MIDWIFERY HIGH DEPENDENCY CARE 7KNIM771

Level: 7
Credits: 15

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Academic support is offered by the module leader and teaching team.
You will be supported by a range of obstetric, diabetic and anaesthetic consultants who are experts within their subject areas.

This handbook must be read in conjunction with module information provided on KEATS, the King’s E-Learning and Teaching Service. You will be given access to KEATS on enrolment. Important information relating to assessment and related regulations can be found in the Undergraduate Programme Handbook, available on KEATS and via the Student Services Centre.

This handbook can also be provided in alternative formats (such as large print) upon request to asc@kcl.ac.uk.
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Module overview
This module can be taken as a freestanding module, or it can form part of the MSc Advanced Practice.

Module aim
The course aims to build on practitioners existing knowledge of high-risk midwifery situations. Recent advances in midwifery and obstetrics will be examined and evaluated in order to extend course participants scope of professional practice to women requiring high dependency care. Practitioners will develop expert critical evaluation of the research evidence in relation to high dependency care, and advanced knowledge and skills in evaluating and building on strategies and interventions utilised in care provision. In practice they will develop specialist skills and competencies required, to care for critically ill pregnant and parturient women.

Learning outcomes
At the end of the course practitioners will demonstrate:

- Demonstrate advanced knowledge and understanding in the appraisal of the principles of high dependency care.
- Demonstrate expert critical analysis of the research evidence and knowledge base for maternal high dependency care.
- Demonstrate advanced recognition of the complexity of pathological obstetric conditions and their implications for the care of the women.
- Demonstrate advanced knowledge and understanding of the effects of altered maternal physiology during pregnancy and childbirth.
- Demonstrate advanced knowledge and understanding of the relevant physiological parameters to monitor and achieve equilibrium.
- Demonstrate advanced knowledge and understanding of pre-existing medical conditions, which contribute to high risk situations in childbearing women.
- Demonstrate advanced knowledge and understanding in the appraisal of the strategies and interventions utilised in the provision of high dependency care.

Teaching arrangements
A range of methods will be utilized including, lectures, seminars, guided studies/discussion groups, e-learning and tutorials.

Practice outcomes
At the end of the course, practitioners will have increased their awareness of specific skills and competencies necessary to provide care for critically ill women within the context of midwifery practice.
Submitting coursework
For this module you will be assessed by Sam Bassett.

Summative assessment
Assessment of Theory

Write a critical analysis of the care given to a specific client who required high dependency care.
(3,500 words)

Guidelines:

• Provide a brief description of the woman and the care setting.

• Include an advanced critical appraisal of the holistic assessment performed, identifying the source of data and giving the rationale for the approach taken.

• Account should be taken of the fact that at all stages the care given will involve a multidisciplinary team approach.

• Select the main problem identified in the assessment, discuss critically evaluate and analyse the midwifery and medical interventions, critically analysing in depth the rational and the research base for such interventions.

• Reflect on the role and responsibilities of the midwife in the assessment and planning of this care, critically appraising and analysing the effectiveness of the care given to this woman.

• The assignment should be structured in an essay style but subheadings may be used.

• The essay should demonstrate an advanced understanding of professional issues, biological and social sciences and midwifery practice.

• It should be logically sequenced with highly developed lines of argument, supported by relevant literature.

• Descriptive case material may be included as an appendix

Submission Checklist

• It is crucial that, when filling in the Submission Title box during the upload process, you enter your CANDIDATE NUMBER. Submissions are anonymised and this allows your coursework to be identified and marked.

• Coversheet: All submissions must include a coversheet as the first page of the document. This contains vital information regarding your submission.

• You are responsible for ensuring that the correct work is submitted. The file(s) electronically submitted at the time of the deadline will be taken as the final and complete submitted work, and no amendments, additions or resubmissions will be permitted after the submission deadline.

• You are responsible for ensuring that submitted electronic files are correctly formatted, and submitted in one of the specified acceptable file formats. Please see Faculty policy below.
**Guidance and policy**

Please ensure that you have completed the Faculty's plagiarism module before submitting your assignment online. This module covers the issue of plagiarism, how you can avoid it and the importance of citing references correctly in academic work. The module provides access to a TurnItIn Practice Assignment where you can practise submitting your coursework in order to see how the system works.

**Submission Policy**

Late submissions will be accepted for 24 hours following the submission date. All work submitted late will be marked as normal but will be capped at the pass mark for the module. The available TurnItIn submission window will allow late submissions after the due date.

If you are unable to submit your work by the deadline please refer to the information in your programme handbook on “mitigating circumstances”; also available: FNFNM Assessments KEATS Site.

Course work submission are provided on the KEATS module page. It is essential that you use your candidate number on all assignments/examinations. Your candidate number, which will begin with W for the academic year 2017/18, will be available via Student Records on the King's Intranet approximately one month after you enrol.

If you are unable to submit your work by the deadline please refer to the information in your programme handbook on “mitigating circumstances”.

**Submission date for course work:**

18 July 2017

**Unratified feedback for assignment available via TurnItIn on 15 August 2017**

**Exam board: 26 September 2017**

Late submissions will be accepted for 24 hours following the submission date. All work submitted late will be marked as normal but will be capped at the pass mark for the module. If your assignment is hard copy please ensure you date stamp it and submit it to the submission room G15 JCMB. If your assignment is submitted electronically through TurnItIn, information about how to submit late will be provided on KEATS module sites under assessment information.

The external examiner for this module is Andrew Symons. Students are not to make direct contact with external examiners, in particular regarding their individual performance in assessments.

The College and its Examination Boards in the ten Faculties (Institutes/Schools, King's Learning Institute and the Association of King's College (AKC), work with over 500 external examiners to ensure the quality and standard of our taught awards. Find the latest report on the External Examiners Report page, navigate to the Faculty of Nursing and Midwifery section.

**Assessment of practice**

It is anticipated that you will be given a minimum of 10 days to gain appropriate clinical practice and get your Clinical Assessment Document completed.

Each student must determine her own learning needs. Placements in your own Trust is usually appropriate, ITU and HDU units may provide useful experience, as may high-risk clinics.

Practice assessors on the unit will enable course members to achieve the practice outcomes stated in the Practice Assessment document through the use of a learning contract.
Practice assessors may be any professional on the unit who is able to supervise your practice or evaluate your performance of a competency and may include appropriately qualified practitioners from other units.

Because of the short period of time available for learning in practice the minimum acceptable standard of practice for all competencies has been set at S (supervised).

Please note that any issue regarded as unsafe practice will constitute an automatic fail.

**Submission date: 1 August 2017**

**Results and re-submissions for coursework**

Students will receive a provisional (unratified) mark for their coursework 4 weeks following submission. According to the method of submission as detailed on your KEATS site, if your work was submitted online you will be able to download marked coursework from KEATS; alternatively, if you completed a hard-copy submission you can collect your coursework and feedback from the Student Services Centre.

To collect a hard copy assignment, you must provide your candidate number. Alternatively, you may send a stamped addressed envelope to the Student Services Centre ensuring that this is large enough to accommodate your assignments and that you have applied sufficient postage. Hard copy assignments will be retained for four weeks; if you have not collected your assignment by then, it will be destroyed.

Feedback will include the award of a numerical grade which remains provisional until ratified by the examination boards. The dates for the examination boards are available on KEATS. Ratified marks can be viewed via Student Records on the King’s Intranet, the Monday following the relevant examination board.

The marking criteria by which your work is judged are provided in full in your programme handbook. Please also refer to the section in your programme handbook on plagiarism and how to avoid it. If you have a query about how to refer to a specific piece of work please ask your module leader, your group leader or a member of library staff for guidance.

The feedback you receive on your assignment will guide you towards how to do better next time or how to maintain your existing high standard!

If you do not understand your mark or the feedback you receive please contact Sam Bassett.

If you are unsuccessful, it is recommended that you contact the module leader before submitting your second attempt. This will enable the module leader to provide you with an appropriate level of support as you prepare to re-submit your work.

**Dates for examinations**

You will be notified of dates for examination on the Student Records section of the King’s Intranet.
Results and re-sits for examinations
Unratified results from exams will be available on your KEATS module site 4 weeks from the date of the examination.

Faculties are required since academic year (2015/16) to make examination scripts available to any student who makes a request, free of charge. Any requests for examination scripts should still be managed in accordance with the Data Protection Act 1998. Students may request access to their exam paper at any time (after the Assessment Sub Board meeting) during their programme of study. This policy applies to all summative, unseen, written examinations. MCQs and OSCEs are exempt from this process.

Re-sit dates will available on your KEATS module site. If you are unsuccessful, it is recommended that you contact the module leader before submitting your second attempt or re-sitting your examination.

Re-submission date:
Assignment and Assessment of Practice: 17 October 2017
Exam board: 5 December 2017
Learning resources

Day 1

Lecture 1: Introduction to Module

By the end of this session, you will be able to:

- Have an awareness of the module learning outcomes, content, written and clinical assessments
- Discuss the development of maternal High Dependency Care (HDC) within the NHS
- Critically analyse the role of the midwife/nurse within the current provision of maternal HDC within the UK

Lecture 2: Introduction to Homeostasis and Haemodynamic Monitoring

By the end of this session, you will be able to:

- Understand the principles of homeostasis in normal physiology
- Discuss the principles of pregnancy-associated physiology
- Have an awareness of different approaches to monitoring and managing changes in haemodynamic status in childbearing women
- Critically analyse the role of the midwife/nurse in regard to haemodynamic monitoring approaches associated with maternal HDC

Lecture 3: Assessment and Management of Fluid and Electrolyte Balance

By the end of this session, you will be able to:

- Discuss the normal physiology associated with body fluid compartments, water balance and cardiovascular function
- Understand of the role of crystalloids and colloids and display an insight into their use within a deteriorating client
- Critically analyse the role of the midwife/nurse within fluid balance in maternal HDC
Day 2

Lecture 1: Blood Gas Analysis

By the end of this session, you will be able to:

- Have an understanding of the difference between respiratory and metabolic acidosis and their related pathophysiology
- Be able to read a basic blood gas analysis

Lecture 2: ECG

By the end of this session, you will be able to:

- Have an understanding of basic cardiac rhythms
- Discuss how the physiology of pregnancy may affect ECG monitoring

Lecture 3: Obstetric Choleostasis

By the end of this session, you will be able to:

- Have an understanding of the pathophysiology of obstetric choleostasis, displaying a level of knowledge and understanding of the rationale for the associated signs and symptoms
- Discuss the management/treatment of obstetric choleostasis,
- Critically analyse the role of the midwife within obstetric choleostasis

Lecture 4: Diabetic Management + HDU

By the end of this session, you will be able to:

- Describe the impact of (i) pregnancy on pre-existing diabetes mellitus; and (ii) diabetes on pregnancy.
- Critically analyse the role of the midwife in caring for women with diabetes in the antenatal, intrapartum and postnatal periods.
  Understand the pathophysiology of diabetic ketoacidosis (DKA) and its management and treatment
- Critically analyse the role of the midwife in the care and management of a baby whose mother has diabetes.
Day 3

Lecture 1: Liver + Renal

By the end of this session, you will be able to:

- Develop an understanding of the more complex renal problems and how they may impact on pregnancy, e.g. renal failure; renal transplantation.
- Identify the significant liver disorders that may occur in pregnancy, e.g. acute fatty liver, hepatitis.
- Explain the impact of these conditions on fetal/maternal wellbeing in pregnancy, and critically analyse the midwife’s role within these

Lecture 2: Pathophysiology and Management of Severe Sepsis

By the end of this session, you will be able to:

- Understand the pathophysiology of sepsis, displaying a level of knowledge and understanding of the rationale for the associated signs and symptoms
- Discuss how sepsis may arise; risk factors for sepsis; susceptible individuals
- Discuss preventive measures, assessment/investigative strategies, and treatment options for sepsis in childbearing women
- Critically analyse the main findings and recommendations in national guidance on sepsis

Lecture 3: Haemoglobinopathies

By the end of this session, you will be able to:

- Describe the origin, nature and consequences of the main types of haemoglobinopathies encountered in midwifery practice
- Understand the midwifery and medical care required for a woman with sickle cell anaemia during pregnancy, labour and the puerperium
- Discuss the management and treatment of a sickle cell crisis
- Critically analyse the role of the midwife within haemoglobinopathies
Day 4

Lecture 1: Pre-eclampsia part 1/Pathophysiology and Management

By the end of this session, you will be able to:

- Review theories that cover the aetiology of and associated risk factors for pre-eclampsia
- Understand the management of women with mild, moderate and severe pre-eclampsia.
- Describe the pathophysiology of pre-eclampsia, displaying a level of knowledge and understanding of the rationale for the associated signs and symptoms
- Identify the range of assessment techniques used for women with pre-eclampsia.
- Critically analyse the role of the midwife/nurse within the management and treatment of severe pre-eclampsia

Lecture 2: Eclampsia/DIC/HELLP

By the end of this session, you will be able to:

- Have an awareness of the possible ‘variants’ of pre-eclampsia e.g. HELLP syndrome; eclampsia, DIC including details of appropriate medical and midwifery care.
- Identify the key aspects of care for a woman having an eclamptic seizure.
- Discuss the use of anticonvulsant and antihypertensive therapies.

Lecture 3: CVP & Arterial lines

By the end of this session, you will be able to:

- Have an understanding of CVP monitoring and its uses
- Discuss the concept of a fluid challenge
- Have an awareness of the practicalities of a CVP i.e. how to set up a transducer
- Have an understanding of arterial lines and its uses
Day 5

Lecture 1: Cardiac

By the end of this session, you will be able to:

- Outline the nature and range of cardiac disorders that may be encountered in childbearing women
- Describe the key aims of diagnosis, care and management for these women
- Understand the implications of pregnancy and childbirth for women with pre-existing cardiac disorders
- Critically analyse the impact of cardiac dysfunction on medical and midwifery care

Lecture 2: Psychological Effects of Severe Illness

By the end of this session, you will be able to:

- Have an awareness of Post-Traumatic Stress Disorder (PTSD)
- Discuss the management and possible treatment of PTSD
- Critically analyse the role of the midwife/nurse within PTSD

Lecture 3: Venous Thromboembolism (VTE)

By the end of this session, you will be able to:

- Identify the risk factors that contribute to thromboembolic disease and critically appraise the midwifery and medical interventions used to prevent this.
- Describe the main clotting disorders, both inherited and acquired, which may be encountered in childbearing women.
- Have an awareness of the medical diagnostic techniques used to confirm the presence of VTE
- Understand the drug treatments used in managing VTE
- Critically analyse the midwifery/nursing role in caring for pregnant and postnatal women with VTE
Indicative reading


**Useful Websites**


ICM - [www.internationalmidwives.org/](http://www.internationalmidwives.org/)

Royal College Midwives - [www.rcm.org.uk/](http://www.rcm.org.uk/)

RCOG - [www.rcog.org.uk](http://www.rcog.org.uk)

Royal College of Anaesthetists - [www.rcoa.ac.uk/](http://www.rcoa.ac.uk/)


Association for Improvements in the Maternity Services - [www.aims.org.uk/](http://www.aims.org.uk/)

National Institute for Clinical Excellence (NICE) - [www.nice.org.uk/](http://www.nice.org.uk/)

NMC - [www.nmc-uk.org](http://www.nmc-uk.org)

MBRRACE-UK - [www.npeu.ox.ac.uk/mbrrace-uk](http://www.npeu.ox.ac.uk/mbrrace-uk)
**Module evaluation**
At the end of the module you are requested to complete the short online evaluation which will be available via a link e-mailed to you at the end of the course. Student evaluations are very important to us and are required by Health Education England and the regional London Local Education and Training Boards.

**Actions from previous modules**
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**Key:** FWB – Franklin-Wilkins Building, Waterloo Campus