

CARDIAC ECG INTERPRETATION & TELEMETRY



**12 CPD
HOURS**



The Gold Coast
03-04 Feb 2025



WHAT THIS EVENT IS ABOUT

The growth of telemetry in both specialist units and general ward situations has heightened the Nurse's responsibility to ensure their knowledge regarding cardiac arrhythmias and ECG interpretation is current and reflects best practice guidelines.

The content covered in this seminar is considered essential knowledge and clinical competence of any Nurse working in the areas of ward telemetry, coronary care, critical care, and emergency nursing. It is also key information for the Nurse working in other clinical areas who is wanting to upskill their knowledge on the interpretation of arrhythmias.

Understanding of the foundation of electrophysiology and the three parameters of measurements will aid the Nurse in recognition of any deviation from the normal cardiac rhythm.

"The fear and uncertainty of reading ECGs and telemetry is something I don't need to feel anymore, now I have the confidence to apply Anne's Famous 5 step process to interpret heart rhythms. If you feel anxious when faced with an ECG or telemetry monitor then this course will change all that!"

- Jodie, Telemetry and ECG Interpretation, The Gold Coast 2023

LEARNING OUTCOMES

At this event, you will:

- Identify the three essential parameters (values) that assist with analysis of a rhythm strip.
- Demonstrate how to work out these three parameters: PR interval, QRS width, QT interval.
- How to interpret a 12 lead ECG
- Explore the additional clinical scenarios of a drug overdose and post myocardial infarction and what the Nurse would observe on a rhythm strip of that patient.



YOU WILL ALSO LEARN

- The cardiac complex: waves, segments, and timing intervals
- The foundation of interpretation of sinus rhythm
- The presentation and pathophysiology of atrial fibrillation
- Two potentially life-threatening complications of atrial fibrillation
- Interpretation of PEA (Pulseless electrical activity) and VT (Ventricular tachycardia)
- The treatment of PEA and VT according to the Australian and New Zealand Committee of Resuscitation guidelines (ANZCOR)
- The importance of assertive communication in getting the best outcome for your patient
- The warning signs of impending cardiac arrest on the telemetry monitor
- The R on T phenomenon
- Sudden cardiac death in the youth
- Hereditary Long QT interval syndrome
- How a patient with acute coronary syndrome (ACS) presents and the gender issues on presentation
- The common errors that are made in performing a 12 lead ECG

- The difference between angina, anterior and inferior MI on the 12 lead ECG
- Wellen's syndrome
- SCAD – Spontaneous coronary artery dissection
- The presentation of Takotsubo syndrome
- The recognition of a paced rhythm
- The three common tachycardias seen on telemetry:
 - Sinus tachycardia
 - Supraventricular tachycardia
 - Ventricular tachycardia

DETAILED ITINERARY

DAY ONE:



0830 – 0900: Seminar Registration and Welcome

0900 – 1030: Foundational Principles of ECG Monitoring in Critical Care and Ward Telemetry Units

This session is vital to the understanding of electrophysiology, it is the foundation for interpretation of arrhythmias and essential knowledge for all critical, coronary care and ED Nurses. It is also now a requirement for all Nurses working in telemetry units.

1030 – 1100: Break

1100 – 1200: Atrial Fibrillation

Atrial Fibrillation is now the most common arrhythmia in the community and associated with high admission rates and complications. This session is aimed at recognition of AF and understanding of the serious complications of AF. The presenter will also examine the requirements of a RN and responsibilities for communicating about a patient in new onset AF.

Recognition of SVT and VT

Recognition of SVT and VT will be explored at the end of this session.

1200 – 1230: Cardiac Group Activity

Let's explore the impact of Assertiveness

1230 – 1330: Lunch

1330 – 1430: Recognition of Life-Threatening Arrhythmias

Cardiac arrest due to shockable arrhythmias in the ward and critical care / ED

In this session, there will be a discussion on the recognition of Life-Threatening Arrhythmias and the warning signs of impending cardiac arrest on the telemetry monitoring such as Ventricular Ectopic Beats and the important information required of all telemetry Nurses to recognise the R on T phenomenon.

We will explore the difference between the three common tachycardias seen on telemetry:

1. Sinus tachycardia
2. Supraventricular tachycardia
3. Ventricular tachycardia

1430 – 1500: Break

1500 – 1630: Long QT Syndrome

We will explore hereditary Long QT interval syndrome and how it presents with often syncope or fainting and the acquired LQT interval through overdose of antidepressants and other medications.

DAY TWO:

0900 – 1030: Interpretation of 12 Lead ECG Recognising Acute Coronary Syndrome and Myocardial Infarction

In this session we will examine how a patient with acute coronary syndrome (ACS) presents and the gender issues on presentation. We will explore how to perform a 12 lead ECG and the common errors that are made. Learn to recognise the difference between angina, anterior and inferior MI on the 12 lead ECG and how to communicate your interpretation.

1030 – 1100: Break

1100 – 1200: Continuation of Acute Coronary Syndrome

In this session, we will examine how a patient with acute coronary syndrome (ACS) presents and the gender issues on presentation. We will explore how to perform a 12 lead ECG and the common errors that are made. Learn to recognise the difference between angina, anterior and inferior MI on the 12 lead ECG and how to communicate your interpretation.

1200 – 1230: Cardiac Group Activity

1230 – 1330: Lunch

1330 – 1430: Takotsubo Syndrome

In this session, we are going to explore the presentation of Takotsubo syndrome. This disorder is more commonly seen in older women. However, in recent years as we gain more understanding of the link between emotional distress and heart failure, case studies are indicating it can also occur in pre-menopausal women.

1430 – 1500: Break

1500 – 1600: Life-Threatening Arrhythmias

Assessment of a Collapsed Patient: Syncope in anaphylaxis or hypoglycaemia vs cardiac arrest

In this session, there will be a discussion on the recognition of a collapsed patient to differentiate between syncope and a cardiac arrest.

1600 – 1630: Recognition of A Paced Rhythm on The Telemetry Monitor

We will explore the recognition of a paced rhythm while monitoring a patient with a pacemaker and recognition of complications that may occur with pacing.



"This course should be taught in Uni's and hospitals everywhere. I finally get it. I have watched videos, read books, followed presentations on YouTube and gained some knowledge but this course just made it all click."

- Lysandra, Telemetry and ECG Interpretation, Bundaberg 2023

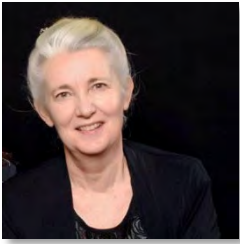
1630 – 1700: Summary and Conclusion

NB: You are not expected to do the role play. The workshop is aimed at providing education with humour and watching the practical strategies the facilitators will demonstrate.

Addressing it requires a comprehensive approach that involves organizational commitment, effective leadership, and the active participation of all staff members in fostering a respectful and supportive work environment. Let's explore what we can do.

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

REGISTRATION COSTS

\$850.00 incl GST

(NB: Registration cost doesn't include travel, accommodation, or travel insurance.)

VENUE

Dublin Docks

Harbourtown Shopping Centre, Harbourtown Dve, Biggera Waters QLD 4216 | (07) 5563 9433

INCLUSIONS

- An extensive Conference program based on current best practice
- Conference 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 Conference pack that includes a notepad, pen, lanyard, and additional information to support a fantastic Conference experience
- A Conference Transcript that identifies each session held at the Conference including the session synopsis and session presenter/s
- A Certificate of Completion identifying the CPD hours attached to the Conference Program for you to include in your CPD Evidence Portfolio

INSURANCE

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 attending and thus incurring any financial loss.

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