



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Fluid and Electrolyte Therapy							
Course Code		VCR610		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	126 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		To gain knowledge and skills about fluid and electrolyte imbalances and their treatment.							
Course Content		The course content include fluid balance, electrolytes, cation-anion balance, osmolality, normal water requirement, dehydration types, the methods used to calculate the loss of liquid, the fluid selection, crystalloid and colloid fluids, fluid administration methods, the calculation of fluid volume, commercial preparations.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Assoc. Prof. Rahime YAYGINGÜL							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Seminar	1	10

Recommended or Required Reading

1	1.Başaklar CA. Sıvı ve elektrolitler. Fizyoloji ve Patofizyoloji.(Çeviri: Cogan MG), Palmiye Yayın. Ankara, Antalya, 1994 2.Samsar, E., Akın , F. (2002). Genel Cerrahi. Malatya; Medipress.
2	2. Samsar, E., Akın , F. (2002). Genel Cerrahi. Malatya; Medipress.

Week	Weekly Detailed Course Contents	
1	Theoretical	The distribution of body fluids in the organism
2	Theoretical	Water penetration into extracellular area
3	Theoretical	Excessive extracellular fluid loss, and the effects
4	Theoretical	Types of dehydration and dehydration
5	Theoretical	Calculation of fluid loss
6	Theoretical	Organism and electrolyte loss
7	Theoretical	Fluid and electrolyte application in the pre-and post-operative period.
8	Intermediate Exam	Midterm exam
9	Theoretical	Acid-base balance
10	Theoretical	Metabolic acidosis
11	Theoretical	Respiratoric acidosis
12	Theoretical	Metabolic alkalosis
13	Theoretical	Respiratoric alkalosis
14	Theoretical	Considerations in the treatment of fluid and electrolyte-1
15	Theoretical	Considerations in the treatment of fluid and electrolyte-2
16	Theoretical	Considerations in the treatment of fluid and electrolyte-3
17	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Seminar	2	0	25	50
Individual Work	1	20	0	20
Midterm Examination	1	20	1	21



Final Examination	1	20	1	21
Total Workload (Hours)				126
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	1. Students will have a basic knowledge of fluid and electrolyte balance in the body.
2	2. Students know calculate the amount of fluid and electrolyte loss.
3	3. Student can apply appropriate fluid and electrolyte supplementation.
4	To learn knowledge and propose suggestions on the area.
5	To find out and use resources about the profession in the area.

Programme Outcomes (Surgery (Veterinary Medicine) Doctorate)

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	

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

	L1	L2	L3
P1	5	5	5
P2	5	5	5
P3	4	4	4
P4	4	4	4
P5	4	4	4
P6	4	4	4
P7	2	2	2
P8	4	4	4
P9	3	3	3
P10	4	4	4
P11	4	4	4
P12	3	3	3

