

CRITICAL CARE NURSING IN PEDIATRICS AND NEONATOLOGY

LEARNING OUTCOMES

SKILLS

- MAKING HISTORY, COMPLETE CLINICAL EXAMINATION IN PAEDIATRICS
- PERFORMING BASIC AND ADVANCED DIAGNOSTIC AND THERAPEUTIC MANEUVERS IN CHILDREN
- FORMULATING A POSITIVE DIAGNOSIS IN PEDIATRICS AND NEONATOLOGY
- DEVELOPMENT OF A TREATMENT PLAN INDIVIDUALIZED FOR NEWBORN AND CHILD
- PRESENTATION OF A CLINICAL CASE OF PEDIATRIC

COMPETENCES

- ACQUISITION OF ORAL AND WRITTEN COMMUNICATION SKILLS WITH BOTH MOTHER AND PEDIATRIC PATIENT.
- ACHIEVING A WORK / PROJECT, PERFORMING SPECIFIC TASKS RESPONSIBLY IN A TEAM ROLE.
- COORDINATED PROJECTS TO SOLVE SPECIFIC PROBLEMS PEDIATRIC FIELD, THE CORRECT EVALUATION OF WORKLOAD,
- TO APPLY THE PRINCIPLES OF ETHICS AND PROFESSIONAL ETHICS IN THE FIELD

KNOWLEDGE

- ACQUISITION OF PHYSICAL AND FUNCTIONAL CHARACTERISTICS OF A HEALTHY CHILD TO DISTINGUISH HIM FROM THE SICK ONE.
- PROVIDE STUDENTS WITH THE REQUIRED KNOWLEDGE TO BE ABLE TO TAKE A MEDICAL HISTORY FROM THE PARENTS AND CHILD,
- TO PERFORM AN APPROPRIATE CLINICAL EXAMINATION;
- TO KNOW THE EMERGENCY PATHOLOGIES OF CHILDHOOD
- TO PROVIDE THE SPECIFIC CARE NURSING FOR ALL TYPE OF PATHOLOGIES FOR NEWBORNS AND CHILDREN

ECTS CREDITS

2 ECTS

<i>Theoretical courses</i>	<i>Teaching Methodology</i>	<i>Number of hours</i>
Critical care nursing in neonatal pathology: asphyxia, reanimation of newborn, hyaline membrane disease, ulcero-necrotic enterocolitis, newborn infections, jaundice, hemolytic disease of newborn	Oral presentation + multimedia, E-learning. Online platform	2
Critical care nursing in respiratory pathology in children : Infections of the upper respiratory tract; cough in children; acute laryngitis, bronchiolitis, pneumonia, asthma	Oral presentation + multimedia, E-learning. Online platform	2
Critical care nursing in cardiovascular disorders in children: congenital heart defects(CHD), cardiac failure, endocarditis, myocarditis, pericarditis	Oral presentation + multimedia, E-learning. Online platform	2



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Critical care nursing in digestive disorders in children: acute gastroenteritis in children. Acute dehydration syndrome. gastro-esophageal reflux; peptic disease and gastritis.	Oral presentation + multimedia, E-learning. Online platform	2
Critical care nursing in renal disorders in children: Acute diffuse glomerulonephritis; nephrotic syndrome, urinary tract infections, renal failure	Oral presentation + multimedia, E-learning. Online platform	2
Critical care nursing in hemoragic disorders in children: Purpura Henoch-Schonlein; Idiopathic thrombocytopenic purpura; hemophilia & oncological diseases: Leukemia, Wilms tumor, Neuroblastoma, Hodgkin and non-Hodgkin Lymphoma	Oral presentation + multimedia, E-learning. Online platform	2
Critical care nursing in neurological disorders in children: Seizures, Meningo-encephalitis, Cerebral palsy, Pediatric Psychiatric Disorders: Autism Spectrum Disorder. Critical care nursing in diabetes mellitus in children	Oral presentation + multimedia, E-learning. Online platform	2

Practical activities	Teaching Methodology	Number of hours
Week 1: Clinical Observational sheet. Clinical exam in children. Nursing and performing critical care characteristic maneuvers neonatal pathology: asphyxia, reanimation of newborn, hyaline membrane disease, ulcero-necrotic enterocolitis, newborn infections, jaundice, hemolytic disease of newborn	Practical demonstrations, practical critical care manoeuvres characteristics for neonatal pathology. Virtual laboratory	4
Week 2. Nursing and performing critical care characteristic maneuvers in respiratory pathology in children: Infections of the upper respiratory tract; cough in children; acute laryngitis, bronchiolitis, pneumonia, asthma	Practical demonstrations, practical critical care manoeuvres characteristics for respiratory pathology. Virtual laboratory	4
Week 3. Nursing and performing critical care characteristic maneuvers cardiovascular disorders in children: congenital heart defects(CHD), cardiac failure, endocarditis, myocarditis, pericarditis	Practical demonstrations, practical critical care manoeuvres characteristics for cardiovascular pathology. Virtual laboratory	4
Week 4. Nursing and performing critical care characteristic maneuvers in digestive disorders in children: acute gastroenteritis in children. Acute dehydration syndrome. gastro-esophageal reflux; peptic disease and gastritis.	Practical demonstrations, practical critical care manoeuvres characteristics for digestive pathology. Virtual laboratory	4



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Week 5. Nursing and performing critical care characteristic maneuvers in renal disorders in children: Acute diffuse glomerulonephritis; nephrotic syndrome, urinary tract infections, renal failure	Practical demonstrations, practical critical care manoeuvres characteristics for renal pathology. Virtual laboratory	4
Week 6. Nursing and performing critical care characteristic maneuvers in hemoragic disorders in children: Purpura Henoch-Schonlein; Idiopathic thrombocytopenic purpura; hemophilia & oncological diseases: Leukemia, Wilms tumor, Neuroblastoma, Hodgkin and non-Hodgkin Lymphoma	Practical demonstrations, practical critical care manoeuvres characteristics for hemoragic disorders and oncological diseases. Virtual laboratory	4
Week 7. Nursing and performing critical care characteristic maneuvers in neurological disorders in children: Seizures, Meningo-encephalitis, Cerebral palsy, Pediatric Psychiatric Disorders: Autism Spectrum Disorder. Nursing diagnosis and therapeutic approach in diabetes mellitus in children	Practical demonstrations, practical critical care manoeuvres characteristics for neurological pathology and Diabetes mellitus. Virtual laboratory	4

References

1. Sivestri LA, Silvestri AE. Comprehensive review for the NCLEX-RN examination, 8th ed, Saunders, 2019, ISBN: 9780323358415
2. Kliegman R, Stanton B, St. Geme, Schor N. Nelson Textbook of Pediatrics, 2-Volume Set, 20th Edition, 2015 Elsevier, ISBN: 9781455775668
3. Lissauer T, Carroll W. Illustrated Textbook of pediatrics, 2012, 5th edition, Elsevier, ISBN: 9780723438717
4. Ganti Latha, Lebowitz D, Rosario J, Vera A. Step-up to USMLE Step2 CK, 5th edition. 2020.
5. Marino PL: The ICU Book, 4th ed., Lippincott Williams Wilkins, 2014
6. Kumar and Clark's Clinical Medicine, Elsevier publishing house, 10th edition, July 2020

Evaluation

<i>Course activities – percent of the final grade - 50%</i>	<i>Practical activities – percent of the final grade - 50%</i>
<i>Final mark</i>	

Training Methods

- Lectures
- Independent Study
- Clinical stages

Innovative Digital Training Methods

- Virtual laboratory
- Online platform
- E-learning

