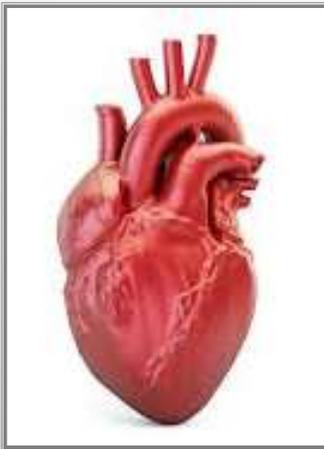


# CHAPTER 10



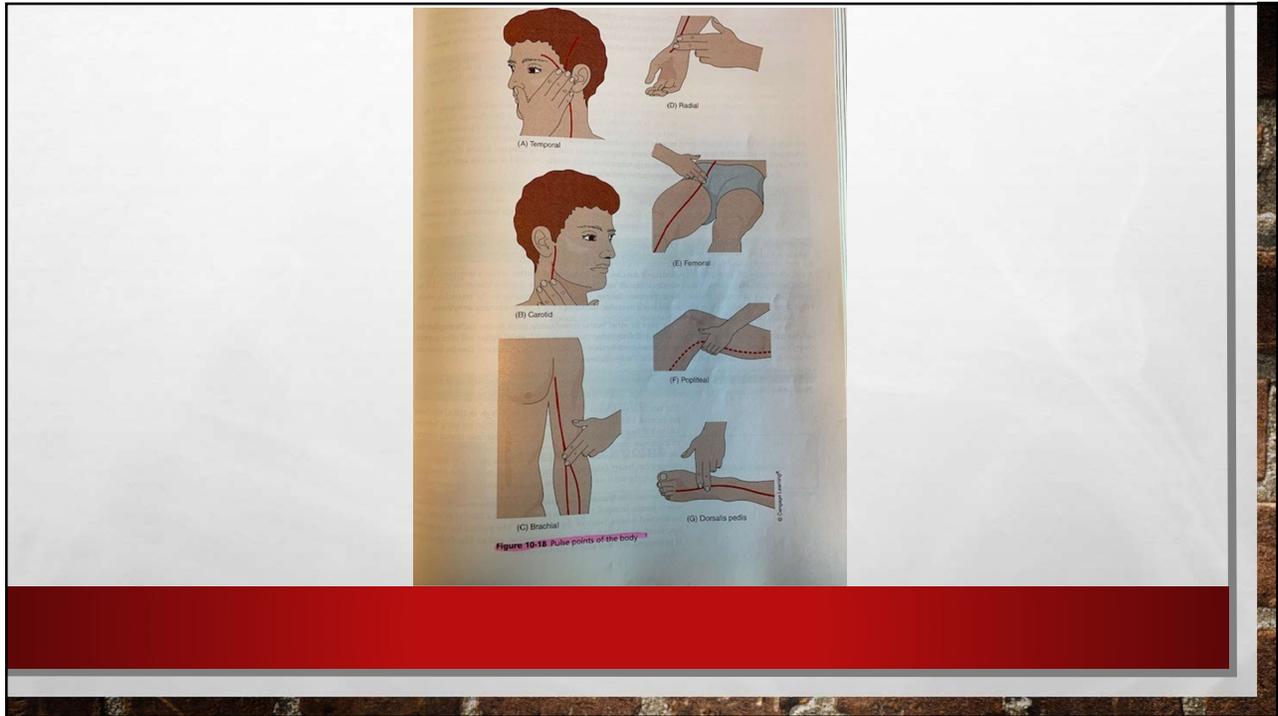
1

## BLOOD FLOW THROUGH THE HEART



**SUPERIOR & INFERIOR VENA CAVA → RIGHT ATRIUM →  
TRICUSPID VALVE → RIGHT VENTRICLE →  
PULMONARY VALVE → RIGHT & LEFT PULMONARY ARTERIES →  
LUNGS → PULMONARY VEINS → LEFT ATRIUM →  
MITRAL (BICUSPID) VALVE → LEFT VENTRICLE →  
AORTIC VALVE → AORTA → ALL BODY PARTS**

2



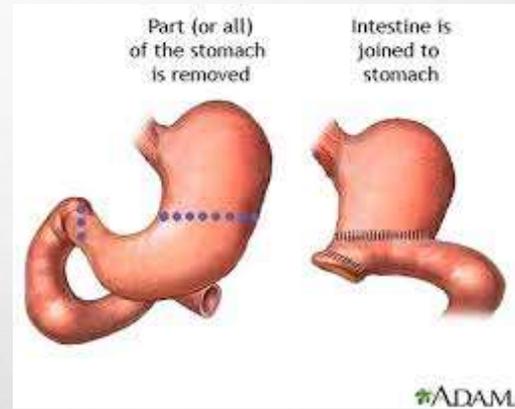
3

# ANALGESIC

The image features a cluster of several red and blue capsules. One capsule in the foreground is positioned horizontally and has the word "ANALGESIC" printed in white capital letters on its blue half. Below the cluster, a small watermark reads "shutterstock.com · 396863362".

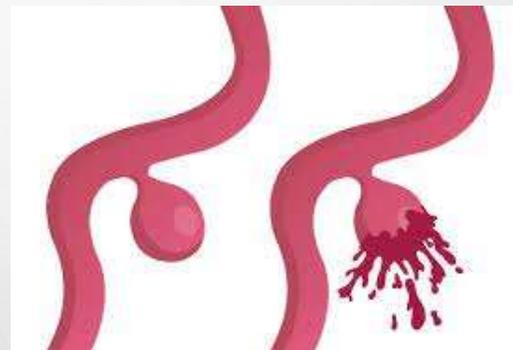
4

# ANSTOMOSIS



5

# ANEURYSM



6

**ANOMALY**



7

**ARTHRALGIA**



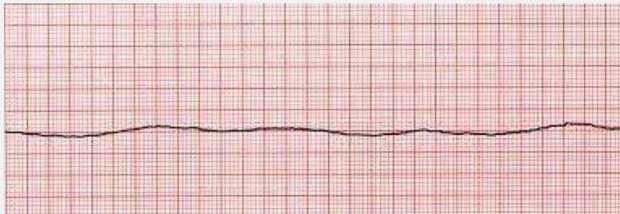
8

# ASCITES



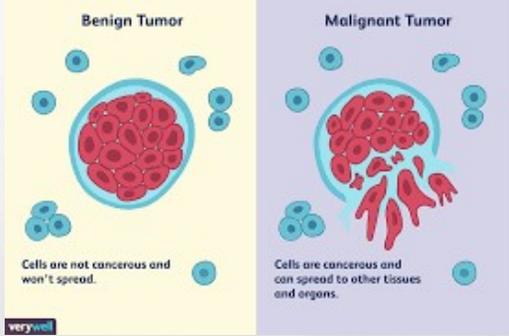
9

# ASYSTOLE



10

# BENIGN



**Benign Tumor**  
Cells are not cancerous and won't spread.

**Malignant Tumor**  
Cells are cancerous and can spread to other tissues and organs.

verywell

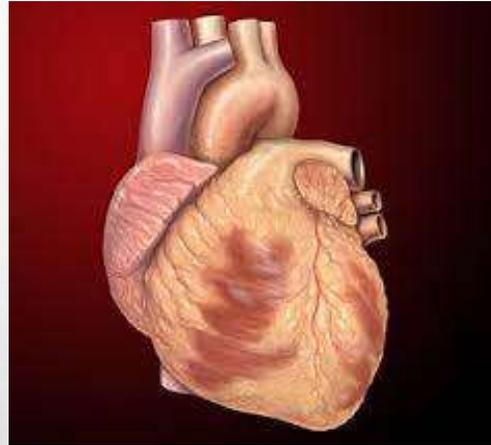
11

# CARDIOLOGIST



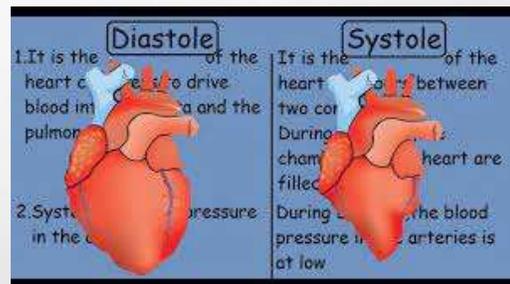
12

# CARDITIS



13

# DIASTOLE



14

**DYSRHYTHMIA**

A hand holding a black marker is drawing a red ECG line on a white surface. The line starts with a regular rhythm and then transitions into a highly irregular, chaotic pattern, representing a cardiac dysrhythmia.

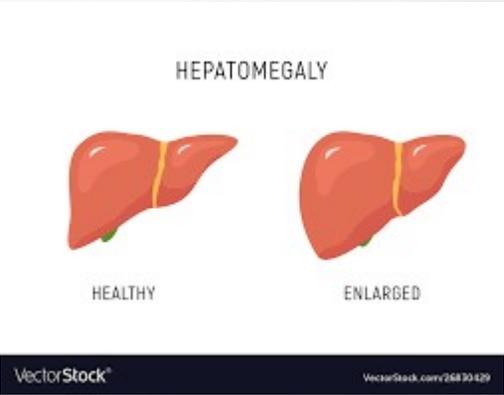
15

**EDEMA**

A photograph of a person's lower legs and feet. The right leg appears normal, while the left leg is significantly swollen, particularly around the ankle and lower calf, illustrating the condition of edema.

16

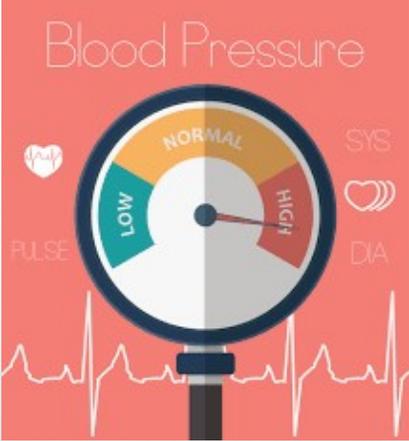
# HEPATOMEGALY



The diagram, titled "HEPATOMEGALY", shows two liver illustrations. The one on the left is labeled "HEALTHY" and is a standard size. The one on the right is labeled "ENLARGED" and is significantly larger. The background of the diagram is white with a dark red border at the bottom. VectorStock watermarks are visible at the bottom of the diagram.

17

# HYPERTENSION



The diagram, titled "Blood Pressure", features a circular gauge with three colored zones: "LOW" (green), "NORMAL" (yellow), and "HIGH" (red). The needle points into the "HIGH" zone. To the left of the gauge is a heart icon and the word "PULSE". To the right are the abbreviations "SYS" and "DIA" with heart icons. Below the gauge is a white ECG line on a red background.

18

# HYPOTENSION



HYPOTENSION

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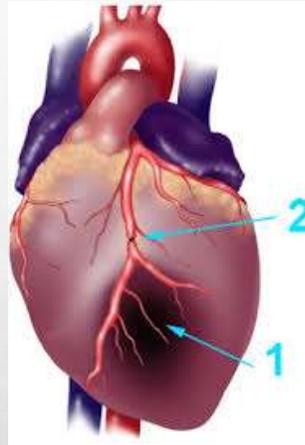
19

# HYPOXEMIA



20

# INFARCTION



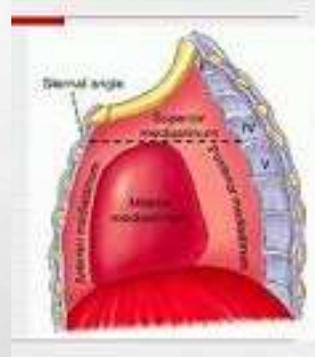
21

# ISCHEMIA



22

# MEDIASTINUM



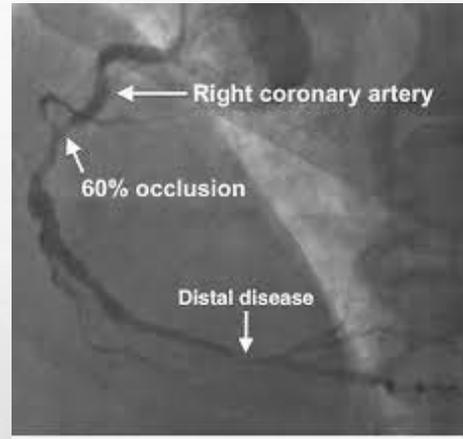
23

# MURMUR



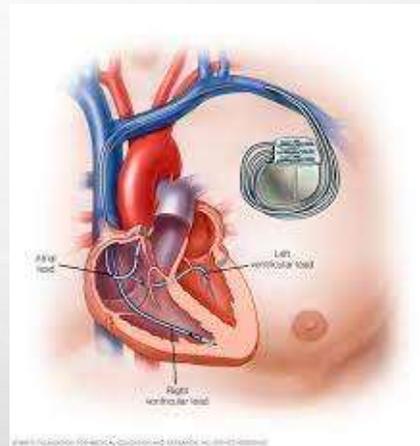
24

# OCCCLUSION



25

# PACEMAKER



26

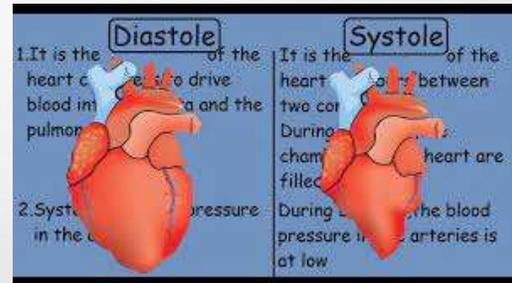


27

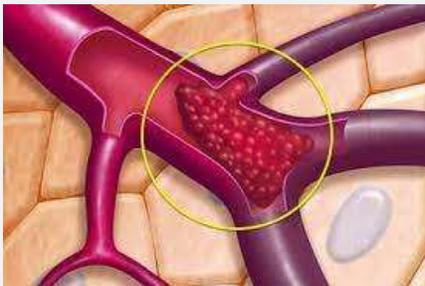


28

# SYSTOLE



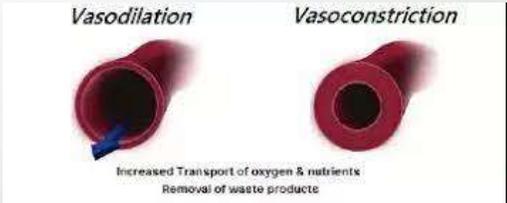
29



# THROMBOSIS

30

**VASOCONSTRICTION**



*Vasodilation*      *Vasoconstriction*

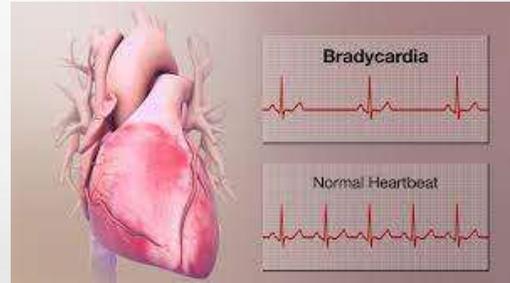
Increased Transport of oxygen & nutrients  
Removal of waste products

31

**WORD ELEMENTS  
KNOW ALL**

32

# BRADYCARDIA



33

# CYANOSIS



34

# DYSPNEA

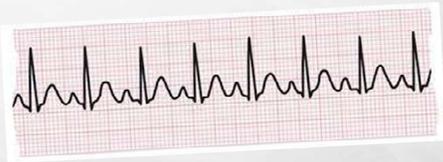


DYSPNEA

The illustration shows a person in a blue shirt and brown pants, appearing to be in distress. They are surrounded by three circular inset images: one showing the person coughing, another showing them looking up with a pained expression, and a third showing them holding their chest. To the right, a separate circular inset shows a person in a green shirt drinking from a water bottle.

35

# TACHYCARDIA

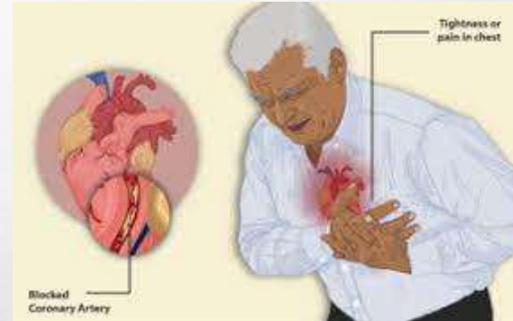


TACHYCARDIA

The ECG strip shows a regular rhythm with a significantly increased heart rate, characteristic of tachycardia. The strip is placed on a white background that is tilted slightly to the right. Below the text, there is a red banner with a black star icon.

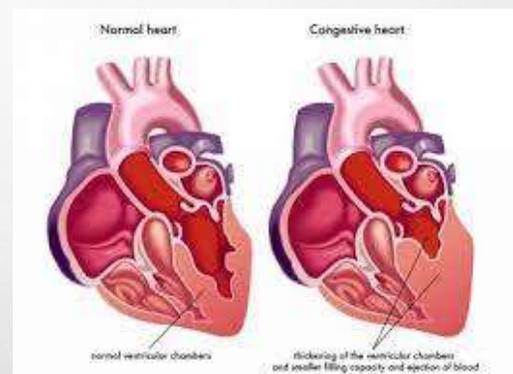
36

# ANGINA PECTORIS



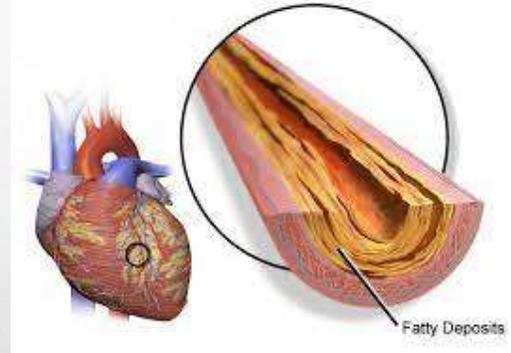
37

# CONGESTIVE HEART FAILURE



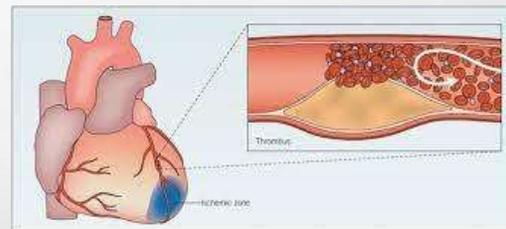
38

# CORONARY ARTERY DISEASE



39

# MYOCARDIAL INFARCTION



40

# ARRHYTHMIAS

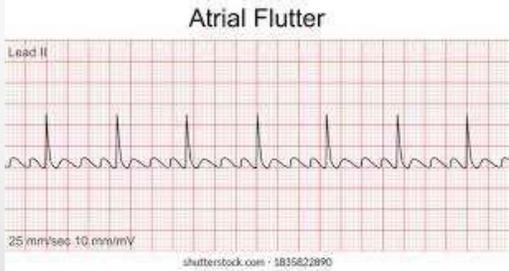


Diagnosis of Atrial Flutter (ECG, 12-lead)

This ECG strip displays multiple leads (I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6) showing a regular, narrow QRS tachycardia with a rate of approximately 150-160 bpm. The rhythm is characteristic of atrial flutter, with a sawtooth pattern of the P waves.

41

# ATRIAL FLUTTER



Atrial Flutter

Lead II

25 mm/sec 10 mm/mV

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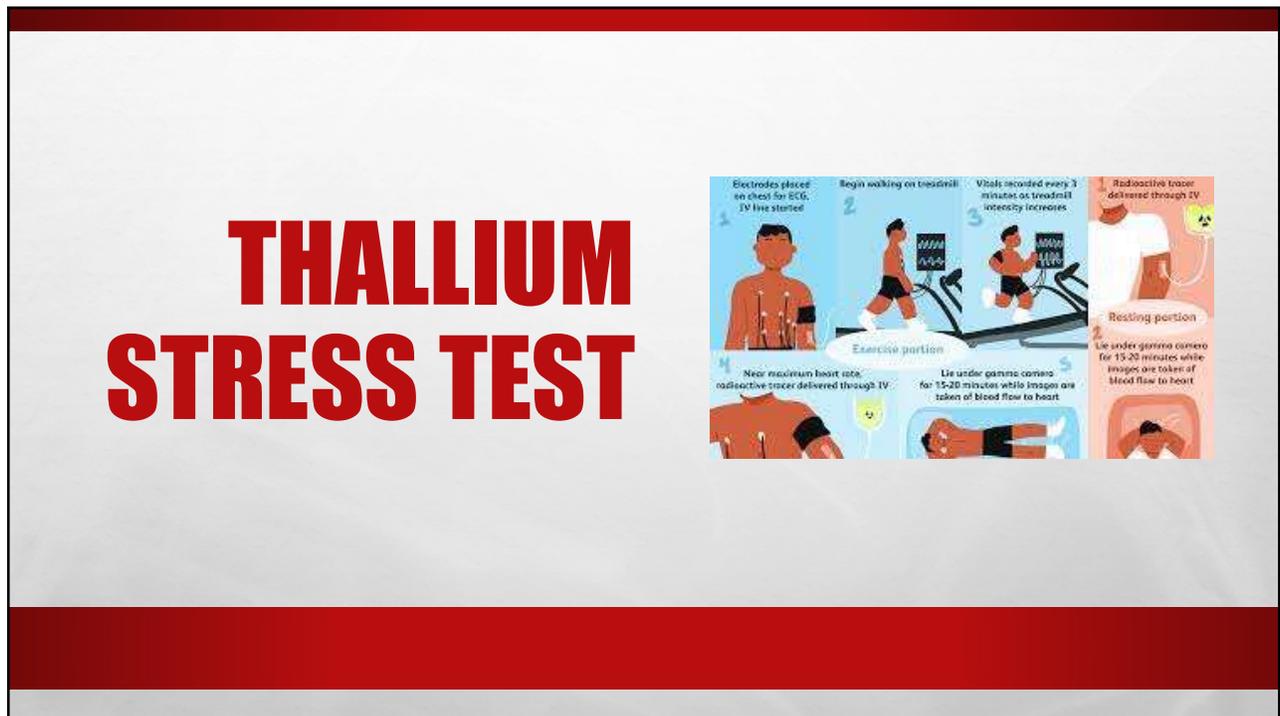
This ECG strip shows a single lead (Lead II) with a regular, narrow QRS tachycardia. The rhythm is characteristic of atrial flutter, with a sawtooth pattern of the P waves. The rate is approximately 150-160 bpm.

42





45



46

## ABBREVIATIONS

**A fib**

**AV**

**BP**

**CABG**

**CAD**

**Cath**

**CCU**

**CHD**

**CHF**

**CPR**

**DVT**

**MI**