

## Cardiac Myxoma

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- Definition of cardiac Myxoma
- Symptoms
- Diagnosis
- Prognosis
- Complications
- Treatment
- Case presentation

- An atrial myxoma is a benign tumor of the heart, most commonly found within the left and then the right atria on the interatrial septum.

- Myxomas are the most common type of primary heart tumour
- About 75% of myxomas occur in the left atrium of the heart, usually beginning in the wall that divides the two upper chambers of the heart. The rest are in the right atrium, rarely in the left ventricle. Right atrial myxomas are sometimes associated with tricuspid stenosis and atrial fibrillation.

- Myxomas are more common in women. About 10% of myxomas are passed down through families (inherited), as in Carney syndrome, where several other abnormalities are observed, such as skin myxomas, pigmentation, endocrine hyperactivity, schwannomas and epithelioid blue nevi. Such tumors are called familial myxomas. They tend to occur in more than one part of the heart at a time, and often cause symptoms at a younger age than other myxomas.

## *Symptoms*

- Symptoms may occur at any time, but most often they accompany a change of body position. Pedunculated myxomas can have a "wrecking ball effect", as they lead to stasis and may eventually embolize themselves

- . Symptoms may include

- .Shortness of breath with activity

**Platypnea**:- Difficulty breathing in the upright position with relief in the supine position

Paroxysmal nocturnal dyspnea - Breathing when asleep

**Dizziness**

**Fainting**

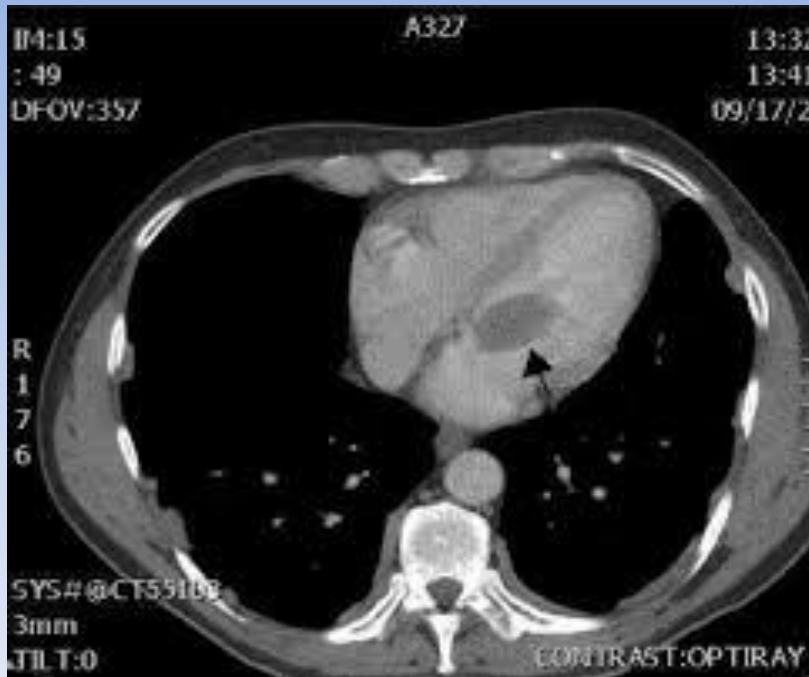
- **Palpitations** :Sensation of feeling your heart beat
- **Chest pain or tightness**
- **Sudden Death (In which case the disease is an autopsy finding)**
- **The symptoms and signs of left atrial myxomas often mimic mitral stenosis. General symptoms may also be present, such as:**

- Pulmonary edema, as blood backs up into the pulmonary artery, after increased pressures in the left atrium and atrial dilation

- Fever
- Cough
- General discomfort
- Joint pain
- Swelling .any part of the body
- Para systolic heart murmur
- These general symptoms may also those of infective endocarditis

- **Diagnosis**
- Echocardiogram and Doppler study
- Chest X-ray
- Heart MRI
- CT –scan of the chest
- Right & Left Heart angiography
- ECG –may show AF





## Complications

- Arrhythmias
- Pulmonary edema
- Peripheral emboli
- Blockage of mitral heart valve
- Stroke
- Fusiform cerebral aneurysm

## Prognosis

- Although a Myxoma is not cancer .complications are common .Un treated Myxoma can lead to an embolism
- If tumor grows inside the heart .it can block blood flow through the mitral valve and cause symptoms of mitral stenosis or mitral regurgitation .this may require to emergency surgery to prevent sudden death

## Treatment

- The tumor must be surgically removed .some patient will also need their mitral valve replacement
- This can be done during the same surgery
- Myxomas may come back if surgery did not remove all the tumor cells .





- **Case presentation**

- Female patient
- 57 years

Clinically came by chest discomfort and palpitation  
after make ECG it shows an atrial fibrillation

Echo cardiogram showing large LT atrial myxoma

Lt heart angiogram showing large mass taken blood  
flow from atrial branch

