



CARDIAC ECG INTERPRETATION & TELEMETRY



**12 CPD
HOURS**



The Sunshine Coast
26-27 Oct 2026



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 arrhythmia and ECG interpretation** is current and reflects best practice guidelines.

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

This session is suitable for Nurses, Midwives, Paramedics, and other health professionals seeking to enhance their cardiac knowledge and clinical skills.

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

LEARNING OUTCOMES

At this seminar 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

*“The course was easy to follow due to the **presenter's** clear passion for her subject.*

It was paced perfectly, and every aspect was interesting and relevant. It has given me more confidence to begin to properly analyse why we are monitoring our patients and given me a good foundation to begin interpreting the rhythms.

The presenter [Anne] is easily the best thing about the event, and the infectious passion for the subject.”

- Chrissie

DETAILED ITINERARY

DAY ONE

0845 – 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 fitting and the acquired LQT interval through overdose of antidepressants and other medications.

“Anne Murray-Evans presented the topics in a simple yet insightful manner. I have gained more confidence in reading ECGs and in being able to explain them to patients and colleagues.”

- Annabelle

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.

1630 – 1700: Summary and Conclusion



OUR PRESENTER

Anne Evans-Murray, R.N., BHLthSc, MACCCN, Grad.Dip Ed, MEd, Dip Counselling, GradCertCritCare, CertIV Training and Assessment, CertIV in Mediation



Anne has a passion for teaching which she does in an unpretentious way that ensures you will not only understand and retain what she presents but will enjoy this learning experience. She has extensive experience of 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-ray interpretation, clinical assessment of the deteriorating patient, assertiveness training and leadership. She conducts accredited advanced life support training for Nurses, doctors and paramedics.

Anne has a passionate commitment to empower 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.

“Anne Murray-Evans presented the topics in a simple yet insightful manner. I have gained more confidence in reading ECGs and in being able to explain them to patients and colleagues.” - Karen

REGISTRATION COST

\$890.00 incl GST (NB: Registration cost doesn't include travel, accommodation, or travel insurance.)

VENUE

Maroochy River Golf Club

374-514 David Low Way, Bli Bli

07 5373 1000

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

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CONDENSED ITINERARY

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1030 – 1100: Break

1100 – 1200: Atrial Fibrillation | Recognition of SVT and VT

1200 – 1230: Cardiac Group Activity

1230 – 1330: Lunch

1330 – 1430: Recognition of Life-Threatening Arrhythmias: Sinus tachycardia | Supraventricular tachycardia | Ventricular tachycardia

1430 – 1500: Break

1500 – 1630: Long QT Syndrome

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