



PREHOSPITAL 12 & V4R LEAD ACQUISITION					
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Signature:	Comy file				

Purpose: To ensure a consistent standardized practice for the acquisition of prehospital 12 lead and V4R FCGs

V4R	V4R ECGs.					
	Content	Details				
1.	Ensure that the patient qualifies for a 12 Lead ECG as per the <i>Advanced Life Support Patient Care Standards</i>	A12 lead ECG should be acquired prior to the administration of Nitroglycerin (NTG). Acetylsalicylic acid (ASA) should never be delayed.				
2.	Communicate the need for 12 Lead ECG acquisitions, and its effects to the patient/family member whenever possible.	The recommendation that a 12 lead be performed within the first 10 minutes of patient contact is a goal				
3.	Place the patient in a supine (preferred) or semisitting position.	A 12 Lead may be acquired in the patient's position of comfort if the patient cannot tolerate the supine position				
4.	Obtain consent and bare the patient's chest enough to acquire a 12 Lead ECG.	Take all steps necessary and possible to protect the patient's dignity and privacy.				
5.	Prep skin with alcohol or other wipe as necessary. Remove excess chest hair where needed for good contact					
6.	Attach the four limb leads to the patient as per manufacture recommendations. In the event where limb positioning is not possible, paramedics may utilize the Mason-Likar (torso) placement. Paramedics will document the type of placement accordingly on the ECG strip.	RA Anterior Superior Hoe Spire MODIFIED LIMB LEADS PLACEMENT				
7.	Attach the chest leads in the following correct anatomical position: V1–fourth intercostal space to the right of the sternum V2 - fourth intercostal space to the left of the sternum V3 - directly between leads V2 and V4 V4 - fifth intercostal space at left midclavicular line V5 - level with lead V4 at left anterior axillary line V6 - level with lead V5 at left midaxillary line	Mid-clavicular line Anterior axillary line V4 V5 V6 V1 V2 V3				





		Input the patient's demographics and details in the	
	8.	cardiac monitor as per your services requirements	
		and prior to acquisition.	
	9.	Instruct the patient not to move and acquire the 12	Reduce causes of artifact. Stop patient movement.
		Lead ECG.	If in transit, wait for traffic light or other stop.
	10.	If ST segment elevation is present in two anatomically contiguous leads, follow the HSN CPC STEMI Triage Guideline Policy and pre-alert the receiving facility that you transporting a patient suffering a possible acute myocardial infarction (AMI)	Once a STEMI is confirmed, the paramedic should apply defibrillation pads due to the potential for lethal cardiac arrhythmias. If intravenous access is indicated and established as per the <i>Advanced Life Support Patient Care Standards</i> , then the left arm is the preferred site.
	11.	If ST segment elevation is present in the Inferior leads and you're considering Nitro administration in the setting of suspected cardiac ischemia a V4R acquisition is mandatory. Move the V4 chest lead to the following correct anatomical position: V4R - fifth intercostal space at right midclavicular line	
	12.	If a right ventricular myocardial infarction (RVMI) is suspected (ST segment elevation in Lead V4R), NTG may have a negative impact on the patient's condition. As such withhold NTG administration	
	13.	Notify CACC (STEMI ALERT) as soon as a STEMI is confirmed.	
		Provide the receiving facility with a copy of all the 12	Ensure to relabel the V4R ECG correctly.
14.	14.	lead ECG and V4R ECG with the patient's name on	(V4 must be relabeled to V4R)
		it. A copy must also be made available to the Base Hospital (electronically or paper copy)	
		Document the procedure on the patient care record	Provider policy and must include:
		as per the Ministry of Health and Long Term Care	time of 12 Lead ECG acquisition
15_	15.	Emergency Health Services Branch Ambulance Call	results of 12 Lead ECG
	أنن	Report Completion Manual and applicable Service	time of V4R acquisition
			results of V4R ECG
	10	Document patient condition before and after 12 Lead	
	16.	and/or V4R acquisition	
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Expected Outcome: Successfully acquire 12 Lead ECGs including V4R ECG's in the prehospital setting.