

# Cardiovascular Case

## Input Text:

The patient presents with chest pain radiating to the left arm, shortness of breath, and elevated blood pressure. ECG shows ST elevation. Troponin levels are elevated.

## Expected Prediction:

Cardiovascular / Pulmonary

## Expected Entities:

- chest pain
  - shortness of breath
  - blood pressure
  - ECG
  - Troponin
- 



# 2 Endocrinology Case

## Input Text:

Patient has elevated blood glucose levels and reports frequent urination and excessive thirst. HbA1c is 9.2%. Started on insulin therapy.

## Expected Prediction:

Endocrinology

## Expected Entities:

- blood glucose
  - HbA1c
  - insulin
- 



# 3 Neurology Case

 **Input Text:**

The patient experienced sudden onset of weakness on the right side and slurred speech. CT scan confirms ischemic stroke.

 **Expected Prediction:**

Neurology

 **Expected Entities:**

- weakness
  - slurred speech
  - CT scan
  - stroke
- 

**4 Pulmonary Case** **Input Text:**

Patient complains of chronic cough, wheezing, and difficulty breathing. Chest X-ray indicates possible pneumonia.

 **Expected Prediction:**

Pulmonary

 **Expected Entities:**

- chronic cough
  - wheezing
  - chest x-ray
  - pneumonia
- 

**5 Orthopedic Case** **Input Text:**

Patient sustained fracture of the femur following a motor vehicle accident. X-ray confirms displaced fracture. Surgical fixation planned.

### **Expected Prediction:**

Orthopedics

### **Expected Entities:**

- fracture
  - femur
  - x-ray
  - surgical fixation
- 

## **6 Gastroenterology Case**

### **Input Text:**

The patient reports abdominal pain, nausea, and vomiting. Endoscopy reveals gastric ulcer.

### **Expected Prediction:**

Gastroenterology

### **Expected Entities:**

- abdominal pain
  - nausea
  - vomiting
  - gastric ulcer
  - endoscopy
- 

## **7 Oncology Case**

### **Input Text:**

Biopsy confirms malignant tumor in the left breast. Chemotherapy and radiation therapy are recommended.

 **Expected Prediction:**

Oncology

 **Expected Entities:**

- biopsy
- malignant tumor
- chemotherapy
- radiation therapy