

Unit Title: Carry out Arterial Puncture and Collect Arterial Blood	
Level:	Three
Credit Value:	4
GLH:	30
OCNLR Unit Code:	PA1/3/LQ/032
Ofqual Unit Reference Number:	R/508/3940

This unit has 6 learning outcomes

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. Understand current legislation, national guidelines, policies, protocols and good practice in arterial puncture and collecting arterial blood.	1.1. Summarise the current legislation, national guidelines, policies, protocols and good practice guidelines which affect own work practice in relation to carrying out arterial puncture and collecting arterial blood. 1.2. Explain the importance of applying standard precautions to the preparation of materials and equipment and the potential consequences of poor practice.
2. Understand the procedures involved in carrying out arterial puncture and the collection of arterial blood.	2.1. Describe the types and categories of risks which may be encountered when performing arterial puncture, and explain their implications. 2.2. Explain the different types of blood collection equipment and explain the factors affecting choice of equipment for collecting arterial blood specimens. 2.3. Explain the importance of correctly identifying the individual's current level of oxygen intake and its impact upon the arterial puncture process.

<p>3. Be able to prepare to carry out arterial puncture and collect arterial blood.</p>	<p>3.1. Confirm the individual's identity and gain valid consent.</p> <p>3.2. Communicate accurate information in a way that is sensitive to the personal beliefs and preferences of the individual.</p> <p>3.3. Apply standard precautions for infection control.</p> <p>3.4. Apply health and safety measures relevant to the procedure and environment.</p> <p>3.5. Follow protocols in accordance with local policy to prepare the selected site for arterial puncture.</p>
<p>4. Be able to carry out arterial puncture and collect arterial blood.</p>	<p>4.1. Position the individual for arterial puncture.</p> <p>4.2. Check to ensure local anaesthetic has been effective.</p> <p>4.3. Insert the blood collection equipment, avoiding blockage or damage to arteries or blood vessels.</p> <p>4.4. Obtain the arterial blood sample in the correct volume and of suitable quality for purpose.</p> <p>4.5. Apply sufficient pressure and for a sufficient timescale to stop the blood flow and ensure haemostasis.</p>
<p>5. Be able to monitor and report on arterial puncture and the collection of arterial blood.</p>	<p>5.1. Report any condition or behaviour which may signify adverse reactions to the procedure and take action in accordance with local policy and protocol.</p> <p>5.2. Seek immediate assistance when remedial action is required and is beyond own scope of practice.</p>
<p>6. Be able to record, report and forward on blood samples.</p>	<p>6.1. Label the arterial blood sample according to local policy and protocol.</p> <p>6.2. Request analysis of the blood sample in line with local policy and protocol.</p> <p>6.3. Ensure that sample is in position for collection in line with local policy and protocol.</p> <p>6.4. Document arterial blood collection procedure in accordance with local policy and protocol.</p>

Assessment

The grid below gives details of the assessment activities to be used with the unit attached. Please refer to the OCN London Assessment Definitions document for definitions of each activity and the expectations for assessment practice and evidence for verification.

P = Prescribed This assessment method *must* be used to assess all or part of the unit.

O = Optional This assessment method *could* be used to assess all or part of the unit.

Case Study		Project	
Written question & answer/test/exam	O	Role play/simulation	
Essay		Practical demonstration	P
Report		Group discussion	
Oral question and answer	O	Performance/exhibition	
Written description	O	Production of artefact	
Reflective log/diary		Practice file	