

# ECG Interpretation

This education programme aims to enhance nurses' knowledge of cardiac electrophysiology. It will provide participants with knowledge of cardiac rhythms, rhythm analysis and Electrocardiography (ECG) interpretation. The programme will explore the monitoring for arrhythmias and such topics as sinus rhythm, sinus bradycardia, atrial flutter, atrial fibrillation and Av block among many others. The programme will also cover interpretation of P Wave, QRS Complex, ST Segment, T Wave and explain how to identify abnormal features. The 3 lead, 5 lead and 12 lead ECG will be explained and illustrated with examples. Instruction will be provided on lead placement, bipolar and unipolar lead, lead position and artery supply, as well as how to systematically read an ECG. The programme will combine theory as well as allowing an opportunity for practising interpretation through use of a workbook.

## Outline of Day

*Note: Category 1 Approved by Nursing and Midwifery Board of Ireland (NMBI)*

09.15	Registration
09.30	Introduction and Identification of Personal Learning Objectives
09.50	Revision of Cardiac Anatomy and Physiology
10.00	Introduction to Cardiac Monitoring
11.00	Tea / Coffee
11.30	Cardiac Rhythms
12.30	Rhythm Analysis Workshop
13.15	Lunch
14.00	Introduction to 12 Lead ECG (Acute Coronary Syndrome)
15.15	ECG Workshop
16.00	Questions and Evaluation
16.15	Close

## Aims and Objectives

- To update the nurse on the delivery of quality care for individuals with cardiac disease.
- To promote a high standard of patient care to individuals with ECG disturbances.
- To improve knowledge as per national and international guidelines.
- To promote the advancement of cardiac care through education and continuing professional development.

**Note:** It is advisable to complete the 'Nursing the Cardiac Patient' course prior to registering for this programme

### Sample Reading List

- Crawford, J. and Doherty, L. (2010) 'Ten steps to recording a standard 12- lead ECG', *Practice Nursing*, 21(12), pp. 622-630.
- Regan, C. and Regan, M. (2014) 'ECG of the month', *British Journal of Cardiac Nursing*, 9(3), pp. 111-122.
- Yaldren, J. and Richley, D. (2014) 'Accurate measurement and assessment of the QT interval', *British Journal of Cardiac Nursing*, 9(3), pp. 137-141.

For more information on this course or to enrol, contact the INMO Professional Development Centre by phone on 01 6640641/2, email [pdcc@inmoprotessional.ie](mailto:pdcc@inmoprotessional.ie), or visit <https://inmoprotessional.ie>