

**INTERCOLLEGIATE BOARD FOR TRAINING IN INTENSIVE CARE MEDICINE
(IBTICM)**

**THE CURRICULUM FOR THE CCT IN
INTENSIVE CARE MEDICINE**

**COMPETENCY-BASED
TRAINING AND ASSESSMENT**

PART VI

Cardiopulmonary Resuscitation

Name: _____

Module Dates: _____

Basic Level _____

Intermediate (Step 1) Level _____

Advanced (Step 2) Level _____

Note:

If a trainee has completed an ALS course within the last 12 months, the assessment of CPR competency can be assumed and signed off with a comment made to that effect under the signature(s). These assessments may also be conducted during the internal medicine or intensive care modules.

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ASSESSMENTS:

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Terminology and scope of these documents:

The term 'intensive care' in this document is synonymous with 'critical care' or 'intensive therapy'. 'Intensive care unit (ICU)' is synonymous with critical care unit or 'intensive therapy unit (ITU)'. High dependency, step-down and outreach care are also considered in these documents.

Cardiopulmonary Resuscitation (CPR) – Notes

Outcome: The intended result of the training programme in cardiopulmonary resuscitation is to ensure a progressive increase in skill of the trainee from the Preliminary Level (at which the trainee is able to initiate the management of a cardiopulmonary arrest) to the Advanced (Step 2) trainee who is able to manage the whole process including the decisions to discontinue arrest management or to initiate a 'Do Not Resuscitate (DNR)' process.

Repeated training and assessment is necessary to maintain the skills required for cardiopulmonary resuscitation¹ and ipsative assessment of the skills is therefore required throughout the training programme.

Clinical skills:

1. Able to recognise cardiac and respiratory arrest
2. Able to perform cardiac compression
3. Able to manage the airway during cardiopulmonary resuscitation (CPR): using expired air-breathing, bag and mask, laryngeal mask and endotracheal intubation
4. Able to perform CPR either single-handed or as a member of a team
5. Able to use a defibrillator safely and effectively
6. Able to interpret arrhythmias causing and associated with cardiac arrest
7. To perform resuscitation sequences for ventricular tachycardia, VF, asystole, PEA
8. Able to move a patient into the recovery position

Knowledge:

1. Resuscitation guidelines of the Resuscitation Council (UK)
2. The factors relating to brain injury at cardiac arrest
3. Factors influencing the effectiveness of cardiac compression
4. Drugs used during CPR
5. The ethics of CPR: who might benefit
6. Record keeping at CPR

Setting:

Simulated scenario of collapse requiring cardiopulmonary resuscitation during a practical teaching session

Role: Initiate and maintain CPR when necessary. Undertake the role of team leader if no more senior doctor is present, continuing CPR as appropriate, administering necessary drugs and defibrillating if needed. If a more experienced resuscitator is available will adopt an appropriate role in the resuscitation team

Locations: Wherever necessary

Assessments:

- Mannikin-based practical assessment of CPR skills
- Arrhythmia recognition skills using simulator and monitor
- Oral assessment of knowledge of resuscitation

¹ Resuscitation Council

6(a) Assessment of Cardiopulmonary Resuscitation - Basic Level

These assessments may be undertaken at any time and may be combined with a practical teaching session.

Name of trainee: _____

Hospital: _____

Dates: _____

The Trainee:

	Assessor
Ensures personal safety and that of the staff	<input type="checkbox"/>
Calls for help	<input type="checkbox"/>
Demonstrates the diagnostic method	<input type="checkbox"/>
Demonstrates mask to mouth rescue breathing	<input type="checkbox"/>
Demonstrates ventilation with mask and bag	<input type="checkbox"/>
Demonstrates satisfactory insertion of and ventilation with ET tube	<input type="checkbox"/>
Demonstrates satisfactory cardiac compression	<input type="checkbox"/>
Satisfactorily interprets common arrhythmias on ECG monitor	<input type="checkbox"/>
Explains the indications for defibrillation	<input type="checkbox"/>
Demonstrates correct use of defibrillator	<input type="checkbox"/>
Explains the use of appropriate drugs during resuscitation	<input type="checkbox"/>
Can undertake the lead role in directing CPR	<input type="checkbox"/>
Demonstrates moving a patient into the recovery position	<input type="checkbox"/>

These assessments were completed satisfactorily

Signed Print name..... .Date

Appointment

Signed Print name..... .Date

Appointment

IF NO, GIVE REASONS:

6(b) Assessment of Cardiopulmonary resuscitation - Intermediate (Step 1) Level

These assessments may be undertaken at any time and may be combined with a practical teaching session.

Name of trainee: _____

Hospital: _____

Dates: _____

The Trainee:

	Assessor
Ensures personal safety and that of the staff	<input type="checkbox"/>
Calls for help	<input type="checkbox"/>
Demonstrates the diagnostic method	<input type="checkbox"/>
Demonstrates mask to mouth rescue breathing	<input type="checkbox"/>
Demonstrates ventilation with mask and bag	<input type="checkbox"/>
Demonstrates satisfactory insertion of and ventilation with ET tube	<input type="checkbox"/>
Demonstrates satisfactory cardiac compression	<input type="checkbox"/>
Satisfactorily interprets common arrhythmias on ECG monitor	<input type="checkbox"/>
Explains the indications for defibrillation	<input type="checkbox"/>
Demonstrates correct use of defibrillator	<input type="checkbox"/>
Explains the use of appropriate drugs during resuscitation	<input type="checkbox"/>
Can undertake the lead role in directing CPR	<input type="checkbox"/>
Demonstrates moving a patient into the recovery position	<input type="checkbox"/>

These assessments were completed satisfactorily

Signed Print name..... .Date

Appointment

Signed Print name..... .Date

Appointment

IF NO, GIVE REASONS:

6(c) Assessment of Cardiopulmonary resuscitation Advanced (Step 2) Level

These assessments may be undertaken at any time and may be combined with a practical teaching session.

Name of trainee: _____

Hospital: _____

Dates: _____

The Trainee:

	Assessor
Ensures personal safety and that of the staff	<input type="checkbox"/>
Calls for help	<input type="checkbox"/>
Demonstrates the diagnostic method	<input type="checkbox"/>
Demonstrates mask to mouth rescue breathing	<input type="checkbox"/>
Demonstrates ventilation with mask and bag	<input type="checkbox"/>
Demonstrates satisfactory insertion of and ventilation with ET tube	<input type="checkbox"/>
Demonstrates satisfactory cardiac compression	<input type="checkbox"/>
Satisfactorily interprets common arrhythmias on ECG monitor	<input type="checkbox"/>
Explains the indications for defibrillation	<input type="checkbox"/>
Demonstrates correct use of defibrillator	<input type="checkbox"/>
Explains the use of appropriate drugs during resuscitation	<input type="checkbox"/>
Can undertake the lead role in directing CPR	<input type="checkbox"/>
Demonstrates moving a patient into the recovery position	<input type="checkbox"/>
Discusses the indications for and the mechanisms for achieving a 'Do not resuscitate order', including appropriate documentation	<input type="checkbox"/>

These assessments were completed satisfactorily

Signed Print name..... .Date

Appointment

Signed Print name..... .Date

Appointment

IF NO, GIVE REASONS: