

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

2 ECTS

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



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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	4

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

Training Methods
<ul style="list-style-type: none"> - Lectures - Independent Study - Laboratory and Practical Study - Problem-based Learning
Innovative Digital Training Methods
<ul style="list-style-type: none"> - Virtual laboratory - Online platform - E-learning

