



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nephrology							
Course Code		DY203		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		In this course, aimed to gain knowledge and skills related anatomy of the kidney and the physiology of the kidney and urinary system diseases.							
Course Content		The basic functions and regulation of the kidneys. Etiology and clinical in CRF patients (uremic syndrome). Acid -base balance and disorders. Overview of indications and contraindications to renal replacement therapy . Writing hemodialysis adequacy and appropriate prescription of treatment fluid - electrolyte balance disorders in chronic hemodialysis patients . And treatment of complications seen during HD.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Lecture Notes
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Week	Weekly Detailed Course Contents	
1	Theoretical	And regulation of the basic functions of the kidneys
2	Theoretical	The CRF etiology and clinical (uremic syndrome)
3	Theoretical	Acid-base balance and its disorders
4	Theoretical	Overview indications contraindications to renal replacement therapy
5	Theoretical	Fluid and Electrolyte Balance Disorders
6	Theoretical	Writing of dialysis adequacy and appropriate prescription of treatment in chronic hemodialysis patients
7	Theoretical	And treatment of complications seen during HD
8	Intermediate Exam	MIDTERM EXAM
9	Theoretical	Ways of protection from infections and infections in dialysis patients
10	Theoretical	Glomerulonephritis and treatment
11	Theoretical	Peritoneal dialysis physiological principles and peritonitis
12	Theoretical	Peritoneal dialysis physiological principles and peritonitis
13	Theoretical	Crush syndrome and prophylaxis
14	Theoretical	Conservative treatment in CRF
15	Theoretical	Diabetes mellitus and cardiovascular disease



Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Seminar	10	0	2	20
Midterm Examination	1	5	1	6
Final Examination	1	6	1	7
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Having knowledge about the basic functions and the regulation of kidney.
2	CRF in the etiology and clinical (uremic syndrome) have knowledge about
3	Having knowledge about conservative treatment in CRF patients
4	To learn fluid electrolyte disorders in hemodialysis patients
5	Understanding the overview of renal replacement therapies

Programme Outcomes (Dialysis)

1	To be able to comprehend the duties and responsibility of dialysis technicians. To be able to work in a team with members of other health professions.
2	To be able to acquire a general knowledge of human anatomy, physiology and biochemistry
3	To be able to gain knowledge of blood-borne infectious diseases, especially infectious diseases such as hepatitis and universal prevention methods
4	To be able to have knowledge of blood-borne infectious diseases, especially infectious diseases such as hepatitis and universal prevention methods
5	To be able to recognize hemodialysis machine, and have knowledge and skills will be used it during operation of dialysis
6	To be able to have the knowledge of application on peritoneal dialysis and skills be able to train patient on this.
7	To be able to acquire dialysate characteristics, have necessary skills on preparation and application
8	To be able to gain the knowledge and skills on the basic principles of water treatment, application methods, and control of purified water as a level of practitioner
9	To be able to comprehend the principles of patient care, complications during dialysis operation what patients may be encounter and perform necessary knowledge and skills to take necessary measures to protect patient from these complications.
10	To be able to gain knowledge and equipment related to educating on problems that the long-term dialysis patients may have.
11	To be able to understand periodic examinations during the follow up dialysis patients and recognize pathologies in the early period, and have the knowledge and skills to take necessary precautions in time
12	To be able to have the knowledge of the dialysis patients, physiological, social and psychological problems, and perform necessary support skills on these issues for the patient
13	In general to be able to comprehend the knowledge of, drugs, dosage, side effects, and toxic effects, routes of administration of drugs and drug use in patients with chronic renal failure
14	To be able to acquire a high level knowledge of fluid and electrolyte problems with general issues nephrology, acid-base balance disorder, nephrology and urology kidney disease, chronic and acute renal failure.
15	To be able to comprehend the methods of diagnosis and treatment of diseases of the system, and have knowledge of fighting and protecting from especially problems that can be seen in dialysis patients as level of practitioner and getting patient compliance.
16	To be able to have knowledge of statistics and research methods as a level of following the developments, monitoring and interpreting scientific publications.
17	To be able to gain the knowledge of foreign language as a level of communicating and following developments.
18	To be able to be willing to self-improvement as an individual committed to the principles and reforms of Atatürk and keeping on the some of the rules of social life, customs and traditions, depending on the interests of the country on their own interests as a member of society,

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P2	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P11	3	3	3	3	3
P14	5	5	5	5	5



P16	4	4	4	4	4
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