

12 Lead Contiguous Leads - Septal Wall MI

In a the 12 contiguous leads of an ECG, the septal leads are V1 and V2. Thus, with a septal wall myocardial infarction, we see ST-segment changes and elevation in leads V1 and V2. Septal infarcts stem from insult to the left anterior-descending coronary artery (LAD).

I: Lateral	aVL: None	V ₁ : Septum	V ₄ : Anterior
II: Inferior	aVL: Lateral	V ₂ : Septum	V ₅ : Lateral
III: Inferior	aVF: Inferior	V ₃ : Anterior	V ₆ : Lateral

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Elevated Leads

Lead V1

V (1) Wand

V1 is a septal lead, and with septal wall infarctions, there are ST-segment changes seen on ECG.

Lead V2

V (2) Tutu

On ECG, we see ST-segment changes on lead V2 with septal wall infarcts. Lead V2 is known as a septal lead.

Artery Affected

Left Anterior Descending (LAD)

LED LAD

The left anterior descending coronary artery, or LAD, is also termed the "widow maker," because it supplies 45-55% of the left ventricle. Occlusion of this artery can lead to septal wall infarct.