



4 CPD
HRS

21/06/2024
Gold Coast

Interpretation of 12-Lead ECG Workshop



NURSES FOR NURSES | HEALTH ED. PROFESSIONALS

SYNOPSIS

This workshop's content is considered essential knowledge for any nurse working in the areas of ward telemetry, coronary care, critical care and emergency nursing. It also applies to the ward nurse wanting to upskill their knowledge of interpreting arrhythmias.

Understanding the 'famous five' basics of ECG interpretation will significantly aid the nurse in recognising any deviation from the normal. Midwives are also encouraged to attend this workshop as it will address the presentation of a condition called SCAD that can occur in the post-partum period with no traditional risk factors.

This short workshop emphasises how to interpret a myocardial infarction on a 12-lead ECG. Without other information taking away from this essential skill. Applicable for the nurse who only wants to upskill or learn to accurately and quickly how to recognise a myocardial infarction. This workshop will explore how early diagnosis leads to timely treatment and reperfusion of the occluded coronary artery.

LEARNING OUTCOMES

At this workshop, you will:

- Describe how to work out the essential parameters: PR interval, QRS width, QT interval and relate this to the 'famous five' technique of rapid interpretation.
- Identify the two most common myocardial infarctions: anterior and inferior
- Understand the significance of new Q waves and ST elevation on a 12 lead ECG
- Explain the significance of performing a 12 lead ECG on a woman with chest pain in the post-partum period.

YOU WILL LEARN

- How to recognise an acute myocardial infarction on a 12 lead ECG
- How to quickly analyse a rhythm strip using the 'famous five' analysis hints
- How to differentiate between ST elevation, ST depression and T wave inversion
- Recognise how angina presents on a 12 lead ECG
- Demonstrate how to interpret on a 12 lead ECG an acute anterior or inferior STEMI in three steps
- Demonstrate how to perform a 12 lead ECG accurately

OUR PRESENTER

Anne Evans-Murray

R.N., BHLthSc, MACCCN, Grad.Dip Ed, MEd, Dip Counselling, GradCertCritCare, CertIV Training & Assessment, CertIV in Mediation

Anne has a passion for teaching, which she does in an unpretentious way that ensures you will understand and retain what she presents and enjoy this learning experience. She has extensive experience, over 26 years lecturing for Gold Coast Health District and Griffith University. Currently, she is a guest lecturer at Bond University medical school.

Anne is a frequent presenter at workshops, conferences & seminars throughout Australia & New Zealand on subjects such as high dependency nursing, cardiac arrhythmias & ECG interpretation, chest x-rays interpretation, clinical assessment of the deteriorating patient, assertion training and leadership.

She conducts accredited advanced life support training for nurses, doctors, and paramedics. Anne is passionate about empowering all clinical staff through increased awareness and knowledge of the critically ill patient's condition so that timely intervention is implemented, which will benefit patient outcomes.

She is the author of three books: "ECGs Simply", "Interpretation of Chest X-rays Simply" and 'Uncomplicating Life, Simply'. Her ECG book is a textbook sold in many universities in Australia.

THE PROGRAM | 0800 – 1230 | MORNING TEA WILL BE PROVIDED

0800 – 0815 **Welcome to Conference**
Housekeeping and the week's program

0815 – 0915 **Interpretation of the Foundations of Sinus Rhythm**
In this session the presenter is going to discuss how to quickly assess for the 5 principals of sinus rhythm.

Reinforcing we must have an understanding of the normal prior to exploring the abnormal. We will examine how to identify the three essential parameters (values) that assist with analysis of a rhythm strip and relate this to the 'famous five' technique of rapid interpretation prior to examining the 12 lead ECG.

0915 – 1100 **Interpretation of a 12 Lead ECG: Recognition of a Myocardial Infarction**
Aimed at empowering nurses to interpret signs on a 12 lead ECG which indicate an acute myocardial infarction.

The two following sessions are the focus for this short workshop. The presenter will review the importance of examining the 12 lead ECG for Q waves and ST elevation with emphasis on the presentation of an acute myocardial infarction.

1100 – 1230 **Interpretation of a 12 Lead ECG: Recognition of a Myocardial Infarction using the Three Step Method**
The session will focus on how to interpret the 12 lead ECG interpretation in relation to identifying changes related to acute coronary syndrome: ST Elevated Myocardial Infarction (STEMI) and Non-ST Elevated Myocardial Infarction (NSTMI).

It is essential knowledge not only for critical care and emergency nurses but especially for empowering ward nurses to speak with knowledge and understanding of the Acute Coronary Syndrome and intervene with assisting with timely interventions. The content will consist of both an acute inferior and anterior ST Elevation myocardial infarctions.

The presenter will highlight the importance of emergency nurses, cath lab nurses and midwives having understanding of a condition called spontaneous coronary artery dissection (SCAD) which is more common in woman. When it occurs, it is often found in late pregnancy or early post-partum period.

THE VENUE

Parkwood Tavern
Cnr Olsen Ave and Wintergreen Drive, Parkwood

CONFERENCE REGISTRATION COST

\$260 incl GST
(NB: Price does not include accommodation or travel costs)

WHAT'S INCLUDED

- A workshop program based on current best practice
- A Presenter who is a recognised expert in her field and is excited to be able to share her skill, knowledge, and passion with Conference Attendees
- A workshop pack that includes a notepad, pen, and additional information to support a fantastic workshop experience
- A delicious afternoon tea
- A workshop transcript that identifies each session including the session synopsis and session presenter
- A Certificate of Completion identifying the CPD hours for you to include in your CPD Evidence Portfolio

The Nurses for Nurses Network strongly recommends customers take out travel insurance at the time of registration for an event, to cover any unforeseen circumstances that may prevent them from attending and thus incur any financial loss.

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