

# Advanced Life Support (ALS) Course

Simulation and Skills Centre

Royal Melbourne Hospital



Jointly accredited by the Resuscitation Council (UK) and the Australian Resuscitation Council (ARC).

Phone: 613 - 9342 7540

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## Background

The original Advanced Cardiac Life Support (ACLS) course was developed by the American Heart Association in the 1980's. In 1990 the Resuscitation Council (UK) formed a multidisciplinary body, the Advanced Life Support (ALS) course subcommittee, to develop a standardised national course teaching the most up-to-date resuscitation guidelines

## Accreditation

Royal Melbourne Hospital delivers the course jointly accredited by the Resuscitation Council (UK) and the Australian Resuscitation Council (ARC).

The course is accredited for quality assurance (QA) and Continuing Medical education (CME) points with multiple medical colleges.



Australian  
Resuscitation  
Council

## Eligibility

All registered medical practitioners.

Nurses working in critical care areas such as intensive care, coronary care, emergency departments, peri-anaesthesia & recovery, MET teams, and cardiac arrest teams.

Critical Care paramedics

## Pre-requisites

Competency in basic life support

## Assessment

Assessments are based on clinical scenarios that allow the participants to demonstrate the core competencies that have been taught on the course. These include a multiple choice questionnaire, airway management, safe defibrillation, and fully integrated cardiac arrest management.

The ALS provider card will be issued by the Australian Resuscitation Council after successful completion of the course. The card is valid for four years, and is recognised Australia-wide and throughout the UK and Europe.

## Course Overview

This two day internationally accredited course has been developed to standardise the teaching of cardiac arrest and resuscitation management.

The ALS course consists of lectures, practical workshops and cardiac arrest scenarios, providing the opportunity to practice skills and apply knowledge.

The course will emphasise the importance of teamwork prior to safe transfer into a critical care environment.

## Course Content

- Causes and prevention of Cardiac Arrest
- Acute Coronary Syndromes
- ALS Universal Algorithm
- Rhythm Recognition
- Airway Management
- Defibrillation
- Blood Gases
- Emergency Drugs
- Cardiac Arrest Simulations
- Post-resuscitation Care

## Course Objectives

Participants will be able to:

1. Understand the causes of cardiorespiratory arrest in adults
2. Identify patients at risk of cardiorespiratory arrest
3. Identify and treat acute coronary syndromes
4. Practice and demonstrate the techniques for airway management in a simulated environment
5. Identify the main cardiac rhythms associated with cardiac arrest
6. Identify the indications for defibrillation and demonstrate safe defibrillation in a simulated environment
7. Use various Emergency Drugs in the appropriate clinical settings
8. Practice and demonstrate transcutaneous cardiac pacing in a simulated environment

## Course Coordinator

Dr. Daryl Williams:  
Director of Anaesthesia & Pain Management,  
Royal Melbourne Hospital.

## Dates, fees & registration

To register for the course please complete the Royal Melbourne registration form and return to:

Department of Anaesthesia (3North),  
Royal Melbourne Hospital,  
Grattan Street,  
Parkville, Victoria,  
Australia 3050.

Current fees are indicated on the registration form. Please note that the registration fee includes refreshments, relevant manuals, ALS provider card at course completion, and teaching at a world class hospital.

## Venue

Royal Melbourne Hospital  
Simulation and Skills Centre  
Ground Floor Main Block

