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.
CONTENTS

Cardiopulmonary Resuscitation – Notes 3

ASSESSMENTS:

6(a) Cardiopulmonary resuscitation – Basic Level 4
6(b) Cardiopulmonary resuscitation – Intermediate (Step 1) Level 5
6(c) Cardiopulmonary resuscitation – Advanced (Step 2) Level 6

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 resuscitation 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

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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:

Ensures personal safety and that of the staff

Calls for help

Demonstrates the diagnostic method

Demonstrates mask to mouth rescue breathing

Demonstrates ventilation with mask and bag

Demonstrates satisfactory insertion of and ventilation with ET tube

Demonstrates satisfactory cardiac compression

Satisfactorily interprets common arrhythmias on ECG monitor

Explains the indications for defibrillation

Demonstrates correct use of defibrillator

Explains the use of appropriate drugs during resuscitation

Can undertake the lead role in directing CPR

Demonstrates moving a patient into the recovery position

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:

<table>
<thead>
<tr>
<th>Task</th>
<th>Assessor</th>
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<tr>
<td>Ensures personal safety and that of the staff</td>
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<tr>
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<tr>
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<tr>
<td>Satisfactorily interprets common arrhythmias on ECG monitor</td>
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<td>Explains the indications for defibrillation</td>
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<tr>
<td>Demonstrates correct use of defibrillator</td>
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<tr>
<td>Explains the use of appropriate drugs during resuscitation</td>
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<td>Can undertake the lead role in directing CPR</td>
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<td>Demonstrates moving a patient into the recovery position</td>
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These assessments were completed satisfactorily

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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:

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<tr>
<th>Assessor</th>
<th>Task Description</th>
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<td>Demonstrates moving a patient into the recovery position</td>
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<td>Discusses the indications for and the mechanisms for achieving a ‘Do not resuscitate order’, including appropriate documentation</td>
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These assessments were completed satisfactorily

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Appointment .............................................................

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