

Project Number: 2022-1-RO01-KA220-HED-000087854

FLUID AND ELECTROLYTE MANAGEMENT

LEARNING OUTCOMES

FLUIDS AND ELECTROLYTES ARE ESSENTIAL IN INTENSIVE CARE UNITS. THE CALCULATION OF THE DOSES MUST BE VERY PRECISE AND NURSES MUST KNOW HOW TO ADMINISTER AND CALCULATE THOSE DOSAGES, IN ORDER TO AVOID POSSIBLE MEDICAL FAULTS. THE NURSE WILL LEARN HOW TO ADMINISTER POTASSIUM, SODIUM, MAGNESIUM, CALCIUM, CRYSTALLOIDS, COLLOIDS AND BLOOD TRANSFUSIONS TO NEONATES.

ECTS CREDITS

3 ECTS

Theoretical courses	Teaching Methodology	Number hours	of
Potassium	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	
Sodium	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	
Crystalloids and colloids	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	
Renal function of premature and term	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	
Transfusions of red blood cells	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	
Transfusion of platelets and blood products	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	
Calcium and magnesium	Lectures, Independent Study, Problem– based Learning, E-learning, Online platform	2	

Practical activities	Teaching Methodology	Number of hours
Administration of fluids to the neonates in NICU and Implement knowledge on case scenarios	Laboratory and Practical Study, Virtual laboratory, Online platform, E—learning	2



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Evaluation		
Course activities – percent of the final grade - 60%	Practical activities – percent of the final grade - 40%	
Final mark		

	Training Methods
-	ectures
-	ndependent Study
-	aboratory and Practical Study
-	Problem-based Learning
	Innovative Digital Training Methods
-	/irtual laboratory
-	Dnline platform
-	-learning

