Jim Lockard, EMT-P, AAS

Rolling it out over multiple months through 2014

20-30 Minute Sessions

Session One "The Starting Point"



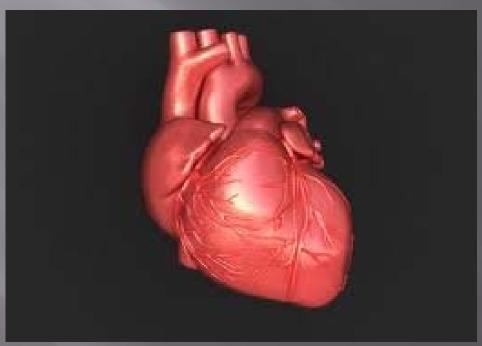
Would you buy this car based on this picture alone?

- Nothing new in the hospital
- Very new to EMS (varying definitions of "ECG Competent.")
- Commonly neglected in Paramedic programs
- Some smart people got involved
- Eventually led to "Cardiac Triage" here at Medic

What have we learned?

- STEMI vs. non-STEMI
- Helps us develop a treatment plan to best suits the patient's needs
- Getting the patient to the proper hospital "Cardiac Triage"
- Other benefits (identifying select rhythms)

The "Old School Way"







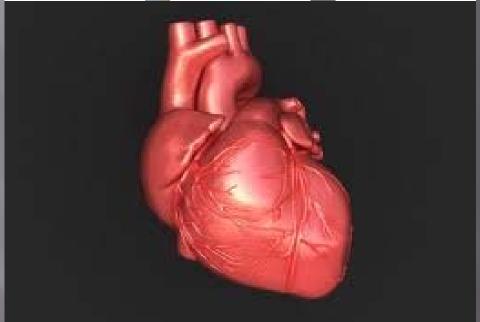
























Which Patients Should Get a 12 Lead?

We will never tell you not to get a 12 lead!!!

Which Patients Should Get a 12 Lead?

Ask yourself this questions:

- Will a 12 lead ECG influence how I manage my patient?

Which Patients Should Get a 12 Lead?

- * Abnormal rhythm noted on 4-lead ECG
- * Electrical injuries
- * Suspected tricyclic antidepressant overdose
- * Symptoms suspected of cardiac etiology
- * Syncope

Which Patients Should Get a 12 Lead?

Acute Coronary Syndrome (ACS):

Chest Pain?

Pale?

Diaphoresis?

Back Pain?

Abdominal Nausea/Vomiting?

Pain?

Syncope?

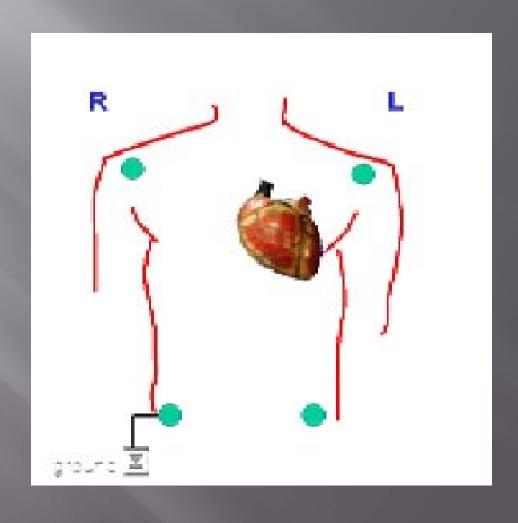
Dyspnea?

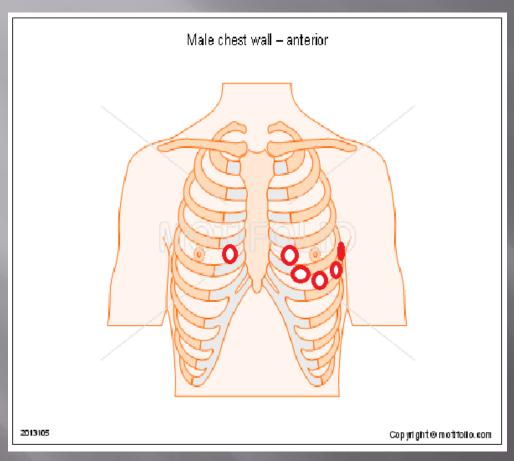
Arm/Neck/ Jaw Pain?

I have decided to get a 12 Lead

Per Dr. Swanson, if a 12 lead ECG is obtained on a patient for any reason, a Paramedic must accompany that patient to the hospital.

Limb Leads





V1 – 4th Intercostal Space (R)

Sternum

V2 – 4th Intercostal Space (L)

Sternum

V4 – 5th IC Space Mid Clavicular

V3 - In between V2 and V4

V6 - 5th IC Space Mid Axillary

V5 - In between V4 and V6



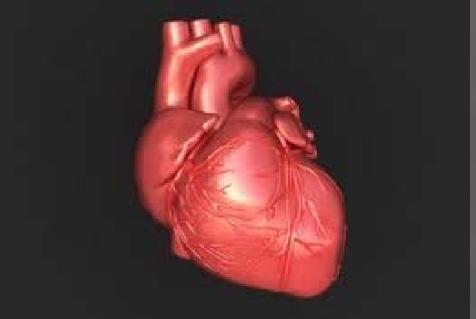














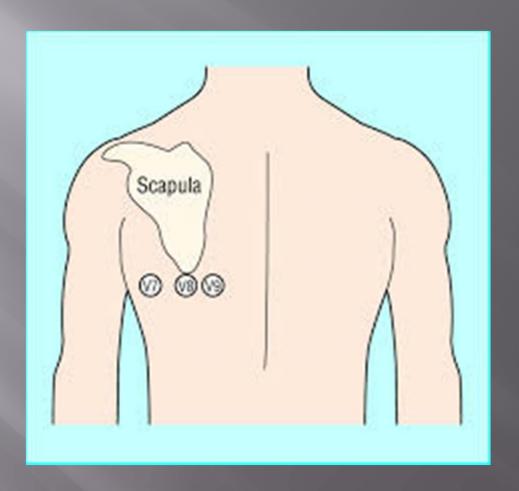




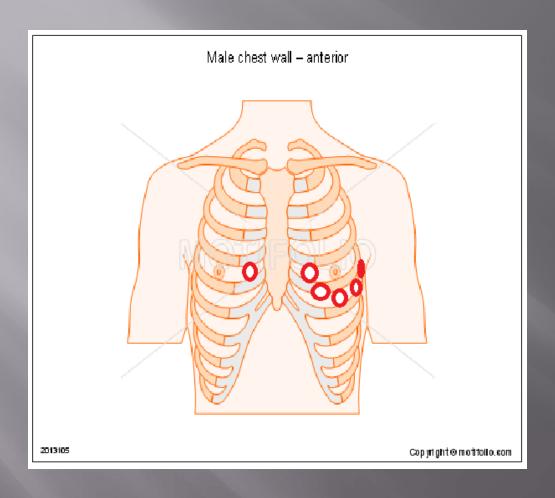




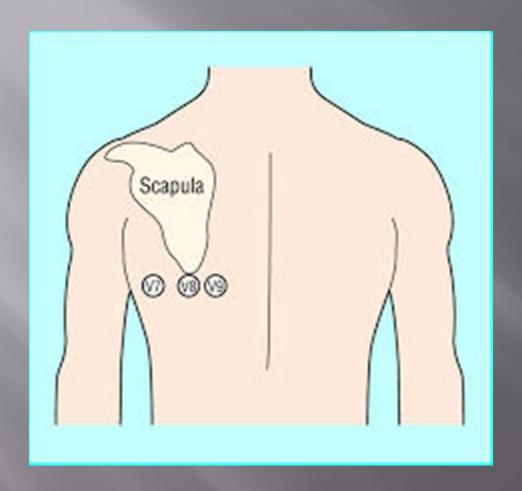




Posterior View



Remove Leads V4, V5, and V6 wires

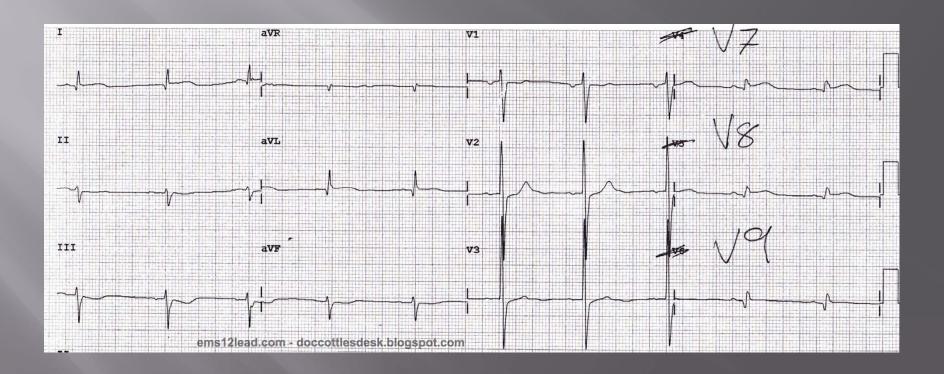


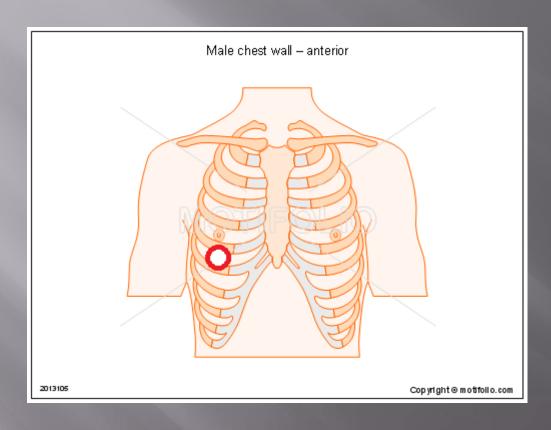
V4 = V7V5 = V8

V6 = V9

Posterior View

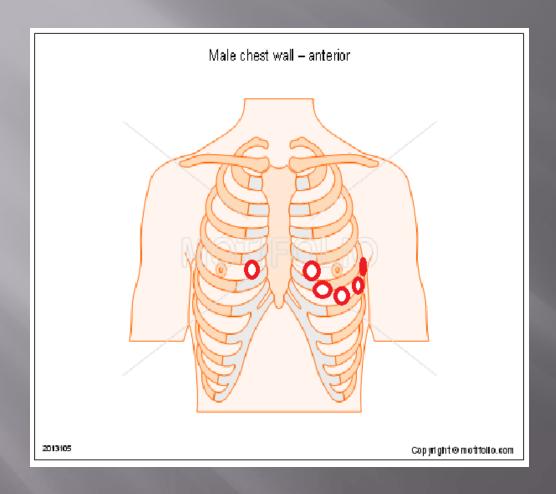
Label V7, V8, and V9 as shown below



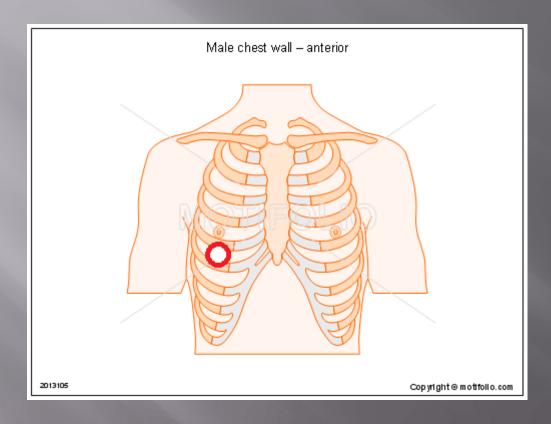


V4R

 Gets a better look the right ventricle and inferior wall



Remove Leads V4

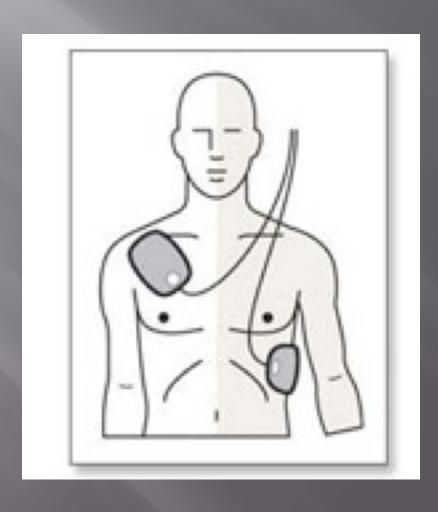


V4 = V4R

Label V4R as shown below



Proactive pad placement



Timelines

Additional Considerations
1. In patient with potential for a
STEMI the goal is to obtain a 12lead ECG within 8 minutes of
arrival on scene



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Data Entry

What do I need to enter?

- Call number (last three digits)
- Patient's age
- Patient's gender

*Does the age you enter into the monitor influence the computer's interpretation?

Repeat 12 Lead?

Patients with 12-lead ECG performed at the referring facility do not require additional ECG by MEDIC unless there is a significant change in the patient's clinical status

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Repeat 12 Lead

For scene calls, a repeat 12 lead should be considered when:

- There is a significant change in the patients physical status
- 12 lead appears normal, but patient is symptomatic of a ACS.

Faxing 12 Leads

When to fax:

- STEMI
- Need to consult with MD



Questions?