



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	Renal nutrition Fellowship(fRN)
(2) Part of the programme:	Semester 4
(3) Date of last approval of programme specification by Faculty council	9/8/2016
(4) Course title:	<ol style="list-style-type: none">1. Nutritional management for CKD patients with special needs2. Additional nutritional considerations in kidney disease
(5) Course Code	fRN4
(6) Total teaching hours:	8 credit hours

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

- Provide detailed information about nutritional support for special categories like pregnancy, children with CKD
- Address renal nutrition practice and issues affecting dietary adherence and counseling approaches

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A18. Demonstrate knowledge of nutritional management of renal disease in pregnancy, infancy, childhood and aging adult.

A19. Explain dietary management in nephrotic syndrome and nephrolithiasis

A20. Recognize public policy and renal nutrition practice in the past, present and future

A21. Explain issues affecting dietary adherence and counseling approaches.

B- Intellectual skills:

B3 Construct appropriate management strategies (both diagnostic and therapeutic) for patients with different patterns of kidney disease.

B4 Design an initial course of management for stabilization of patients with Renal disease.

B5 Classify factors that place individuals at risk for disease or injury, to determine strategies for appropriate response.

B6 Retrieve, analyze, and synthesize relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence (EBM).

B7 Recognize and cope with uncertainty by:

a. Accepting that uncertainty is unavoidable in the practice of medicine.

b. Using appropriate cognitive strategies to deal with uncertainty when it arises.

C- Professional/practical skills

C1- Prepare nutritional plan tailored according to every renal patient needs

C2- Provide the maximum protective measures to avoid the risks of malnutrition in renal patients

C3- Diagnose of common and life threatening illnesses affecting the body and each of its major organ systems, presenting throughout the age spectrum.

C4- Write competently and evaluate professional reports and referral letters related to his specialty

C5- Perform bedside assessment of nutritional adequacy.

D- Communication & Transferable skills:

D1. Use Evidence Based Medicine in management decisions.

D2. Work effectively within the health care team.

D3. Solve problems related to patients, work management, and among colleagues.

D4. Cope with a changing work environment.

(3)Course content:

Course title	Code	Hours/lectures	Credit Hours
<u>1-Nutritional management for CKD patients with special needs</u>	fRN4		6
• Pregnancy		9	
• Infancy, childhood and adolescence		9	
• The elderly		9	
• Nephrotic syndrome		9	
• Nephrolithiasis		9	
<u>2- Additional nutritional considerations in kidney disease</u>			
• Public policy& renal nutrition practice		9	
• Dietary supplements and herbal medicine		9	
• Dietary adherence		9	
• Counseling approaches		9	
• Practice guidelines and outcomes research	9		

***Clinical training 6hrs./w for 10 weeks (2 credit hours)**

(3) Teaching methods:

4.1: Online lectures and discussions.

4.2: Problem solving case scenarios.

4.3: Clinical training in nephrology units

(4) Assessment methods:

-Online MCQs and EMQs exam after end of 4th semester.

(5) References of the course:

Textbooks

- Brenner's textbook of nephrology.
- Nutrition in Kidney disease, 2nd edition
- Basics of human nutrition 2nd edition
- Handbook of hemodialysis 5th edition
- Oxford handbook of dialysis
- Chronic Kidney Disease, Dialysis, and Transplantation, Companion to Brenner and Rector's the Kidney (by Brian J.G. Pereira; Mohamed Sayegh & Peter R. Blake.
- Comprehensive clinical Nephrology textbook
- Oxford textbook of clinical Nephrology
- Shaul El-Massry textbook of nephrology.

Periodicals

- Advances in Chronic Kidney Disease.
- American Journal of Hypertension.
- American Journal of Kidney Diseases.
- Clinical nephrology.
- Current Opinion in Nephrology & Hypertension.
- Journal of Renal Nutrition.
- Journal of the American Society of Nephrology.
- Kidney International.
- Nephrology, dialysis and transplantation.

- Pediatric Nephrology.
- Scandinavian Journal of Urology and Nephrology.
- Seminars in Dialysis.
- Seminars in Nephrology
- The Internet Journal of Nephrology.
- Peritoneal dialysis international

Web Sites:

- American Society of Nephrology
- ESNT virtual academy
- American Society of Transplantation
- EDTA-ERA Educational
- Kidney Directions
- National Kidney Foundation
- Nephrology gateway
- Up-To-Date

(6) Facilities and resources mandatory for course completion:

- Programme Specification and Handbooks
- Extensive library and other learning resources
- Computer laboratories with a wide range of software
- Intranet with a wide range of learning support material

Course director:

Prof.: Hussein shaeshaa

Course co-ordinator:

Dr. Ahmed Mohammed Abd El Wahab

Date: