

## **Heart Attack:**

### **Symptoms:**

- Chest discomfort, manifest as pain, fullness, and/or squeezing sensation of the chest
- Jaw pain, toothache, headache
- Shortness of breath
- Nausea
- Vomiting
- Discomfort in abdomen
- Sweating
- indigestion/heartburn
- Arm pain
- Upper back pain
- Panic Attacks
- No symptoms.
- Heart Palpitations

### **Treatments:**

- **Aspirin to prevent further blood clotting**
- **Nitroglycerin to reduce your heart's workload and improve blood flow through the coronary arteries**
- **Oxygen therapy**
- **Treatment for chest pain**

## **Stroke:**

- Balance disorder
- Sudden blurred or loss of vision
- Difficulty speaking

### **Treatments**

Blood thinners

Aspirin

TPA via IV

Medication delivered directly to the brain via catheter

Mechanical clot removal

## **Asthma Attack**

- Lots of coughing, especially at night
- Short of Breath
- Short, shallow, fast breaths
- Whistling sound when breathing
- Pale sweaty face
- Inability to stop coughing
- Issues walking

### **Treatments:**

- Inhaler
- Corticosteroid pills
- Bronchodilator
- Mechanical oxygen treatment

## **Appendicitis:**

- chills, fever, loss of appetite
- diarrhea, nausea, or vomiting
- **Pain areas:** in the mid-abdomen or right lower abdomen

### **Treatments**

Antibiotics

Stops the growth of or kills bacteria

appendectomy

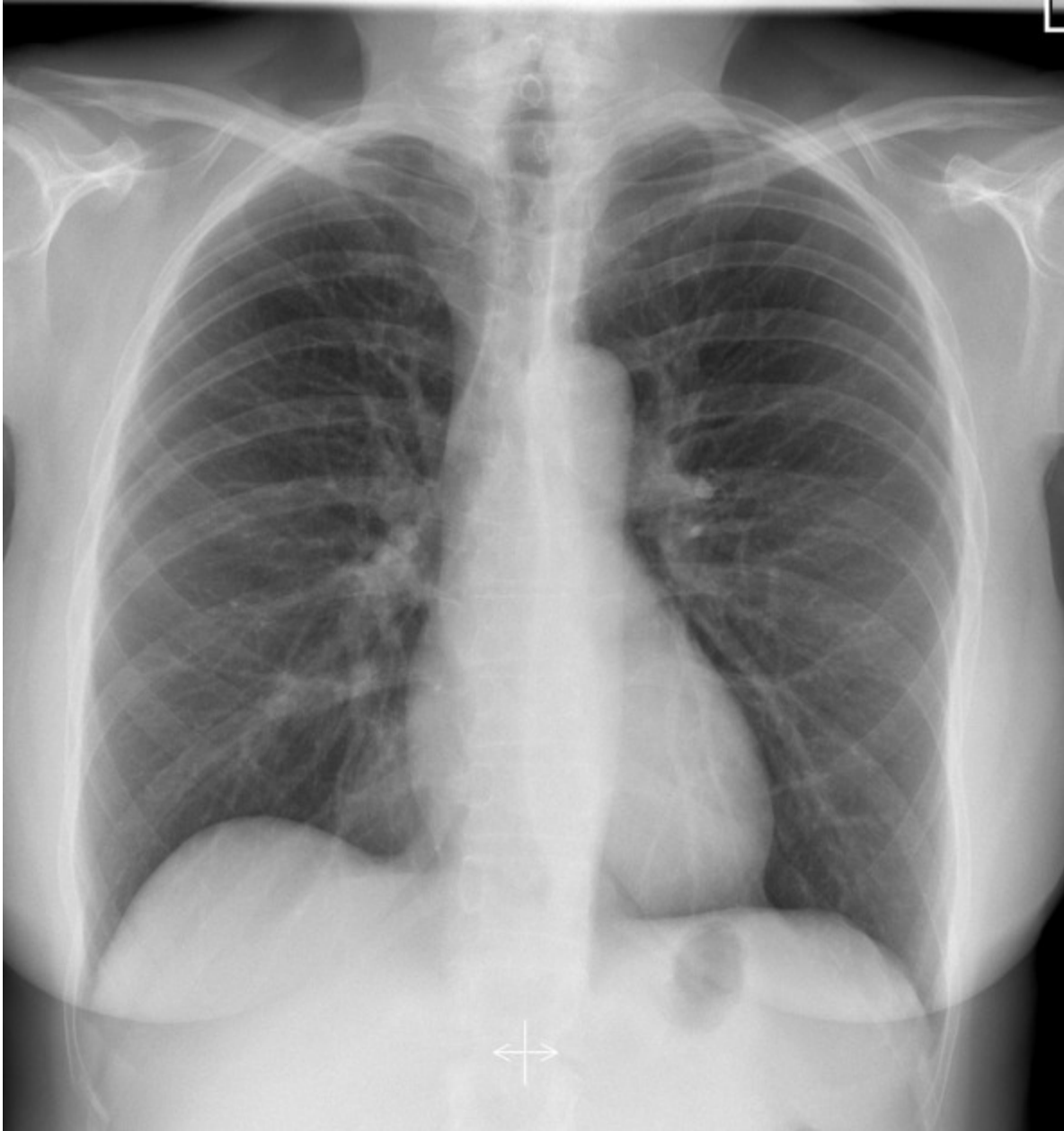
Surgical removal of the appendix.

**Catherization-** Give anestizia for catherization. No animation ( will not do this one in demo)

**Vascular surgery -** hover scalpel over chest to peel (5 seconds). Hover hands over chest to operate (25 seconds).

**Medication-** Choosing right bottle of medication

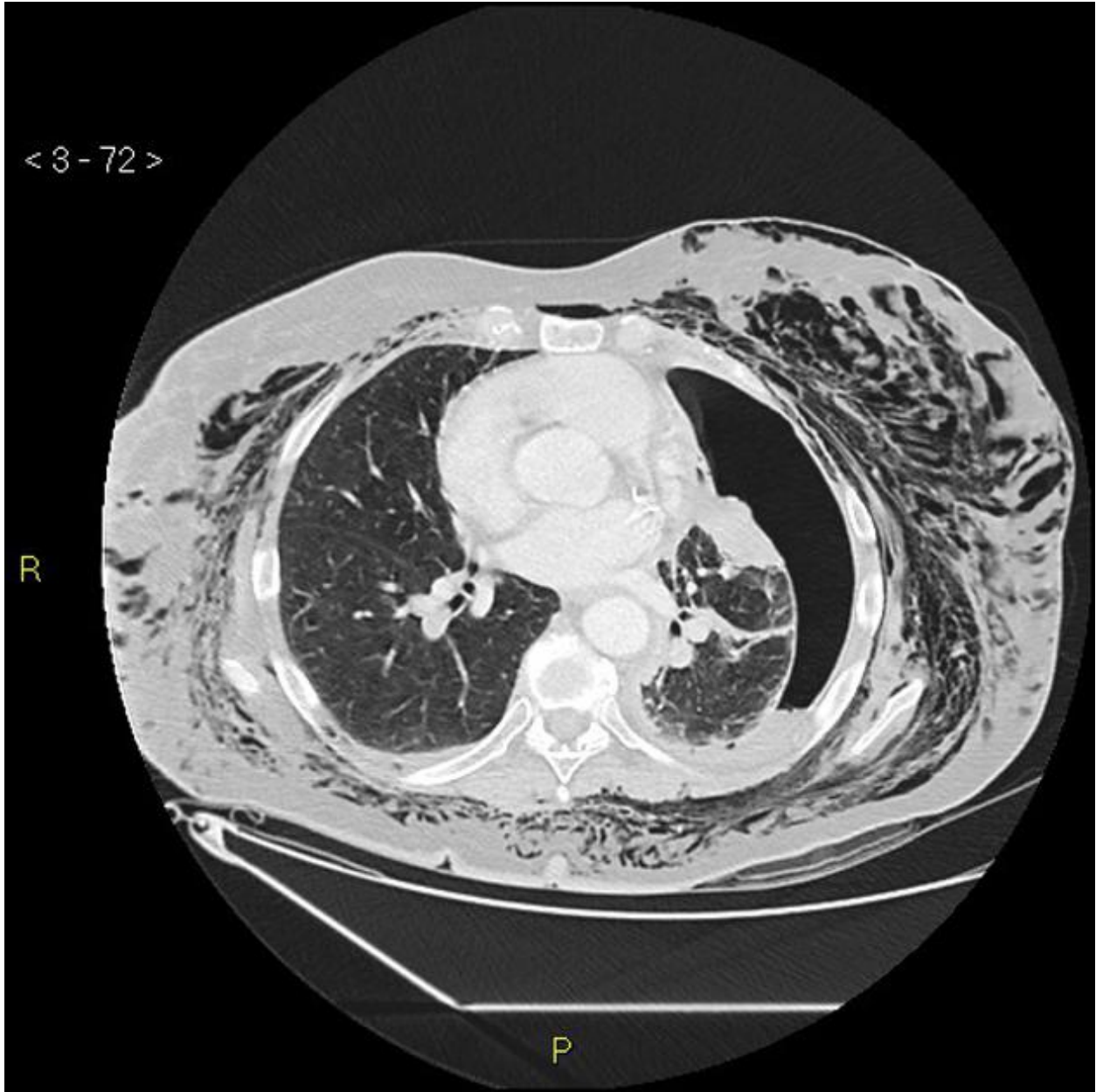
Normal CXR



**Pneumothorax:**

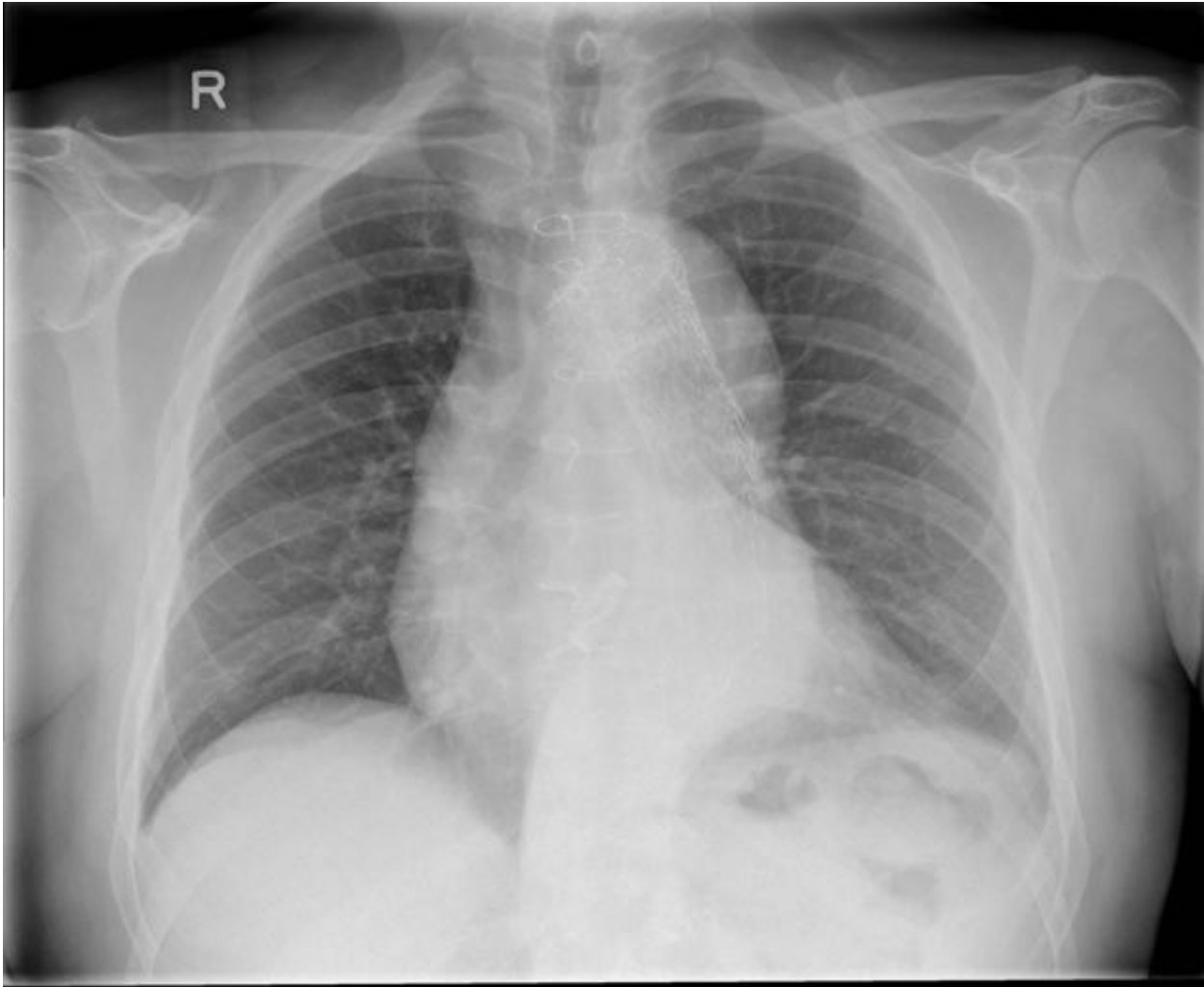


**CT**



**Aortic dissociation:**

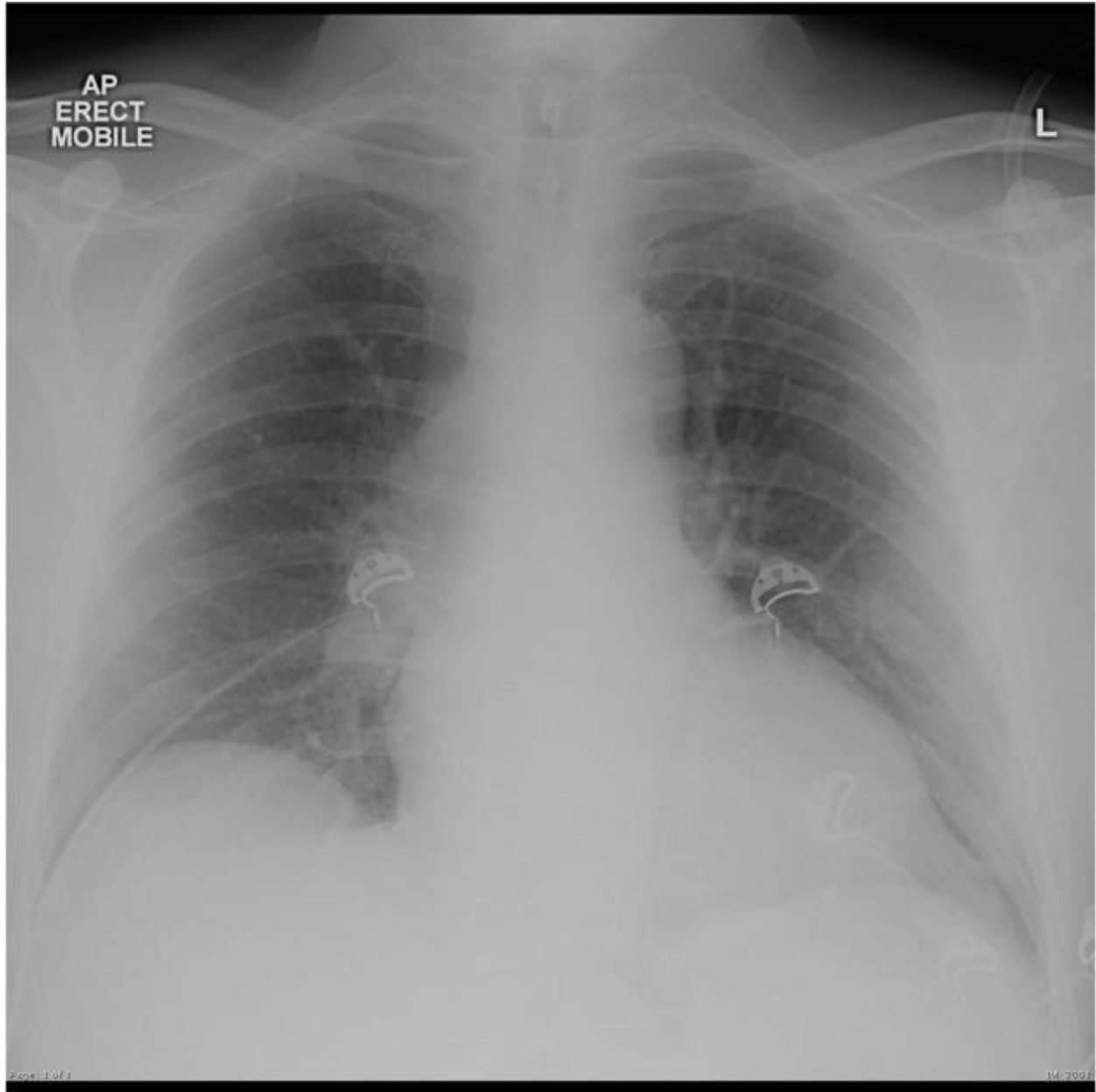
CXR



Pulmonary Embolism - CT

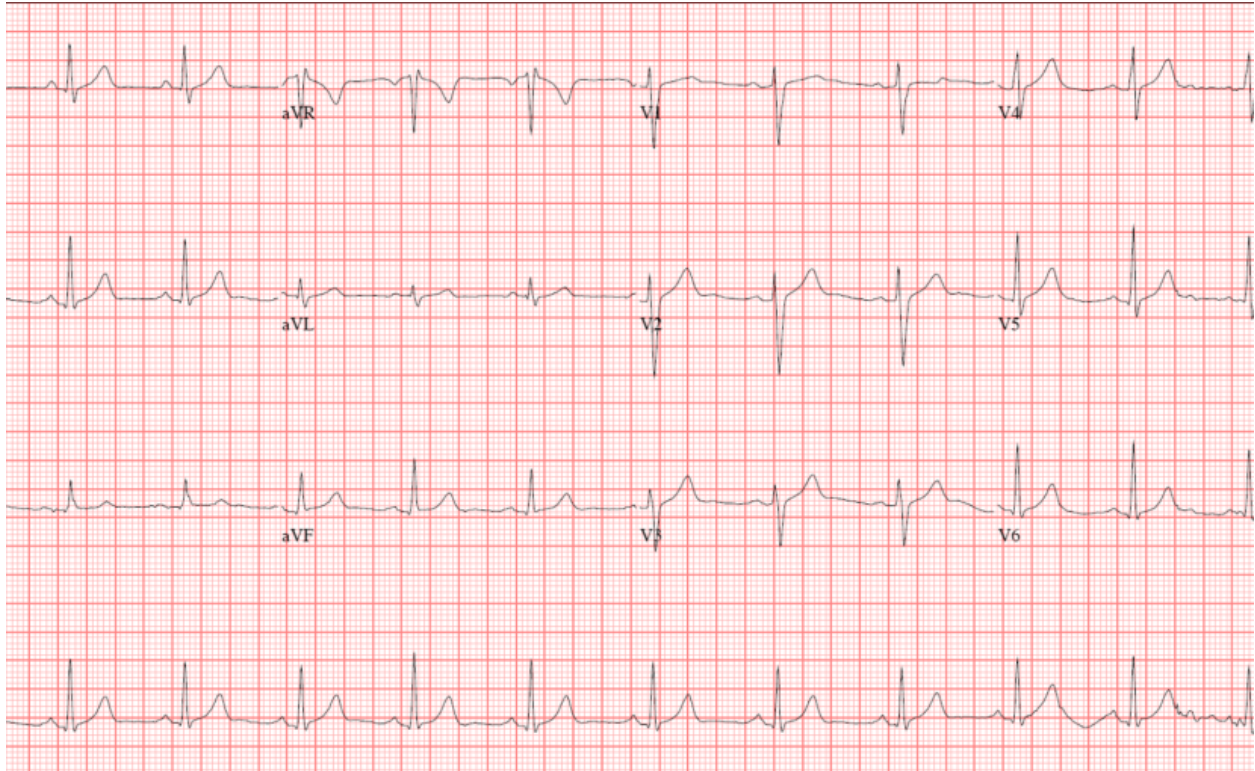


CXR

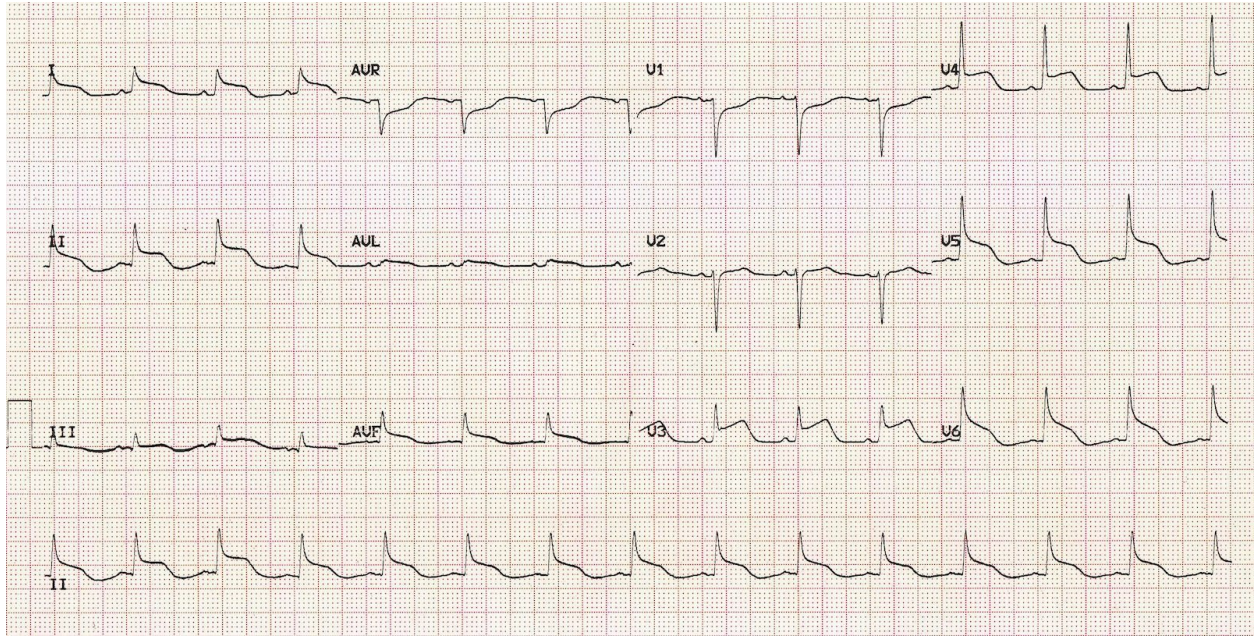




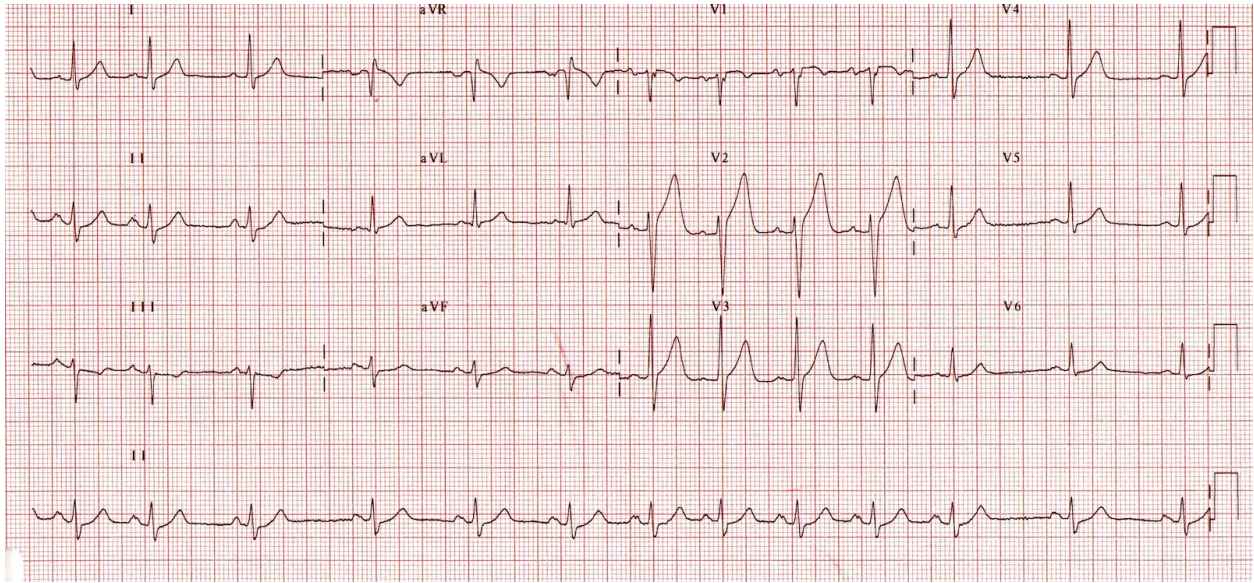
**EKG-Normal**



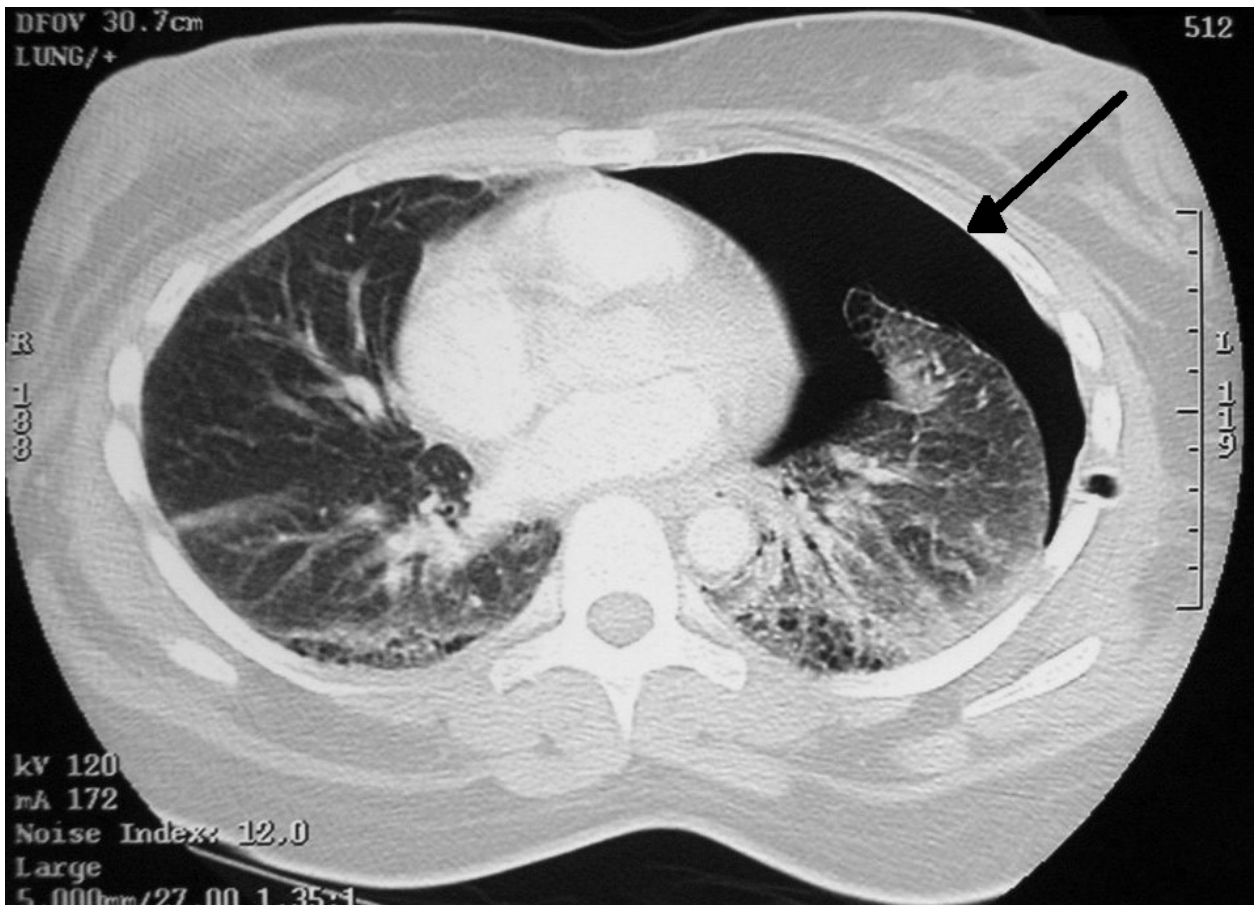
**EKG-ST Elevation**



### EKG-Arrhythmia



### CT SCANS:



Normal CT

