



CARDIAC ECG INTERPRETATION & TELEMETRY



**12 CPD
HOURS**



Bundaberg
11-12 June 2026



WHAT THIS SEMINAR IS ABOUT



The expansion of telemetry across specialist units and general wards has increased the responsibility of nurses and midwives to recognise and respond promptly to cardiac rhythm changes.

While not all clinicians work in cardiac settings, rhythm abnormalities can occur in any area, including maternity and postnatal care. Understanding the foundations of electrophysiology and the three core measurement parameters helps clinicians recognise deviations from normal rhythms.

This knowledge is essential for supporting cardiac safety in both maternity care and telemetry wards.

SEMINAR 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 pathophysiology and life-threatening complications of atrial fibrillation
- Cardiac safety in maternity care
- 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 | 11/06/2026



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

You don't need to be a cardiology expert—this session is about recognising when something isn't right and knowing how to escalate safely.

Atrial Fibrillation (AF) is now the most common arrhythmia in the community and is associated with high admission rates and significant complications, including stroke and haemodynamic instability. It is increasingly encountered across all clinical settings, including maternity and postnatal care, particularly in women with pre-existing cardiac disease, pregnancy-related cardiac conditions, or acute medical deterioration.

This session focuses on recognition of AF and is relevant to both registered nurses and midwives, supporting safe practice when cardiac abnormalities arise outside specialist cardiac units. The presenter will also explore professional responsibilities for recognising new-onset AF and communicating concerns clearly and effectively within the multidisciplinary team.

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:

- Sinus tachycardia
- Supraventricular tachycardia
- 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.



"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



0900 – 1030: Interpretation of 12 Lead

This session will explore how patients with acute coronary syndrome (ACS) may present, including gender differences and pregnancy/postpartum considerations.

The presenter will guide participants in a simple, step-by-step approach to quickly interpret a 12-lead ECG and recognise an acute myocardial infarction, making the process easy and practical without unnecessary complexity.

Participants will learn to perform a 12-lead ECG, identify common errors, distinguish between angina, anterior, and inferior MI, and communicate findings effectively.

1030 – 1100: Break

1100 – 1200: Acute Coronary Syndrome

The session will also cover Spontaneous Coronary Artery Dissection (SCAD), a rare but serious cause of MI in pregnant and postpartum women, which can present subtly. This knowledge is essential for nurses and midwives, empowering them to recognise early warning signs and escalate care promptly.

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.

REGISTRATION COST

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

VENUE

TBA

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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1030 – 1100: Break

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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

DAY TWO | 12/06/2026

0900 – 1030: Interpretation of 12 Lead ECG

1030 – 1100: Break

1100 – 1200: Acute Coronary Syndrome

1200 – 1230: Cardiac Group Activity

1230 – 1330: Lunch

1330 – 1430: Takotsubo Syndrome

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1500 – 1600: Life-Threatening Arrhythmias

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1630 – 1700: Summary and Conclusion