NU7521: Haemodialysis and Peritoneal Dialysis Nursing

Module coordinator  Fiona Murphy

Module Lecturers  Fiona Murphy, Glenda Taylor
  Educational facilitators, clinical facilitators, clinical nursing staff and multidisciplinary guest speakers

Hours and ECTS credits

<table>
<thead>
<tr>
<th>Assessment Student Effort</th>
<th>Direct Contact</th>
<th>Specified Activities</th>
<th>Self-Directed Learning</th>
<th>Direct Contact: Supervision</th>
<th>Total Hours</th>
<th>ECTS credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>30</td>
<td>Library Tutorials Seminars</td>
<td>100</td>
<td>20</td>
<td>200</td>
<td>10</td>
</tr>
</tbody>
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Rationale and Aims

The National Council for the Professional Development of Nursing (2002) identify that the specialist nurse should act as a consultant in clinical practice and education to both nurses and the wider multidisciplinary team. This highlights the evolving nature of the specialist nurses’ role, as one of change agent, management, leadership and utilising evidence based practice to ensure the attainment of excellence in patient care. The promotion of patient safety is a core element of providing quality care and must be integrated into all areas of healthcare delivery (DoH & C, 2009). It is vital therefore that nurses working within the renal specialist area have the proficient knowledge, skills, and attitudes to undertake this role.

This module aims to provide the student with theoretical and practical knowledge related to haemodialysis and peritoneal dialysis in the treatment of both acute and end-stage kidney disease. It also aims to enhance the student’s understanding, skills and attitudes so that he/she may utilise higher levels of clinical judgment, problem solving skills, communication and team skills and evidence based care to systematically care for patients, their partners and their families receiving these forms of renal replacement therapy.

Module Content

- Introduction to the Module
- Principles of Haemodialysis
- Permanent and Temporary Vascular Access
- Acute and Chronic Complications of Haemodialysis
- Diet and Renal Disease: Haemodialysis and Peritoneal Dialysis
- Principles of Cannulation of an Arteriovenous Fistula and Practice
- Water Quality
- Sodium and Ultrafiltration Profiling
- Blood Volume Monitoring
- Biocompatibility and Different Types of Dialysers
- Patient Education in Haemodialysis and Peritoneal Dialysis
- Dialysis Adequacy in Haemodialysis
- Renal Virology
- Acute Dialysis Prescription

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Learning Outcomes

On successful completion of this module, students should be able to:

- Critically evaluate the nursing assessment, planning, implementation and management of the patient requiring haemodialysis and peritoneal dialysis using current evidence of best practice and patient safety and quality within the multidisciplinary team.
- Critically demonstrate competence in the nursing management of haemodialysis and peritoneal dialysis patients.
- Critically explore the detrimental impact of end stage kidney disease and its effects on the physical, psychological, and social well being of the individual patient and his/her partner and family members.
- Critically explore the role of the renal nurse in holistic long-term monitoring and support of the patient requiring haemodialysis and peritoneal dialysis along with the importance of patient safety and the understanding and managing of clinical risk.

Methods of Teaching and Student Learning

- Group work, lecture, guest speakers, guided discussion, practical demonstrations, self-directed learning.

Methods of Assessment

<table>
<thead>
<tr>
<th>Method</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examination (3hrs) –</td>
<td>100%</td>
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<tr>
<td>Students must answer 3 questions out of 4.</td>
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<tr>
<td>One question from Section A of the Paper</td>
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</tr>
<tr>
<td>One question from Section B of the Paper</td>
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<tr>
<td>Student can answer the third question from either Section A or Section B</td>
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Indicative Resources – more detailed lists may be provided by lecturers


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