

BTEC Assignment Brief

Qualification	Pearson BTEC Level 3 National Extended Certificate in Applied Science Pearson BTEC Level 3 National Foundation Diploma in Applied Science Pearson BTEC Level 3 National Diploma in Applied Science Pearson BTEC Level 3 National Extended Diploma in Applied Science
Unit number and title	Unit 8: Physiology of Human Body Systems
Learning aim (For NQF only)	B: Understand the impact of disorder on the physiology of the lymphatic system and the associated corrective treatment.
Assignment title	Impact of lymphatic disorder and associated treatments.
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	<p>As part of your college course, you have been offered the chance to participate in a work placement programme. This has been organised in partnership with a national charity who work to engage science students in aspirational work experience opportunities. The placement will allow you to observe specialist laboratory work, practice a variety of scientific techniques and gain first-hand experience of medical research into the role and function of the lymphatic system and disorders and associated treatments.</p> <p>On completion of your one-month placement; your assigned learning mentor requires you to produce a portfolio of evidence demonstrating the knowledge and understanding you have gained throughout the programme. Your portfolio will contain a detailed 'patient case study' related to the normal functioning of the lymphatic system, impairment of normal function due to lymphatic diseases and the treatments used to correct the effects of lymphatic diseases.</p> <p>Your portfolio must be written professionally using appropriate scientific terminology.</p>
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<p>Task</p>	<p>Hodgkin Lymphoma and Lymphatic Filariasis are amongst the many conditions being researched by the medical professionals employed at your work placement. Your patient case study will focus on just one of these disorders.</p> <p>Your patient case study must include a:</p> <ul style="list-style-type: none"> • Evaluation and description of the effects of a single lymphatic disorder of your choice and include an evaluation and description of the corrective treatment(s) associated with the disorder. <p>A detailed explanation of the physiological reasoning behind the treatments prescribed in an attempt to correct the disorder you have chosen must be included.</p> <p><i>(For example, in the treatment of certain lymphatic diseases, some patients will receive both chemotherapy <u>and</u> radiotherapy treatments whilst others receive only chemotherapy. Even then, the combination of drugs used will vary in consideration of different factors related to the patient and the disease stage.)</i></p> <p>In choosing treatment methods, medical professionals will need to take into account the likely benefits to the patient and the potential risks and problems the prescribed treatment(s) may bring. Include these factors in your report.</p> <p>To assist your evaluation, you must include and refer to:</p> <ul style="list-style-type: none"> • A diagram of the anatomy of the lymphatic system which you have labelled. A description of how each of the structures included in, or associated with, the lymphatic system work in the healthy state. <p><i>(As a minimum you must include the following primary and secondary lymphoid organs; lymph vessels, lymph nodes (axillary and supratrochlear, abdominal, inguinal, and popliteal), valves, thymus, tonsils, lacteals and spleen.)</i></p> <p>A description of the formation of lymph and its role in body defence mechanisms. A description of how the normal functioning of the lymphatic system is impaired in the diseased state.</p>
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Checklist of evidence required	<p>A portfolio of evidence relating to the lymphatic system which contains:</p> <ul style="list-style-type: none"> • a patient case study evaluating the effect of corrective treatments on a named lymphatic disorder and the reasons behind the choice of treatments including benefits and problems. • signs and symptoms of the chosen disorder in conjunction with the effects of the disorder on normal lymphatic function. • A diagram illustrating the anatomy of the lymphatic system. • A detailed description of normal lymphatic functions. <p>Correct scientific terminology must be used throughout the portfolio. Sources of information must be properly referenced.</p>
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
B. D2	Evaluate the effect of corrective treatment(s) for a disorder of the lymphatic system.
B. M2	Explain the physiological reasoning for corrective treatment(s) associated with the disorder of the lymphatic system.
B. P4	Describe the effect of disorder on the lymphatic system and possible corrective treatment(s).
B. P3	Describe the gross anatomy and function of the organs of the lymphatic system.
Sources of information to support you with this Assignment	<p>http://www.innerbody.com/image/lympov.html</p> <p>http://www.livescience.com/26983-lymphatic-system.html</p> <p>http://www.cancerresearchuk.org/about-cancer/coping-with-cancer/coping-physically/lymphoedema/what-is-lymphoedema</p> <p>Ross and Wilson Anatomy and Physiology in Health and Illness - by Anne Waugh BSc(Hons) MSc CertEd SRN RNT FHEA (Author), Allison Grant BSc PhD RGN (Author)</p>
Other assessment materials attached to this Assignment Brief	