



**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 Renal Transplant 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 & 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

At the end of 2012, 3918 kidney transplants have , with a total of 163 living and deceased donor transplants being completed in 2012 (Irish Transplant Registry, 2012). The advantages of renal transplantation over other forms of renal replacement therapy include; longer survival, better quality of life, improved fertility and better pregnancy outcomes, more independence, freedom to travel, etc. and is the most cost-effective form of treatment available to ESRD patients (Magee & Ishaq, 2013).

### Module Aims

The module aims to provide the student with comprehensive knowledge and critical thinking skills with regards to the management of adult patients receiving a renal transplant, criteria for recipient and donor selection, transplant immunology and the nursing issues associated with the management of renal transplant recipients.

### Learning Outcomes

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

- Critically discuss the factors, which influence the acceptance or exclusion of a patient to the transplant waiting list.
- Critically analyse the ethical, legislative and practical issues surrounding organ donation.
- Demonstrate critical awareness of the holistic nursing care and management of the renal transplant patient during the pre, peri and post operative period.
- Critically appraise the effects and side-effects of immunosuppressive therapy and their relationship to the long term management of the renal transplant recipient.

### Indicative Syllabus

- Evaluation and Selection criteria for renal transplantation
- Organ donation for transplantation
- Ethical Principles pertaining to organ donation and transplantation
- Living Donor Transplantation
- Transplant Immunology
- Transplant Pharmacology



- Immunosuppressive Regimes
- Pre-operative management of the renal transplant management
- The transplant operation
- Principles of Post operative renal transplant management
- Management of Acute Renal Failure of the transplant kidney
- Transplant Rejection
- The aetiology, pathophysiology, treatment, prevention and nursing management of complications.
- Patient Education
- Transplant follow-up care
- Psychological issues surrounding transplantation
- Outcomes and results of renal transplantation.
- Care and management of patients with a failing transplant.
- Therapeutic Plasma Exchange.

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

<b>Examination/ Assessment Method</b>	<b>Type of Assessment (Continuous/Terminal)</b>	<b>Weighting</b>
Written Nursing Assessment	Continuous	10%
Clinical Case Study	Terminal	90%

### Indicative Reading

Allen R. & Chapman J. (1994) *A Manual of Renal Transplantation*, Edward Arnold, Kent.

Chambers E., Germain M. & Brown E. (2004) *Supportive Care for the Renal Patient*, Oxford University Press, Oxford.

Danovitch G. (2005) *Handbook of Kidney Transplantation, 4<sup>th</sup> edn.* Lippincott Williams & Wilkins, Philadelphia.

Hricik D. (2003) *Kidney Transplantation*, Remedica, London.

Lerma E., Berns J. & Nissenson A. (2009) *Current Diagnosis & Treatment: Nephrology & Hypertension*. McGraw-Hill Medical, New York.

Levinsky N. (2001) *Ethics and the Kidney*, Oxford University Press: Oxford.

McKay D. & Steinberg S. (2010) *Kidney Transplantation: A Guide to the Care of Kidney Transplant Recipients*. Springer, New York.

Molzahn A. & Butera E. (2006) *Contemporary Nephrology Nursing: Principles and Practices, 2<sup>nd</sup> edn.* American



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Nephrology Nurses Association, Pitman, New Jersey.

Steiner R. (2004) *Educating, Evaluating and Selecting Living Kidney Donors*, Kluwer Academic Publishers, Dordrecht.

Terrill B. (2003) *Renal Nursing (2<sup>nd</sup> edn.)*, Balliere Tindall, London.

**Useful Journals**

American Journal of Transplantation

Clinical Transplantation

Journal of Advanced Nursing

Kidney International

Nephrology, Dialysis and Transplantation

Therapeutic Apheresis and Dialysis

Transplantation

Transplant Immunology

Transplant Proceedings

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

**Date of Last Revision: August 2013**