

Pregnancy and Paediatric Blood Science

Module Code:	BIS6015-A
Academic Year:	2018-19
Credit Rating:	10
School:	School of Chemistry and Biosciences
Subject Area:	Biomedical Science
FHEQ Level:	FHEQ Level 6
Module Leader:	Dr Mojgan Najafzadeh

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Tutorials	5
Laboratory	20
Directed Study	75

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims

The aim of this module is to enable the student to understand and gain experience of the application and delivery of a range of specialised methods and techniques from the blood sciences.

Outline Syllabus

Use of reference ranges during pregnancy, in neonates and in children. Tests of conception and pregnancy monitoring. Immunological mechanisms in implantation and pregnancy and

protection of the neonate against infection. Antenatal screening tests for fetal abnormalities of haemolytic disease of the newborn, feto-maternal haemorrhage and fetal abnormality. Investigation of inborn errors of metabolism and biochemical abnormality in neonates and children (hypoglycaemia hyperammonaemia, calcium and phosphate disorders, pubertal disorders). Tests for diagnosis and management of haematological malignancy in children

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 Understand and evaluate the application of methods and techniques used in pregnancy and paediatric blood science and illustrate their value in relevant areas of clinical practice.
- 2 Understand conception and pregnancy monitoring and how to protect the neonate from infection.
- 3 Analyse neonatal screening tests for foetal abnormality and haemolytic disease of the newborn.
- 4 Describe investigations into inborn errors of metabolism, biochemical abnormality in neonates and children and the management of haematological malignancy in children.
- 5 Effectively manage your workload, resources and work successfully to a deadline. Demonstrate personal responsibility for self-directed learning and time management.
- 6 Communicate clearly and concisely with correct use of terminology to answer questions and discuss a specialist topic.
- 7 Clarify factors which may influence the type and detail of advice you provide.
- 8 Clearly convey information and results in detail.

HCPC standards addressed: (HCPC 2, 4, 5, 8, 9, 10, 11, 13, 14, 15)

Learning, Teaching and Assessment Strategy

This is a bespoke module using external lecturers and practitioners and will be delivered via intensive block teaching in situ in external NHS Trusts followed by assessment

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Coursework	An independent study	-2500 words	80%	Yes

Summative	Classroom test	A paper-based MCQ assessment of the training	1 hour	20%	No
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Legacy Code (if applicable)

BM-3128M

Reading List

To view Reading List, please go to [rebus:list](#).