

# Unit 29: Anatomy and Physiology: The Endocrine System

<b>Level:</b>	<b>2</b>
<b>Unit type:</b>	<b>Optional (General)</b>
<b>Credit value:</b>	<b>2</b>
<b>Guided learning hours:</b>	<b>12</b>

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## Unit summary

This unit aims to give learners an understanding of the structure and function of the endocrine system, common diseases affecting the endocrine system, diabetes and its implications, and the range of healthcare science services used in the diagnosis, treatment and monitoring of diseases of this system.

## 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.

## Additional information

AC1.3, their location in the human body, the hormones they secrete and the effect of those hormones:

- hypothalamus
- pituitary
- thyroid
- parathyroids
- adrenals
- pineal body
- reproductive organs (ovaries and testes)
- pancreas.

For AC2.1, common diseases and symptoms affecting the endocrine system include:

- Diabetes Mellitus
- Hyperglycaemia
- Hyperthyroidism
- Hypoglycaemia
- Hypothyroidism
- Obesity
- Type 1 diabetes
- Type 2 diabetes.

## 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 structure and function of the endocrine system	1.1	Define the terms gland and hormone			
		1.2	Describe the structure of the endocrine system			
		1.3	Describe the function of the major glands and hormones of the endocrine system			
2	Understand terms used to describe common symptoms/diseases affecting the endocrine system	2.1	Explain common diseases and symptoms affecting the endocrine system			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
3	Know the most common types of diabetes and their causes	3.1	Define Type 1 and 2 diabetes			
		3.2	Describe the signs and symptoms and the impact on the body of Type 1 diabetes			
		3.3	Describe key features of Type 2 diabetes			
		3.4	State contributing risk factors that may lead to the development of Type 2 diabetes			
4	Understand diabetes and the associated implications	4.1	State prevalence rates for different types of diabetes			
		4.2	Describe the main possible long-term complications to health as a result of having diabetes			
		4.3	Describe the different actions to be taken if a person has an episode of hypoglycaemia if they were: <ul style="list-style-type: none"> <li>conscious and able to swallow</li> <li>unconscious</li> </ul>			
5	Understand the range of healthcare science services and their role in the diagnosis, treatment, and monitoring of diseases of the endocrine system	5.1	State the routine tests undertaken by healthcare science services in investigating patients with a disorder of the endocrine system			

Learner name: \_\_\_\_\_

Date: \_\_\_\_\_

Learner signature: \_\_\_\_\_

Date: \_\_\_\_\_

Assessor signature: \_\_\_\_\_

Date: \_\_\_\_\_

Internal verifier signature: \_\_\_\_\_

Date: \_\_\_\_\_

*(if sampled)*