

Module Specification

Module Summary Information

1	Module Title	Type 1 diabetes – opportunities and complexities
2	Module Credits	20
3	Module Level	7
4	Module Code	LBR7589

5	Module Overview
<p>This module offers qualified health practitioners working with people living with type 1 diabetes the opportunity to extend the breadth, depth and complexity of their individual erudition and practice. Critically examining the knowledge, evidence and competencies to work at a higher level of practice to respond to the advancing glycaemic management techniques and developing digital technologies for people with type 1 diabetes.</p> <p>Type 1 diabetes is an increasingly common auto-immune condition which affects every age group. The immunology, genetics, environmental factors and increasing incidence of type 1 diabetes will be critically examined.</p> <p>Care approaches and partnership working with people with type 1 diabetes needs to be designed and delivered in a person-enabling and age appropriate way. Type 1 diabetes is complex and unpredictable and requires person-centred engagement to optimise knowledge and self-management techniques. Increasing use of insulin delivery technologies and glycaemic management opportunities will be core to this module. Alongside the human factors of living well with type 1 diabetes to promote safety, engagement, psychological support and enablement are essential, when working with people living with the daily challenges of type 1 diabetes. Case scenarios and special situations in type 1 diabetes care will be critically examined within this module.</p> <p>This module is delivered as a standalone, or as part of the MSc in Advancing Diabetes Care pathway. This module aligns with the post-graduate philosophy and is designed to be flexible and practice-led. You will have the opportunity to develop skills of enquiry, reflection and problem solving. An online learning approach is taken. You will be encouraged to think critically and share practice experiences within an online discussion forum with your fellow students, as well as engaging in both directed and self-directed learning activities. You will be an active partner in your own learning and development and in return you will receive regular feedback and feed forward aimed at developing your academic skills, and have the opportunity to discuss your progress with the module team.</p>	

6	Indicative Content
<ul style="list-style-type: none"> • Causes: immunology, genetics, viral, seasonal, environmental & geographical variations • Incidence, prevalence, epidemiology • Insulin delivery & age appropriate knowledge for insulin replacement • Gender considerations • Developing and emerging technologies in insulin delivery & continuous glucose monitoring • Interpretation of glucose and insulin results, resistance or sensitivity • Blood glucose experiences & complexities • Complications of type 1 diabetes 	

- Disordered eating
- Service user experience & dis-engagement
- Hypoglycaemia management
- Glucose management & teaching people with type 1 diabetes the skills in an age appropriate way
- Reasonable adjustments
- Inpatient management & primary care management
- Partnership working and enablement across age groups
- Physical activity management
- HbA1c and factors affecting
- Human factors & person-centred care delivery
- Safety netting
- Driving advice
- Legal considerations
- End of life management

7		Module Learning Outcomes	
		On successful completion of the module, students will be able to:	
	1	Critically examine and review the epidemiology, immunology, pathogenesis, clinical features and management of type 1 diabetes.	
	2	Critically examine the human factors of living with type 1 diabetes an an age appropriate way.	
	3	Critically review and apply person-enabling decision making in the increasing complexities of glycaemic management options.	
	4	Critically consider and apply solution focussed evidence and approaches to help individuals manage type 1 diabetes alongside other co-morbidities.	

8				Module Assessment			
Learning Outcome							
		Coursework		Exam		In-Person	
1		X					
2 - 4				X			

9		Breakdown Learning and Teaching Activities	
Learning Activities		Hours	
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable		40	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line		20	

activity, Graduate+, peer learning, as directed on VLE	
Private Study (PS) includes preparation for exams	140
Total Study Hours:	200