

## CIPHER ECG Crammer

### About the course

This programme has been written to meet the needs of student and newly registered Paramedics and Nurses, Emergency Medical Technicians, Voluntary Aid Society Responders, Health Care Assistants and anyone with a personal or professional interest in expanding their knowledge of ECG capture and interpretation.

The course will be of particular interest to Registered Health Professionals such as Pharmacists and Physiotherapists entering the urgent or primary care sectors with a responsibility for assessing, referring, treating or discharging service users with medical conditions.

This intensive 1-day course will offer delegates the ability to confidently recognise normal and abnormal 12 lead ECGs, successfully interpret and diagnose many common arrhythmia and conditions, and improve patient safety by ensuring those undertaking 12 lead capture and/or interpretation appropriately treat, refer or seek senior support.

### Entry Requirements

Delegates should be employed in a healthcare field, voluntary aid sector, or studying towards a healthcare qualification with a responsibility for capturing and/or interpreting 12 lead ECGs.

Delegates should be familiar with the basic anatomy and physiology of the heart.

### Certification

On completion of the course delegates will be issued with a certificate of attendance.

### Content

- ❖ The systematic approach to 12 lead ECG interpretation
- ❖ History taking and clinical examination findings
- ❖ The ECG in Acute Coronary Syndromes (ACS)
- ❖ Arrhythmia recognition and management
- ❖ Subtleties and pitfalls

## Course Programme

0830-0900	Coffee and Registration
0900-0915	Introduction
0915-0945	A look at fundamentals- Electrical conduction in the heart, lead placement, ECG paper, print speeds, measurement of rate.
0945-1030	Cardiac axis
1030-1050	Break- Tea and Coffee
1050-1130	Systematic interpretation of the normal ECG
1130-1150	Life threatening conditions- VF, Asystole, PEA, agonal rhythm
1150-1230	Tachyarrhythmia- Sinus tachycardia, Supraventricular Tachycardia (SVT), Ventricular Tachycardia (VT), Torsades de Pointes (TdP)
1230-1300	Lunch
1300-1320	Atrial fibrillation (AF), Atrial Flutter
1320-1400	Bradyarrhythmia and heart block recognition- Bradycardia (normal or abnormal), 1 <sup>st</sup> degree block, 2 <sup>nd</sup> degree (Mobitz type I and II) blocks, 3 <sup>rd</sup> degree block.
1400-1430	Acute Myocardial Infarction
1430-1445	Break- Tea and Coffee
1445-1515	Acute Myocardial Infarction
1515-1545	Bundle Branch Blocks- Left and Right
1545-1600	Pericarditis
1600-1700	Case studies and self-test
1700	Summary and close