



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

Deralakatte, Mangaluru -575018

Value Added Course

Dialysis Nursing

Course Code - YN103

ATTESTED

[Signature]
Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka

[Signature]
Principal / Dean
Yenepoya Nursing College
Deralakatte
Mangalore-575018

Evaluation

- Examination will be conducted by Yenepoya Nursing College affiliated to Yenepoya (Deemed to be University).
- Eligibility to appear for University Exam
 - i. 80% attendance in theory
 - ii. 100% attendance in practical
- Criteria for pass: Minimum 50% marks each in internal Assessment and final assessment

STUDENT INTAKE - 20 students

PLACEMENT OF SUBJECT: IVBSc Nursing

Award of Certificate

- a) Certificate will be awarded by Yenepoya Nursing College which is affiliated to Yenepoya (Deemed to be University).

Submission of application: Beginning of the academic year

For further information contact:

Principal
Yenepoya Nursing College
Yenepoya (Deemed to be University) Deralakatte, Mangaluru.
Email: yncoffice@yenepoya.edu.in
principalync@yenepoya.edu.in
Website: www.yenepoya.edu.in
Phone: 0824 - 2204668 / 69 / 70



YENEPOYA NURSING COLLEGE

A Constituent College of Yenepoya (Deemed to be University)
University road, Deralakatte, Mangaluru -575018



ADD-ON COURSES FOR STUDENTS

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka

Preamble

Professionally qualified graduates with a sound knowledge of their core disciplines and expertise will have more employment opportunities in the future. Industry demands professionally graduates who possess adequate skills.

Scope and Need

Nursing is a complex and challenging profession. Nursing professionals must learn and practice multiple skills as they move from beginner to advanced level in their career. At the basic level, nursing students must learn the psychomotor skills to perform various procedures and treatments. At higher level, working nurses need to apply the theoretical and evidenced based information that underpins task performance. Offering value added courses are the best measures to identify the interest of graduating nurses and to equip them with essential skills

Career prospects

Pursuing add-on/value added courses will definitely add more value to a candidate's transcript and curriculum Vitae. The candidate is more likely to be considered for the job.

Courses offered:

Add on course gives an opportunity to obtain additional certificates during the B.Sc(N) programme.

SL NO	NAME OF THE COURSE	DEPARTEMENT
1.	Critical Care Nursing	Medical Surgical Nursing
2.	Dialysis Nursing	Medical Surgical Nursing
3.	Disaster Management	Community Health Nursing
4.	Gero- Psychiatric Nursing	Mental Health Nursing
5.	Critical Care in Obstetrical Nursing	Obstetrics and Gynaecological Nursing

Eligibility


Candidates who have enrolled for BSc Nursing course

DURATION INCLUDING THEORY AND PRACTICAL HOURS

Theory: 30 hours

Practical: 90 hours

ATTESTED


Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka

Contents

Dialysis Nursing

Preamble:

Dialysis nurses are experts in all types of dialysis, including haemodialysis and peritoneal dialysis. Dialysis nurses work closely with professionals from many disciplines, including physicians, dieticians, social workers and technicians. They also help patients understand their illness and treatment options and show them how to manage their disease through self-care and medication.

Scope and need:

Dialysis nurses must have a comprehensive knowledge of kidney disease and be able to apply this knowledge to their practice. Sophisticated technical skills are required in all types of dialysis not only to operate the complex machinery, but also to work with the many types of intravenous lines required.

Dialysis nurses must have a keen attention to detail, as administering dialysis requires strict adherence to protocols.

Dialysis nurses also need educational skills, as they teach patients of all ages and backgrounds about their disease and motivate patients to take care of themselves..

Career opportunities:

After the completion of course nurses can work in Hemodialysis/peritoneal dialysis unit.

Course objectives:

Course aims to develop skills and attitude of student nurses to provide competent care to the patients having renal diseases and disorders in the various Hospital settings .

At the completion of course learner will be able to:

- Understand the basic principles and practices of infection control.
- Identify the fluid balance and nutrition of dialysis patient
- Perform and assist in process of dialysis of the patient.

Dialysis nursing/YN103

ATTESTED

- Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka


Principal / Dean
Yenepoya Nursing College
Deralakatte
Mangalore-575018

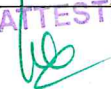
- understand various aspects haemodialysis and peritoneal dialysis with special emphasis on role of nurse.


Theory – 30 hours

Practical – 90 hours

Unit No	Hours	Objectives	Content	Method of teaching
I	T:5hrs P:10 hrs	Understand the basic principles and practices of infection control	<p>Universal precautions, principles and practices</p> <ul style="list-style-type: none"> • Infection, Types, causes, sources, diagnosis of infection • Principles of universal precautions (gowning, gloving, mask) • Methods of disinfection and sterilization(Instruments, machine and dialysis unit itself) • Waste disposal • Common infection in dialysis patients • Hepatitis B vaccination • Role of nurse in infection prevention 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Supervised clinical practice</p>
II	T:5hrs P:10hrs	Identify the fluid balance and nutrition of dialysis patient	<p>Nutrition and fluid balance</p> <ul style="list-style-type: none"> • Nutritional assessment of patient undergoing dialysis • Factors causing malnutrition in dialysis • Recommendation of nutrition requirement in dialysis 	<p>Lecture discussion</p> <p>Supervised clinical practice</p>


Dialysis nursing/YN103

ATTESTED

 Dr. Gangadhara Somayaji K.S.
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore- 575 018, Karnataka


 Principal / Dean
 Yenepoya Nursing College
 Deralakatte
 Mangalore-575018

			<ul style="list-style-type: none"> • Management of malnutrition in dialysis <p>Dry weight and fluid management in Hemodialysis</p> <ul style="list-style-type: none"> • Concept of dry weight • Consequences of excess fluid in body • Role of Nurse in maintaining body fluid 	
III	T:10hrs P:40 hrs	Perform and assist in process of dialysis	<ul style="list-style-type: none"> ❖ Basics of Dialysis <ul style="list-style-type: none"> • Dialysis definition ❖ Patient assessment and initiation of dialysis <ul style="list-style-type: none"> • Assessment of patient for need of dialysis • Indications for dialysis • Role of Nurse initiation dialysis • Preparation of dialysis procedure (pt& unit) initiation of dialysis • assessment during and after dialysis ❖ Principle of dialysis ❖ Temporary and permanent vascular access, including AVFistula and graft <ul style="list-style-type: none"> • Central vein access (Femoral, jugular and Subclacvian) • AV shunt • AV Fistula • AV Graft • Permacath • Role of Nurse assisting in Procedures ❖ Principle and practice of cannulation <ul style="list-style-type: none"> • Methods of cannulation • Button hole technique. 	<p>Lecture discussion</p> <p>Demonstration</p> <p>clinical practice</p>

Dialysis nursing/YNI03

ATTESTED

 Dr. Gangadhara Somayaji K.S.
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore- 575 018, Karnataka


 Principal / Dean
 Yenepoya Nursing College
 Deralakatte
 Mangalore-575018

IV	T:10hrs P:30 hrs	Understand the various aspects of haemodialysis and peritoneal dialysis with special emphasis on role of nurse.	<ul style="list-style-type: none"> ❖ Introduction to Hemodialysis and peritoneal dialysis <ul style="list-style-type: none"> • Hemodialysis • Peritoneal dialysis ❖ Nursing care of patient on Hemodialysis <ul style="list-style-type: none"> • Assessment of patient on dialysis • Nursing diagnosis • Vascular access – Arteriovenous fistula, Arteriovenous graft • Pharmacological therapy – Nurse role • Meeting Psychosocial Needs of patient • Continuing care – home hemodialysis • Complications of Dialysis-Acute and longterm 	Lecture discussion Demonstration Supervised clinical practice
----	---------------------	-----------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------

Regulations:

1. **Title of the course:** Add-on course Dialysis nursing
2. **Eligibility:** Candidates who are pursuing Basic B.Sc Nursing course
3. **Placement:** Offered for IV year B.Sc (N) students during Internship
4. **Annual Intake (No of seats):** 20
5. **Duration of the course:**


Including hours of theory/practical:


- Theory:30 hours
- Practical: 90 hours

6. Additional faculty requirements:

- Guest Faculty specialized in Dialysis care treatment
- Staff nurses working in Renal ICU/Dialysis unit
- Nephrologist/Urologist
- Dialysis technician
- M.Sc nursing specialized in Nephro-Urology

Dialysis nursing/YN103


ATTESTED
 Dr.Gangadhara Somayaji K.S.
 Registrar
 Yenepoya(Deemed to be University)
 University Road, Deralakatte
 Mangalore- 575 018, Karnataka


 Principal / Dean
 Yenepoya Nursing College
 Deralakatte
 Mangalore-575018

7. Additional infrastructure required: One class room

8. Attendance: A candidate must have a minimum 80% attendance in theory and practical, in each subject, for appearing for examinations, irrespective of the kind of absence she/he may have had.

9. Criteria for eligibility to appear for exam:

- Theory: 80%
- Practical: 100%

10. Evaluation:

- **Formative evaluation:** Group activity, case discussion, Demonstration, assignment
- **Conduct of final college examinations :** Online MCQ test – 40 marks

11. Criteria for pass: In order to pass a candidate should obtain at least 50% marks aggregate including internal Assessment and marks obtained in the examination conducted by the department of Medical Surgical Nursing, Yenepoya Nursing College.

Grading:

- 90% to 100% - A⁺
- 80% to 89% - A
- 70% to 79% - B⁺
- 60% to 69% - B
- 50% to 59% - C

12. Award of Certificate

TITLE: Add-on course **Dialysis nursing** will be awarded by **Yenepoya Nursing College**.



13. Library/ Requirements of books: Central Library contains a collection of updated new editions of books, journals and periodicals. For the benefit of students, the central library remains open from 9am to 12 midnight.

14. Stipend: nil

15. Date of commencement: academic year 2019-2020 onwards


16. References :

Dialysis nursing/YN103

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka

Principal / Dean
Yenepoya Nursing College
Deralakatte
Mangalore-575018

1. JermyLevy. Oxford Handbook of Dialysis. 2nd ed. New York: Oxford University Press; 2004.
2. Allen R Nissenson. Handbook of dialysis Therapy. 4th ed. Philadelphia: Elsevier publishers;2008.
3. John T Daugirdas .Handbook of Dialysis.4th ed. New Delhi: WolterKluwers publishers;2007.
4. Sharon L Lewis. Medical surgical Nursing Assessments & management of Clinical problems. 7thed . India : Elsevier publishers ; 2007.
5. Gabriel M Danovitch. Handbook of Kidney transplantation. 4th ed. wolter Kluwerpublishers; 2005.
6. Nicholas A Boon. Davidson's Principles and Practice of medicine.20th ed. India: ChurchillLiving stone publishers;2006.
7. Lee Goldman. Cecil Medicine.23rd ed. Philadelphia : Elsevier publishers;2007.
8. Suzanne C Seltzer, Brunner & Suddharth.Medical surgical Nursing. 11th ed. New Delhi: J.B.Lippincott publishers;2008.
9. Luckmann& Sorensen. Medical surgical Nursing A psychophysiology approach. 4th ed. Saunders publishers;1993..
10. M A Salam. Principals and Practice of Urology-a comprehensive text.1st Ed. Bangladesh : MASpublishers;2002.

ATTESTED


Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka