



**RCSI**

# POST GRADUATE DIPLOMA IN NURSING (RENAL CARE)

## MODULE DESCRIPTOR

RCSI DEVELOPING HEALTHCARE LEADERS WHO MAKE A DIFFERENCE WORLDWIDE

<b>Module Title</b>	Care of the Nephrology Patient
<b>Level of Learning</b>	9 NFQ
<b>Pre-requisite course</b>	Primary degree or equivalent
<b>ECTS Credits</b>	10
<b>Module Coordinator</b>	Ms Mary O'Neill Mr Paul Mahon
<b>Module Lecturers</b>	Ms. Ciara White RGN, RNT, DNS, MSc Nursing (Renal). Nursing, medical and allied health specialists in the area of caring for the renal patient will be included at appropriate stages in the module.

### Rationale of Module

In Ireland there are 3,775 patients living with end-stage renal disease (ESRD), the complete, or almost complete, failure of the kidneys to function (NRO, 2012). It is a worldwide public health problem that affects people from all racial and ethnic groups, and its incidence is rising (KDOQI, 2012). According to the National Renal Office of Ireland (2012) the number of patients with ESRD is to increase by 170-200 per year, which is attributed to our ageing population and rise in incidence of diabetes and hypertension. These statistics suggest that nurses will be responsible for the care of a larger proportion of chronic patients with renal disease in the future and therefore increases the importance of providing a comprehensive postgraduate nursing programme in renal care to meet the needs of this population.

### Module Aims

This module aims to enhance the student's knowledge, skills and attitudes necessary to provide evidence-based, holistic care for the adult patient in the context of nephrology nursing.

### Learning Outcomes

On successful completion of this module, the student will be able to:

- Critically explore the aetiology and pathophysiology of renal disorders and their physiological effects on other body systems.
- Critically evaluate the holistic assessment of the patient presenting with a diagnosis of renal disease.
- Critically evaluate the psycho-social impact of renal disease on the patient.
- Critically explore the key concepts of health promotion and health education and their application to nephrology nursing practice.
- Identify and critically evaluate relevant research, including national and international guidelines, in order to promote evidence-based practice within the renal setting.
- Synthesise knowledge and create responses to problems that develop and/or redefine existing practice within the renal setting.
- Critically evaluate and reflect on the professional role of the nephrology nurse within the inter-disciplinary settings and other members of the multi-disciplinary team.



## Indicative Syllabus

- The normal structure and functions of the renal system.
- Assessment kidney function.
- Aetiology and pathophysiology of renal disorders and their physiological effects on other body systems.
- The management and prevention of renal disorders and their complications.
- The pharmacology of commonly used medications, their kinetics and dose modifications in renal disease.
- The principles of dietary and fluid management in renal disorders.
- Psychosocial care of the patient with renal failure.
- Health education and health promotion and their application in nephrology nursing practice.

<b>Teaching Learning Activities</b>	<b>Hours</b>
Contact hours including face to face tutorials & workshops	<b>36</b>
Course work preparation	<b>44</b>
Directed reading & study	<b>160</b>
Assessment	<b>10</b>
<b>Total</b>	<b>250</b>

<b>Examination/ Assessment Method</b>	<b>Type of Assessment (Continuous/Terminal)</b>	<b>Weighting</b>
Examination (Written)	Terminal	100%

## Indicative Reading

Auer J. (2004) *Living Well with Kidney Failure*, Class Health, London.

Beauchamp T. & Childress J. (2001) *Principles of Biomedical Ethics*, Oxford University Press, USA

Benner P. (1984) *From Novice to Expert: Excellence and Power in Clinical Nursing Practice*, Addison-Wesley, London.

Burns A. (2003) *The Renal Drug Handbook*, Radcliffe Medical Press, UK.

Challinor P. & Sedgewick J. (1998) *Principles and Practices of Renal Nursing*, Stanley Thornes, UK.

Eckman M., Levine J. & Thompson G. (2008) *Fluid & Electrolytes Made Incredibly Easy*, 4th edn. Wolters Kluwer/ LWW, Philadelphia.

Scriven A. (2010) *Ewles & Simnett Promoting Health: A Practical Guide*, 6<sup>th</sup> edn. Bailliere Elsevier, Edinburgh.

Field M., Pollock C. & Harris D. (2001) *The Renal System*, Churchill Livingstone, Edinburgh.

Golightly L., Teitelbaum, I., Kiser, T., Levin, D., Barber, G., Jones, M., Stoplman, N., Lundin, L. (2013) *Renal Pharmacotherapy: Dosage Adjustment of Medications Eliminated by the Kidneys*. Springer. ISBN-10: 1461457998, ISBN-13: 978-1461457992

Jenkins K, Bennett, L, Wong T M H (Eds) (2011) *Conservative Care and Withdrawal from Dialysis. A Guide to Clinical Practice*. European Dialysis and Transplant Nurses Association/ European Renal Care Association (EDTNA/ERCA), Luzern.

Hricik D. (2002) *Nephrology Secrets*, Hanley & Belfus Inc, USA

Lehy D, Moinuddin I (2013) *Handbook of Nephrology*. Lippincott, Williams & Wilkins.

Mahon A. & Jenkins K. (Eds.) (2007) *Chronic Kidney Disease. (Stages 1- 3). A Guide to Clinical Practice*. European Dialysis and Transplant Nurses Association/ European Renal Care Association (EDTNA/ERCA), Luzern.

Mahon A. & Jenkins K. (Eds.) (2008) *Chronic Kidney Disease. (Stages 4- 5). A Guide to Clinical Practice*. European Dialysis and Transplant Nurses Association/ European Renal Care Association (EDTNA/ERCA), Luzern.



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- Naidoo J. & Wills J. (2000) *Health Promotion: Foundations for Practice, 2<sup>nd</sup> edn.* Bailliere Tindall, London.
- O'Callaghan C., Brenner B. (2000) *The Kidney at a Glance*, Blackwell Science, Oxford.
- Page, K., McKinney, A. (2012) *Nursing the Acutely Ill Adult: Case Book (Case Book Series)*. Open University Press. ISBN-10: 0335243096, ISBN-13: 978-0335243099
- Renneke, R., Denker, B. (2009) *Renal Pathophysiology: The Essentials (3<sup>rd</sup> edn.)* Lippincott, Williams & Wilkins. ISBN-10: 0781799953, ISBN-13: 978-0781799959
- Smith T. (1997) *Renal Nursing*, Bailliere Tindall, London.
- Sully P. & Dallas J. (2005) *Essential Communication Skills for Nursing*, Mosby, USA.
- Thomas N. (2002) *Renal Nursing, 2<sup>nd</sup> edn.* Bailliere Tindall, London.
- Thomas N. (2004) *Advanced Renal Care*, Blackwell Publishing, Oxford
- Thompson I., Melia K., Boyd K. & Horsburgh D. (2006) *Nursing Ethics*, Churchill Livingstone, UK.
- Schrier R. W. (Ed) (2009) *Manual of Nephrology, 7th edition.* Wolters Kluwer/ LWW, Philadelphia.

**Recommended Journals:**

- American Journal of Kidney Diseases
- Evidence Based Nursing
- Health Psychology
- Journal of Advanced Nursing
- Journal of Clinical Nursing
- Journal of Renal Care
- Kidney International
- Nephrology, Dialysis and Transplantation
- Nephrology Nursing Journal
- Nursing Ethics

**Additional reading material will be provided by individual lecturers**

**Date of Last Revision: August 2013**