

# EKG LEADS

## & CORONARY ARTERY DISEASE

Developing ST depression 20-30% in 2 leads in 2-3 leads indicates myocardial ischemia.  
 ST depression 3 leads in 2-3 leads = **INSTEPI** (30% mortality in 30 days)

ST depression, observed in the leads secondary to acute MI likely to represent regional changes in a **STEMI**

**Q WAVES** represent total L → R depolarization of the septum, and are seen in II, III, aV<sub>6</sub>, & V<sub>6</sub>, and may not be deep in III & aV<sub>6</sub>, should never be seen in V<sub>1</sub>, V<sub>2</sub>, or V<sub>3</sub> → may represent current or prior ischemia. If 3mm wide, 2mm deep, 30% of QRS, or seen in V<sub>1</sub>, V<sub>2</sub>, V<sub>3</sub>

## WOLLEN'S SYNDROME

deeply measured or high R/T waves  
 Anterior V<sub>2</sub> V<sub>3</sub>  
 highly specific for proximal disease of **LAD**  
 high risk for massive anterior MI days to weeks later

## LCA OCCLUSION

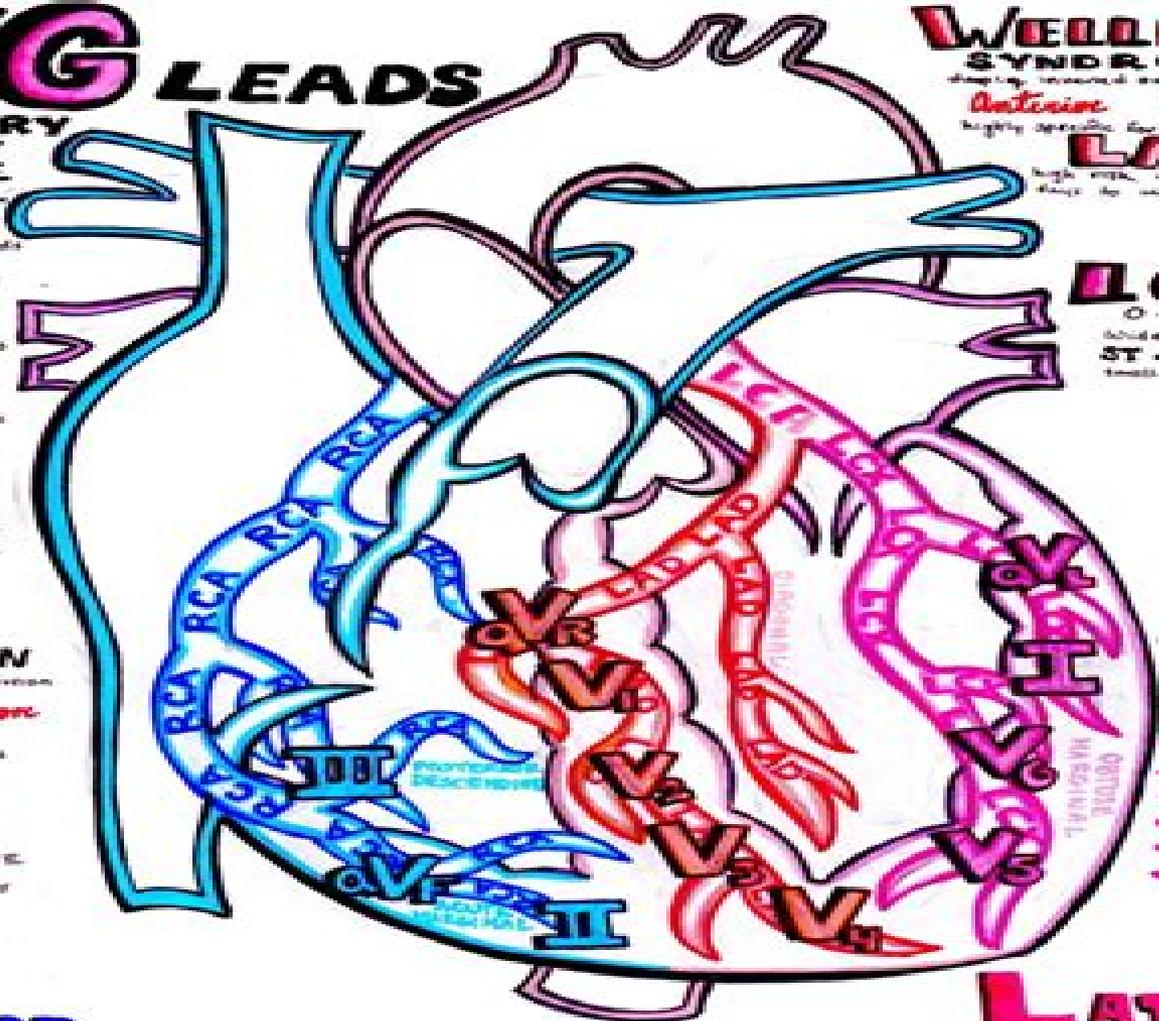
wide spread ST depression  
 ST elevation in aV<sub>1</sub>, aV<sub>2</sub>, aV<sub>3</sub>  
 tall Q waves in V<sub>1</sub>, V<sub>2</sub>

## LV STRAIN

ST depression & T wave inversion  
**Lateral**  
 • HYPERTENSION  
 • AORTIC STENOSIS  
 • AORTIC REGURITATION  
 • MITRAL REGURITATION  
 • COARCTATION OF AORTA  
 • HYPERTROPHIC CARDIOMYOPATHY

## RV STRAIN

ST depression & T wave inversion  
**Inferior & Anterior**  
 • PULMONARY HYPERTENSION  
 • MITRAL STENOSIS  
 • PULMONARY EMBOLISM  
 • CHRONIC LUNG DISEASE  
 • CONGENITAL HEART DISEASE  
 • RV CARDIOMYOPATHY



## INFERIOR RCA

Right Ventricle  
**FREE WALL**  
**III aV<sub>6</sub> II**

Inferior Reciprocal leads → **I aV<sub>2</sub>**

## ANTERIOR LAD

Right Ventricle  
**SEPTUM**  
**aV<sub>1</sub> V<sub>1</sub> V<sub>2</sub> V<sub>3</sub>**  
 Left Ventricle  
**SEPTUM (ANTERIOR)**  
**V<sub>4</sub>**

## LATERAL LCX

Left Ventricle  
**FREE WALL**  
**V<sub>5</sub> V<sub>6</sub> I aV<sub>2</sub>**

Lateral Reciprocal leads → **II aV<sub>F</sub> III**

# Cardiology Color Guide

**EW Minium**



## **Cardiology Color Guide:**

## **Cardiology Color Guide** Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the energy of words has are more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such could be the essence of the book **Cardiology Color Guide**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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