NEONATAL NURSING: HIGH DEPENDENCY
6KNIN625

Level: 6
Credits: 15

Module leader: Lynne Wainwright
Tel: 020 7848 3037
Email: lynne.m.wainwright@kcl.ac.uk

Module Deputy Annette Rathwell
Email Annette.rathwell@kcl.ac.uk

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.
Module overview
This module forms part of the BSc Clinical Practice. The module contributes to your programme of study by building on the neonatal nursing special: care module and informing the neonatal intensive care module allowing you to attain ‘qualified in speciality’ status.

The module can also be taken as a freestanding module.

Module aim
This course has been designed in partnership with NHS trusts, to enable nurses and midwives working in neonatal units to provide safe, sensitive and effective care for babies, and their families, in high dependency areas.

Learning outcomes
At the end of the module the student will be able to:

• Consider the role of the high dependency unit in relation to special care and intensive care units
• Discuss current evidence based practice for infants meeting the criteria for level 2 (HDU) admission (i.e. infants receiving CPAP)
• Consider the role of the nurse and the family as members of the multidisciplinary team within the high dependency unit
• Evaluate appropriate care plans and documentation for infants in the high dependency care setting
• Apply safe clinical skills to promote effective care of the infant in the high dependency setting
• Discuss current evidence based practice to underpin decision making for infants and families in the high dependency unit
• Discuss the needs of infants and families on the high dependency unit in relation to transfer to special or intensive care units

Teaching arrangements
The course will primarily be taught by Lynne Wainwright & Annette Rathwell using expertise from trust staff as appropriate.
Submitting coursework

For this module you are assessed by Lynne Wainwright and Annette Rathwell

Assessment criteria

Formative assessment
Mock examination question in class.

Summative assessment
A two hour scenario based unseen examination.

Exam instructions are provided on the KEATS module page. It is essential that you use your candidate number on all examinations. Your candidate number, which will begin with X for the academic year 2016/17, will be available via Student Records on the King’s Intranet approximately one month after you enrol.

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 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.
Learning resources

Session 1 — Physiological Adaptations at Birth
• Critically discuss the physiological adaptations from neonatal to newborn circulation
• Explore the physiological adaptations in relation to disorders of the newborn neonate.

Session 2 – Respiratory Problems/Respiratory Support
• Critically discuss respiratory problems that may present in the neonatal HDU
• Consider the altered physiology
• Critically discuss newborn respiratory assessment and management skills
• Consider the types of respiratory support available and the appropriate use of these.
• Critically analyse the nursing care of a baby who requires NCPAP & use of CPAP in the neonatal unit.

Session 3 – GI disorders and Stoma Care
• Identify the different stages of gastro-intestinal development in the foetus
• Identify the pathology behind GI disorders in the neonate
• Critically analyse the impact and nutritional implications on the neonate of different GI disorders such as Short Gut Syndrome
• Consider the surgical options available to correct GI disorders in the neonate
• Analyse the risk factors which contribute towards the onset of NEC
• Critically consider the stages of NEC and the treatment options favoured at each
• Critically analyse the nutritional impact of different stoma sites
• Consider the importance of stoma care and the impact on the family.

Session 4 – TPN and Nutritional Issues
• Critically analyse the nutritional needs of infants in HDU
• Critically analyse the use of additives / supplements in enteral feeds
• Identify indications for the use of TPN
• Critically discuss the nursing care needs of a baby on TPN
• Consider the constituents of TPN

Session 5 – Haematology/Blood products
• Critically analyse basic physiology in relation to haematology & the causes of anaemia
• Identify the factors which put neonates at risk of anaemia
• Analyse the signs and symptoms of anaemia
• Explore nursing practices and protocols around the giving of blood products
Session 6 – Neonatal Palliative and EOL Care
- To be able to critically discuss the provision of neonatal palliative care
- To be able to critically discuss the types of infants and their families who would benefit from palliative care
- To be able to critically discuss the referral process in neonatal palliative care
- To be able to critically reflect on their own practice in relation to neonatal palliative care.

Session 7 – Pain
- Analyse the physiological process of pain experiences
- Critically discuss situations which may cause the neonate pain
- Critically analyse the methods used to assess an infant’s pain
- Critically evaluate pharmacological and non-pharmacological methods of pain relief in the neonate.
Indicative Reading


www.togetherforshortlives.org.uk


Stodtbeck F. (2003) the Pathophysiology of prolonged periods of no enteral nutrition or nothing by mouth Newborn and Infant Nursing reviews 3(2), 47-54.


Module evaluation
At the end of the module you are requested to complete the short online evaluation which will be available on your module KEATS site. Student evaluations are very important to us and are required by Health Education England and the regional London Local Education and Training Boards.

Action from previous evaluations
- Would have liked more exam question practice.
  **Action:** Session included on timetable and exam questions put up on KEATS to work through.
<table>
<thead>
<tr>
<th><strong>Teaching mode</strong></th>
<th><strong>Date</strong></th>
<th><strong>Type of session</strong></th>
<th><strong>Title</strong></th>
<th><strong>Time</strong></th>
<th><strong>Room</strong></th>
<th><strong>Lecturer</strong></th>
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<tr>
<td>University based study</td>
<td>9 May 2017, Tuesday – Day 1</td>
<td>Introduction</td>
<td>Introduction to the module. What is HDU?</td>
<td>09.00-09.30</td>
<td>FWB G72</td>
<td>Lynne Wainwright</td>
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<td>Lecture</td>
<td>Physiological adaptation at birth</td>
<td>10.00-12.00</td>
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<td>Respiratory problems and support</td>
<td>13.00-15.00</td>
<td>FWB 1.14</td>
<td>Lynne / Annette</td>
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<td><strong>E Learning: Respiratory A&amp;P available on KEATS</strong></td>
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<td>Pain assessment and management</td>
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<td>GI / Stoma care</td>
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<td>Introduction to blood gas analysis</td>
<td>14.00-15.30</td>
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<td>10.00-12.00</td>
<td>WBW 2/21</td>
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**Key:**

FWB – Franklin-Wilkins building; Waterloo campus

WBB – Waterloo Bridge Wing; Waterloo campus