

| Module Details | |
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| Module Title | Diagnosis and Management of Diabetes; Gaining Glycaemic Control |
| Module Code | PSI7028-C |
| Academic Year | 2021/2 |
| Credits | 30 |
| School | School of Nursing and Healthcare Leadership |
| FHEQ Level | FHEQ Level 7 |

| Contact Hours | |
|---------------------|-------|
| Type | Hours |
| Seminars | 4 |
| Lectures | 6 |
| Directed Study | 110 |
| Work based learning | 180 |

| Availability | |
|--------------|---|
| Occurrence | Location / Period |
| BDA | University of Bradford / Full Year |
| BDA | University of Bradford / Non-Standard Academic Year |

| Module Aims |
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| To acquire knowledge and competence in the diagnosis and management of diabetes, enabling the student to develop skills to work confidently & effectively as a Clinical Practitioner with a Special Interest in Diabetes. |

| Outline Syllabus |
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| <p>Epidemiology & pathophysiology of glucose homeostasis and intolerance Diagnosis of diabetes including appropriate diagnostic criteria for the different types of diabetes Diagnosis of special categories for example pregnancy, stress, MODY, LADA and secondary Interpretation of laboratory test results Appropriate use of clinic, home and laboratory assessment of diabetes and monitoring Treatment of diabetes including pharmacological and non pharmacological interventions Assessment of risk Development of the current evidence base for the management of diabetes and care delivery Understanding pharmacodynamics, pharmacokinetics, compliance and concordance Health policies and national and international guidelines in relation to diabetes The role of targets in the management of diabetes The impact of the diagnosis on a person and their family The impact of diabetes on the local and national population</p> |

| Learning Outcomes | |
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| Outcome Number | Description |
| 01 | a) Apply the evidence for epidemiology & pathophysiology of glucose intolerance to diagnosis and management of diabetes mellitus. b) Critically evaluate the pharmacodynamics and pharmacokinetics of medications to understand treatment options for the management of each type of diabetes. c) Evaluate the existing care pathways in the context of appropriate non-pharmacological and pharmacological treatments for a person newly diagnosed with diabetes. d) Show an advanced critical appreciation of the principles of screening for diabetes. |
| 02 | a) Investigate, diagnose, and risk assess a person with glucose intolerance. b) Initiate the most appropriate treatment plan for a person diagnosed with diabetes. c) Initiate appropriate non-pharmacological measures in a person with glucose intolerance and diabetes. d) Refer patients appropriately for a second opinion.e)Understand the impact of the diagnosis of diabetes on a person, their family and the local and national population. |
| 03 | a) Practice critical and effective problem solving skills. b) Demonstrate an evidence based approach to patient care. c) Demonstrate effective team working skills with colleagues and peers. d) Communicate effectively with patients, their carers and families. |

| Learning, Teaching and Assessment Strategy |
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| <p>Assessment is in the form of: Verification of competence and key skills as observed by mentor tests LO: 2a, 2b,2c, 2d, 2e, 3a, 3b, 3c. This is supported by a learning diary demonstrating breadth of learning and experience LO: 3d. Reflective case studies address patients seen and managed and assesses LO: 1a, 1b, 2a,2b, 2c, 2d, 2e, 3a. Students submit their work electronically and receive a summative % mark and written feedback. A draft may be sent to tutors for formative assessment. The preparation and presentation of the critical appraisal of a piece of published research to the student group tests LO: 3a, 3b,3d. Students are awarded a % mark and receive written and verbal feedback.</p> |

| Mode of Assessment | | | |
|--------------------|----------------------|--|-----------|
| Type | Method | Description | Weighting |
| Summative | Clinical Assessment | Verification of competence & key skills together with completed learning diary. | 0% |
| Summative | Coursework - Written | Written reflective case assessment One complex management case (3 oral medications 0-1500 words | 33% |
| Summative | Coursework - Written | Written reflective case assessment One new diagnosis management case 0-1500 words | 33% |
| Summative | Presentation | Presentation of the critical appraisal of a key research paper relating to the management of diabetes. 15 mins plus 5 mi | 34% |

| Reading List |
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| To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html |

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.

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