Infarction was made.

10. What is the pharmaceutical management of NSTEMI?