

Unit 23: Anatomy and Physiology: The Nervous System

Level:	2
Unit type:	Optional (General)
Credit value:	4
Guided learning hours:	26

Unit summary

This unit aims to give learners an understanding of the structure and function of the nervous system (brain, sensory organs related to smell and taste, the eye, the ear) and the range of healthcare science services used in the diagnosis, treatment and monitoring of diseases of the nervous 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

For AC6.1, the conditions and common diseases affecting the nervous systems and special senses include:

- Carpal Tunnel Syndrome
- Epilepsy
- Hydrocephalus
- Meningitis
- Multiple Sclerosis
- Neuralgia
- Paraesthesia
- Presbycusis
- Shingles
- Stroke
- Tinnitus
- Transient Ischaemic Attacks
- Glaucoma
- Cataract
- Macular Degeneration.

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 nervous system	1.1	Describe how the nervous system is organised			
		1.2	Outline the structures and basic functions of the nervous system			
		1.3	Explain the term central and autonomic nervous system			
2	Understand the anatomy and physiology of the brain	2.1	State the major parts of the brain			
		2.2	Explain how cerebrospinal fluid is formed and circulated			
		2.3	Describe the role of the blood brain barrier			
3	Understand the sensory organs related to smell and taste	3.1	State the receptors involved in smell and taste			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
4	Understand the structure and function of the eye	4.1	Outline the structures of the eye			
		4.2	Describe how images are formed by the eye			
5	Understand the structure and function of the ear	5.1	Describe the anatomy of the ear			
		5.2	Outline the main processes involved in hearing			
		5.3	State the receptor organs for equilibrium			
6	Understand conditions and common diseases affecting the nervous system and special senses	6.1	Explain the conditions and common diseases affecting the nervous systems and special senses			
7	Understand the range of healthcare science services and their role in the diagnosis, treatment and monitoring of diseases of the nervous system	7.1	Outline the routine tests undertaken by healthcare science services in investigating patients with diseases of the nervous system			
		7.2	Explain how communication and support strategies may need to be adapted for people with diseases of the nervous system			

Learner name: _____

Date: _____

Learner signature: _____

Date: _____

Assessor signature: _____

Date: _____

Internal verifier signature: _____

Date: _____

(if sampled)