

G622: Monitoring the Activity of the Human Body – Worksheet C

Unit Name: Monitoring the Activity of the Human Body	Unit Number: G622
Assignment Title: Electrocardiography	Assignment: G622 Worksheet C
Date Set:	Due Date:

Vocational Brief:

Find out what you can about the technique of electrocardiography and the way it may be used in diagnosis. By the end of this task you should be able to recognise ECG traces for normal and abnormal heart activity and give a simple explanation as to what they indicate.

Task:

Produce an illustrated report on the use of electrocardiography in the investigation of cardiovascular function.

Your report should include:

- an explanation of what an electrocardiogram is
- an explanation of when electrocardiography is used
- a diagram or photograph of the equipment used
- a diagram showing placement of cardiographic electrodes on patient
- a graph showing a classical, normal, labelled ECG trace to include the following elements: P wave, PR interval, QRS complex, QT interval and T wave
- a simple explanation of the elements of an ECG trace
- examples of ECG traces for normal heart, tachycardia, bradycardia, sinus arrhythmia and ventricular fibrillation.

Resources / Notes:

- http://hcd2.bupa.co.uk/fact_sheets/html/electrocardiogram.html