

## BASIC NEONATAL PHARMACOLOGY

### LEARNING OUTCOMES

DURING THE EVERYDAY WORK THE NURSE WILL ADMINISTER ALMOST EVERY PATIENT SOME MEDICATION. THE KNOWLEDGE OF THE BASIC NEONATAL PHARMACOLOGY WILL HELP TO AVOID POSSIBLE FAULTS DURING THE NURSING CARE OF THE PATIENTS. THE NURSE WILL LEARN ABOUT THE PHARMACOKINETICS, PHARMACODYNAMICS, SIDE EFFECTS AND ROUTE OF ADMINISTRATION. THE SUBJECTS THAT ARE TAUGHT INCLUDE THE MOST COMMON NEONATAL MEDICINE SUCH AS ANTIBIOTICS, MEDICINE FOR THE PULMONARY, CARDIOVASCULAR, NEUROLOGICAL AND GASTROINTESTINAL SYSTEM.

### ECTS CREDITS

3 ECTS

<i>Theoretical courses</i>	<i>Teaching Methodology</i>	<i>Number of hours</i>
Antibiotics in NICU	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2
Caffeine use	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2
O2 and NO administration	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2
Gastrointestinal pharmacology and vitamins	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2
Surfactant administration	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2
Cardiovascular pharmacology	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2
Neurological drugs and anti inflammatory	Lectures, Independent Study, Problem-based Learning, E-learning, Online platform	2



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<b>Practical activities</b>	<b>Teaching Methodology</b>	<b>Number of hours</b>
Administration of the medication to the neonates in NICU and Implement knowledge on case scenarios.	Laboratory and Practical Study, Virtual laboratory, Online platform, E-learning	2

<b>Evaluation</b>	
<i>Course activities – percent of the final grade - 70%</i>	<i>Practical activities – percent of the final grade - 30%</i>
<i>Final mark</i>	

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

