

Unit 20: Automated Urinary Screening

Level: 2

Unit type: Optional (Urodynamics and Urology)

Credit value: 2

Guided learning hours: 12

Unit summary

This unit aims to give learners an understanding of why samples are requested, how they should be collected and tested, and how test results should be quality assured, validated and issued.

Unit assessment requirements

Assessment tasks and activities must enable learners to produce valid, sufficient, authentic and appropriate evidence that relates directly to the learning outcomes and assessment criteria of the unit. Suitable forms of evidence for this unit include:

- written tasks such as reports, articles for journals, newsletters, leaflets, posters
- workbooks, work logbooks or learner diaries
- written or oral presentations
- projects
- oral question and answer.

Observation records should not be used as the primary evidence of achievement for this unit, but can be used to supplement the more appropriate forms of evidence listed above or to provide sector contextualisation or evidence of how the learner has applied knowledge within their job role.

When devising the assessment activities, centres need to look closely at the verb used in each assessment criterion to ensure that learners can provide evidence with sufficient breadth and depth to meet the requirements. Centres need to produce assessment briefs for learners with clear instructions of what they are required to do.

Learning outcomes and assessment criteria

To pass this unit, learners need to demonstrate that they can meet all the learning outcomes for the unit. The assessment criteria outline the requirements that the learner is expected to meet to achieve the learning outcomes and the unit.

| Learning outcomes | | Assessment criteria | | Evidence type | Portfolio reference | Date |
|-------------------|--|---------------------|--|---------------|---------------------|------|
| 1 | Understand the physical appearances of urine | 1.1 | Describe the normal characteristics (appearance, structures, cellular components) of urine | | | |
| | | 1.2 | Explain how and why the features and characteristics of urine may change with common abnormal conditions | | | |
| | | 1.3 | Describe the symptoms and treatment of a common abnormal condition | | | |
| 2 | Understand the common reasons for requests for urine screening | 2.1 | State the role of urine screening in the diagnosis of disease | | | |
| | | 2.2 | State the common symptoms of urinary tract infections and their potential impact on patients, families, and carers | | | |
| | | 2.3 | Explain the importance of accurate urinary screening for patients | | | |

| Learning outcomes | | Assessment criteria | | Evidence type | Portfolio reference | Date |
|-------------------|---|---------------------|--|---------------|---------------------|------|
| 3 | Understand how urine samples are collected | 3.1 | Explain how urine samples are collected | | | |
| | | 3.2 | State the potential sources of error in urine collection | | | |
| | | 3.3 | Explain how urine samples should be labelled, stored and transported | | | |
| 4 | Understand the process of automated urine screening | 4.1 | Describe the methodology used for automated urinary screening | | | |
| | | 4.2 | State the advantages of automated systems for urinary screening for laboratory services | | | |
| | | 4.3 | Explain the potential sources of error, actions to be taken and when to refer to senior colleagues | | | |
| | | 4.4 | Describe how results are reported using automated urine screening | | | |
| 5 | Understand the steps needed to assure the quality of the test results | 5.1 | Explain the purpose of a Standard Operating Procedure | | | |
| | | 5.2 | Explain the terms sensitivity, specificity, and reproducibility | | | |
| | | 5.3 | Explain the possible reasons for poor quality results | | | |
| | | 5.4 | Explain the need for standardisation of test procedures | | | |

| Learning outcomes | | Assessment criteria | | Evidence type | Portfolio reference | Date |
|-------------------|---|---------------------|--|---------------|---------------------|------|
| 6 | Understand the process for validating and issuing the results | 6.1 | Explain how test results are validated | | | |
| | | 6.2 | Describe the process for issuing results | | | |

Learner name: _____

Date: _____

Learner signature: _____

Date: _____

Assessor signature: _____

Date: _____

Internal verifier signature: _____

Date: _____

(if sampled)