Postgraduate Diploma

Ventilatory Techniques and Parameters in NIMV for Nursing

tech global university

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Postgraduate Diploma

Ventilatory Techniques and Parameters in NIMV for Nursing

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Global University**
- Credits: **6 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-ventilatory-techniques-parameters-nimv-nursing**

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01

Introduction

Recent scientific advances have led to the development of techniques to implement Non-Invasive Mechanical Ventilation in patients, as well as strategies to adjust their ventilatory parameters. In this way, a greater adaptation of respiratory support to the needs of each individual is achieved, favoring their well-being and significantly speeding up their recovery. Therefore, an in-depth knowledge of these improved methods is crucial for the nurse who wishes to optimize their professional update. Therefore, TECH has created this program, with which the student will delve into the cutting-edge procedures for adjusting pressure, volume or flow and the updated indications of BiPAP and CPAP. All this, in a online way and without the need to stick to tight schedules.

Through this program, you will delve into the most up-to-date techniques for adjusting pressure, volume or flow in NIMV"

Non-Invasive Mechanical Ventilation is a respiratory support modality that is becoming increasingly relevant to contribute to the treatment of a wide range of pneumological diseases. Given this popularization, both the techniques for its application and the parameters for its adjustment have undergone a notorious evolution, seeking to optimize the results of NIMV and increase the patient's quality of life during their hospital stay. As a result, identifying recent advances in this field is essential for nurses who wish to provide state-of-the-art care to patients.

In view of this situation, TECH has focused its efforts on designing this program, which provides the professional with an excellent update on respiratory support techniques and the adjustment of ventilatory parameters applied in NIMV. During 6 intensive months of teaching, you will learn the strategies for selecting the interfaces that best suit the requirements of each patient, as well as the methods for adjusting the ventilatory parameters of Non-Invasive Mechanical Ventilation. You will also delve into the state-of-the-art procedures for monitoring and managing CPAP and BiPAP complications.

Thanks to the fact that this Postgraduate Diploma is taught in a 100% online mode, the nurse will be able to update in this branch of NIMV without the need to make daily trips to an academic center. In addition, didactic resources such as readings, explanatory videos and evaluative exercises are available. In this way, you will study in a dynamic and resolute way, thus consolidating the acquisition of new knowledge.

This **Postgraduate Diploma in Ventilatory Techniques and Parameters in NIMV for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in Non-Invasive Mechanical Ventilation
- The graphic, schematic, and practical content with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

Delve into the most relevant aspects of this Postgraduate Diploma at your own pace of study thanks to the Relearning method offered by TECH"

This Postgraduate Diploma will allow you to investigate the selection of the interfaces that best suit the patient's needs, according to the latest scientific criteria"

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Get up to date on Ventilatory Techniques and Parameters in NIMV for Nursing from specialists with extensive health care experience behind them.

Through this Postgraduate Diploma, you will delve into the state-of-the-art methods for monitoring and managing CPAP and BiPAP complications.

02

Objectives

The design of this Postgraduate Diploma has been carried out with the premise of ensuring that nurses are up to date on NIMV techniques and ventilatory adjustment methods. Through this academic experience, therefore, you will fully perfect your skills in patient care before and during the application of Non-Invasive Mechanical Ventilation.

Delve into the recent scientific evidence on noninvasive respiratory support techniques and methods of adjusting ventilatory parameters for NIMV"

General Objectives

- Understand the importance and role of Non Invasive Mechanical Ventilation in the treatment of acute and chronic respiratory pathologies
- Know the updated indications and contraindications for the use of Non-Invasive Mechanical Ventilation, as well as the different types of devices and modes of ventilation
- Acquire skills and competences in the monitoring of the patient with Non Invasive Mechanical Ventilation, including the interpretation of the data obtained and the detection and prevention of complications
- Investigate the state-of-the-art technologies used in the telemonitoring of patients with Non Invasive Mechanical Ventilation and the ethical and legal aspects related to their use
- Delve into the main differences in Non-Invasive Mechanical Ventilation in Pediatrics
- Delve into the ethical aspects related to the management of patients requiring NIV

Specific Objectives

Module 1. Ventilatory Mechanics

- Learn in depth the mechanisms of respiratory control and blood pH regulation, as well as the ventilatory responses in situations of Hypoxia, Hypercapnia and Acidosis, and the interaction between the respiratory system and the central nervous system
- Delve into the forces that act on the lungs during ventilation and the relationship between respiratory mechanics and respiratory muscle effort
- Investigate the different lung volumes and capacities, their alterations in respiratory diseases and the interpretation of spirometric values and their limitations
- Understand the concept of *compliance* and resistance of the respiratory system, including the measurement and the factors that influence it, as well as the alterations in respiratory diseases
- Delve into the ventilation-perfusion relationship, state-of-the-art methods to detect alterations in respiratory diseases and therapeutic strategies to improve this relationship

Module 2. Non-Invasive Mechanical Ventilation and Ventilatory Parameter Settings in Non-Invasive Mechanical Ventilation

- Define and clarify the terminology and basic concepts of NIMV
- Describe the different ventilatory modes used in NIMV, including spontaneous, assisted and controlled mode
- Identify the different types of interfaces used in NIMV, explaining their selection and setting
- Delve into the different alarms and patient safety measures in NIMV
- Detect patients suitable for NIMV and explain the strategies for initiation and parameter according to evolution

Module 3. Noninvasive Respiratory Support Techniques

- Understand the principles and mechanics of continuous positive airway pressure, positive airway pressure, pressure support ventilation, volume controlled ventilation and high-flow nasal cannula (HFNC)
- Identify the indications for the use of each of these ventilatory modalities and know how to adjust the necessary parameters
- Compare the different ventilatory modalities to choose the most appropriate one for each patient
- Know in depth the usefulness of high frequency ventilation and other new ventilatory modes

Take this program and position yourself at the forefront of Nursing in only 450 hours"

03

Course Management

Thanks to TECH's unrelenting commitment to raising the quality of its programs to the highest level, excellent specialists in Pulmonology have been selected to be responsible for directing and teaching this program. These physicians have developed their functions in leading hospitals, acquiring extensive experience in the management of VNMI. Therefore, they will transmit to the student the most useful knowledge in the health care field.

This program is taught by active experts in the management of Non-Invasive Mechanical Ventilation to provide you with the most cutting-edge knowledge in this field"

International Guest Director

With a relevant trajectory in the field of Pulmonology and Clinical Research, Dr. Maxime Patout distinguishes himself as an internationally renowned physician and scientist. As such, his involvement and contribution have led him to position himself as Clinical Director in Public Assistance in prestigious hospitals in Paris, standing out for his leadership in the management of Complex Respiratory Diseases. With this, it is worth mentioning his work as Coordinator of the Department of Functional Explorations of Breathing, Exercise and Dyspnea at the famous Hospital de la Pitié-Salpêtrière.

In the field of Clinical Research, Dr. Patout has made valuable contributions in leading areas such as Chronic Obstructive Pulmonary Disease, Lung Cancer and Respiratory Physiology. Accordingly, in his role as a Research Fellow at Guy's and St Thomas' NHS Foundation Trust, he has conducted groundbreaking studies that have expanded and improved the treatment options available to patients.

In this line, his versatility and leadership as a physician give him a vast experience in fields such as Biology, Physiology and Pharmacology of Circulation and Respiration. Therefore, he stands out as a renowned specialist in the Pulmonary and Systemic Diseases unit. In addition, his recognized competence in the Anti-Infectious Chemotherapy unit also places him as an outstanding reference in the field, being a regular advisor to future health professionals.

For all these reasons, his outstanding expertise in the field of Pulmonology has led him to be an active member of prestigious international organizations such as the European Respiratory Society and the French-Language Society of Pneumology, where he continues to contribute to scientific progress. So much so, that he shows an active participation in symposiums that enhance his medical excellence and constant updating in his field.

Dr. Patout, Maxime

- Clinical Director in Public Care at the Salpêtrière Hospital, Paris, France
- Clinical Research Fellow at Guy's and St Thomas' NHS Foundation Trust
- Coordinator of the Breathing, Exercise and Dyspnea Functional Examination Service at the Pitié-Salpêtrière Hospital
- Doctor of Medicine, University of Rouen
- Master's Degree in Biology, Physiology and Pharmacology of the Circulation and Respiration at the University of Paris
- University Expert in Pulmonary and Systemic Diseases from the University of Lille
- University Expert in Anti-infectious Chemotherapy, University of Rouen
- Medical Specialist in Pulmonology from the University of Rouen
- Member of: European Respiratory Society, French-language Society of Pneumology

Thanks to TECH, you will be able to learn with the best professionals in the world"

Management

Dr. Landete Rodríguez, Pedro

- Co-coordinator of the Basic Ventilation Department at La Princesa University Hospital
- Pulmonologist at La Princesa University Hospital
- Pulmonologist at Blue Healthcare
- Researcher in several research groups
- Professor in undergraduate and postgraduate university studies
- Author of numerous scientific publications in international journals and participant in several book chapters
- Speaker at international medical congresses
- Doctor Cum Laude by the Autonomous University of Madrid

Professors

Dr. Rodríguez Jerez, Francisco

- Pulmonologist at HUCSC
- Intermediate Respiratory Care Unit Coordinator, San Cecilio University Clinical Hospital
- Head of the Non-Invasive Mechanical Ventilation Unit at the Central University Hospital of Asturias
- FEA of the Pulmonology Department at San Cecilio University Clinical Hospital
- Lecturer in undergraduate university studies related to Health Sciences
- Coordinator of the NIMV and IRCU skills course at the San Cecilio University Clinical Hospital
- Member of the Tuberculosis and Respiratory Infections Area (TIR) in the Spanish Society of Pulmonology and Thoracic Surgery
- Reviewer for the journals Respiratory Care and BRNreview

Dr. Corral Blanco, Marta

- Pulmonology Specialist and researcher
- Pulmonologist at 12 de Octubre University Hospital
- Author of numerous scientific articles and book chapters
- Speaker at numerous Pulmonology Congresses
- Course on Integral Care of Chronic Obstructive Pulmonary Disease from the Complutense University of Madrid

Dr. Ferrer Espinos, Santos

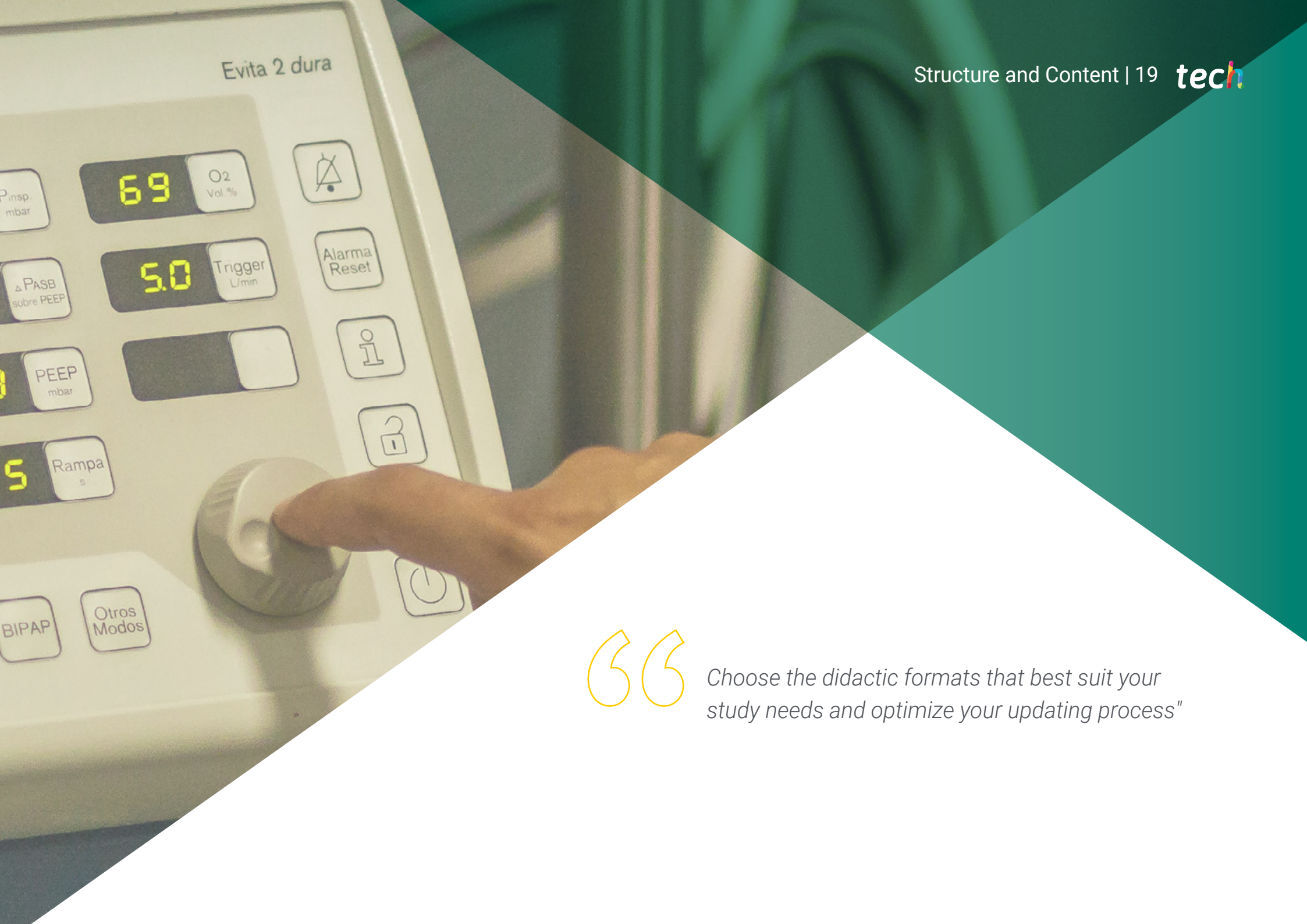
- Pulmonologist
- Adjunct of the Pulmonology Service at the Respiratory Care Unit of the Hospital Clínico Universitario de Valencia
- Member of the Emerging Group of Noninvasive Mechanical Ventilation and Respiratory Care of SEPAR
- Master's Degree in Biomedical Research at the University of Valencia

Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

The syllabus of this program is made up of 3 very complete modules through which the nurse will acquire the most updated knowledge on non-invasive respiratory support techniques and the adjustment of ventilatory parameters. The didactic resources that you will enjoy throughout this Postgraduate Diploma are available in formats such as, for example, the explanatory video, the interactive summary or the simulation of real cases. As a result, you will enjoy an enjoyable, decisive and individualized learning experience, 100% online.



Choose the didactic formats that best suit your study needs and optimize your updating process"

Module 1. Ventilatory Mechanics

1.1. Anatomy and Physiology of the Respiratory System
- 1.1.1. Structure and Function of the Lungs and their Relation to the Ribcage
- 1.1.2. Mechanics of Pulmonary Ventilation
- 1.1.3. Gas Exchange at the Alveolar Level

1.2. Ventilation Control and Ph Regulation
- 1.2.1. Mechanisms of Respiratory Control (Chemoreceptors, Baroreceptors, etc.)
- 1.2.2. Regulation of Blood pH and its Relation to Ventilation
- 1.2.3. Ventilatory Responses in Situations of Hypoxia, Hypercapnia, and Acidosis
- 1.2.4. Interaction between the Respiratory System and the Central Nervous System

1.3. Transpulmonary Pressure and Respiratory Mechanics
- 1.3.1. Forces Acting on the Lungs during Ventilation (Atmospheric Pressure, Intrapleural Pressure, etc.)
- 1.3.2. Mechanisms of Protection of the Lungs against Overdistension and Collapse
- 1.3.3. Mechanics of Respiration in Pathological Situations (Emphysema, Pulmonary Fibrosis, etc.)
- 1.3.4. Relationship between Respiratory Mechanics and Respiratory Muscular Effort

1.4. Flow Volume, Minute Volume and Vital Capacity
- 1.4.1. Definition and Measurement of Different Lung Volumes and Capacities
- 1.4.2. Alterations of Lung Volumes and Capacities in Respiratory Diseases
- 1.4.3. Interpretation of Spirometric Values and their Limitations

1.5. *Compliance* and Resistance of the Respiratory System
- 1.5.1. Concept
- 1.5.2. Measurement
- 1.5.3. Influencing Factors
- 1.5.4. Abnormalities in Respiratory Diseases

1.6. Types of Breathing (Spontaneous, Assisted and Controlled)
- 1.6.1. Definition and Characteristics of the Different Types of Breathing
- 1.6.2. Evaluation of the Patient's Response to Mechanical Ventilation

1.7. Ventilation-perfusion ratio
- 1.7.1. Definition and Physiology of the Ventilation-Perfusion Ratio
- 1.7.2. Alterations of the Ventilation-Perfusion Ratio in Respiratory Diseases
- 1.7.3. Evaluation Methods of the Ventilation-Perfusion Ratio
- 1.7.4. Therapeutic Strategies to Improve the Ventilation-Perfusion Ratio

1.8. Oxygenation and Gas Transport
- 1.8.1. Alterations in Oxygenation and Gas Transport in Respiratory Diseases
- 1.8.2. Assessment of Oxygenation and Gas Transport in Clinical Practice
- 1.8.3. Treatment of Hypoxemia and Hypercapnia in Respiratory Patients
- 1.8.4. Complications of Hypoxemia and Hypercapnia Treatment

1.9. Effects of Mechanical Ventilation on Respiratory Physiology
- 1.9.1. Physiology of Mechanical Ventilation

1.10. Changes in Ventilatory Mechanics during Non-Invasive Mechanical Ventilation
- 1.10.1. Pulmonary Lesions Associated with Mechanical Ventilation
- 1.10.2. Optimization of Mechanical Ventilation to Improve Respiratory Physiology

Module 2. Non-Invasive Mechanical Ventilation and Ventilatory Parameter Settings in Non-Invasive Mechanical Ventilation

2.1. NIMV
- 2.1.1. Terminology in NIMV
- 2.1.2. What Does Each Parameter Used in NIMV Measure?

2.2. Indications and Contraindications
- 2.2.1. Indications in Acute Hypoxemic Respiratory Failure
- 2.2.2. Indications in Acute Global/Hypercapnic Respiratory Failure
- 2.2.3. Indications in Chronic Respiratory Failure
- 2.2.4. Other Indications for NIMV
- 2.2.5. Contraindications for NIMV

2.3. Ventilatory Modes
- 2.3.1. Spontaneous Mode
- 2.3.2. Assisted Mode
- 2.3.3. Controlled Mode

2.4. Interfaces: Types, Selection and Setting
- 2.4.1. Face Mask
- 2.4.2. Nasal Mask
- 2.4.3. Mouth Interface
- 2.4.4. Oronasal Interface
- 2.4.5. Helmet

2.5. Ventilatory Parameters: Pressure, Volume, Flow and Ti/Ttot
- 2.5.1. Inspiratory and Expiratory Pressure Setting
- 2.5.2. Adjustment of the Respiratory Frequency
- 2.5.3. Adjustment of Ti/Ttot
- 2.5.4. PEEP Setting
- 2.5.5. FiO2 Setting

2.6. Breathing Cycles and Trigger
- 2.6.1. Trigger Setting and Ventilator Sensitivity
- 2.6.2. Current Volume and Inspiratory Time Setting
- 2.6.3. Inspiratory and Expiratory Flow Setting

2.7. Patient-Ventilator Synchronization
- 2.7.1. Delayed Triggering
- 2.7.2. Self-trigger
- 2.7.3. Ineffective Inspiratory Efforts
- 2.7.4. Mismatch in Inspiratory Time between the Patient and the Ventilator
- 2.7.5. Double Triggering

2.8. Alarms and Patient Safety
- 2.8.1. Types of Alarms
- 2.8.2. Handling Alarms
- 2.8.3. Patient Security
- 2.8.4. Evaluation of the Effectiveness of NIMV

2.9. Patient Selection and Initiation Strategies
- 2.9.1. Patient Profile
- 2.9.2. NIMV Initiation Parameters in Acute Patients
- 2.9.3. Initiation Parameters in Chronic Patients
- 2.9.4. Adjustment of Parameters according to Evolution

2.10. Evaluation of the Patient's tolerance and Adaptation to Non-Invasive Mechanical Ventilation
- 2.10.1. Criteria for Good Clinical Response
- 2.10.2. Criteria for Bad Clinical Response
- 2.10.3. Adjustments for Tolerance Improvement
- 2.10.4. Tips to Improve Adaptation

Module 3. Noninvasive Respiratory Support Techniques

3.1. Evaluation of the Level of Ventilatory Support Needed
- 3.1.1. Evaluation of the Clinical Indications
- 3.1.2. Interpretation of Arterial Blood Gas Analysis
- 3.1.3. Evaluation of Respiratory Mechanics
- 3.1.4. Determination of the Level of Ventilatory Support Needed
- 3.1.5. Change of Ventilatory Modality

3.2. Continuous Positive Airway Pressure (CPAP)
- 3.2.1. Principles and Mechanicsof CPAP
- 3.2.2. Indications for the Use of CPAP
- 3.2.3. Adjustment of CPAP Parameters
- 3.2.4. Monitoring and Management of CPAP Complications
- 3.2.5. Comparison of CPAP with Other Ventilatory Modalities

3.3. Positive Airway Pressure (BiPAP)
- 3.3.1. Principles and Mechanics of BIPAP
- 3.3.2. Indications for the Use of BIPAP
- 3.3.3. Adjustment of BIPAP Parameters
- 3.3.4. Monitoring and Management of BIPAP Complications
- 3.3.5. Comparison of BIPAP with Other Ventilatory Modalities

3.4. Pressure Supporting Ventilation
- 3.4.1. Conventional (PSV)
- 3.4.2. Proportional (PPSV)
- 3.4.3. Adaptive (ASV)
- 3.4.4. Intelligent Adaptive (iVAPS)

3.5. Volume-Controlled Ventilation
- 3.5.1. Principles and Mechanics of Volume Controlled NIV
- 3.5.2. Indications for the Use of NIV by Volume
- 3.5.3. How to Adjust the Volume Parameters
- 3.5.4. Monitoring and Management of Complications in Volume Mode
- 3.5.5. Comparison of Volume Mode with Other Ventilatory Modalities

3.6. High-flow Nasal Cannula (HFNC)
- 3.6.1. Principles and Mechanics of HFNCs
- 3.6.2. Indications for the Use of HFNCs
- 3.6.3. Adjustment of HFNC Parameters
- 3.6.4. Monitoring and Management of HFNC Complications
- 3.6.5. Comparison of HFNC with Other Ventilatory Modalities

3.7. Combined Ventilation (Positive Pressure (CPAP/BiPAP) + HFNC)
- 3.7.1. Principles and Mechanics of Combination Therapy
- 3.7.2. Indications for the Use of Combined Therapies
- 3.7.3. How to Initiate Combination Therapy, at the Same Time or in a Staggered Manner
- 3.7.4. Adjustment of Combined Therapies Parameters
- 3.7.5. Monitoring and Management of Combined Therapies Complications
- 3.7.6. Comparison of Combined Therapies with Other Ventilatory Modalities

3.8. High Frequency Ventilation
- 3.8.1. Indications for the Use of NIV with High Frequency
- 3.8.2. Parameter Adjustment
- 3.8.3. Usefulness in the Acute Patient
- 3.8.4. Usefulness in the Chronic Patient
- 3.8.5. Monitoring and Management of Complications
- 3.8.6. Comparison with Other Ventilatory Modalities

3.9. Other Ventilatory Modes
- 3.9.1. Pressure Support Ventilation with Mandatory Flow Control (MFC)
- 3.9.2. High Velocity Ventilation with Nasal Cannula
- 3.9.3. Other Innovative Ventilatory Modes

3.10. Humidification and Temperature Adjustment in NIV
- 3.10.1. Importance of Adequate Humidification and Temperature in NIV
- 3.10.2. Types of NIV Humidification Systems
- 3.10.3. Indications for Adding Humidifier in Acutely Ill Patients
- 3.10.4. Indications for Humidifier in Chronic Patients
- 3.10.5. Methods of NIV Humidification Monitoring
- 3.10.6. Temperature Adjustment in NIV
- 3.10.7. Monitoring and Management of Complications Related to Humidity and Temperature in NIMV

Take this Postgraduate Diploma and get the possibility to update your knowledge online without neglecting your daily obligations"

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the real conditions in professional nursing practice.

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

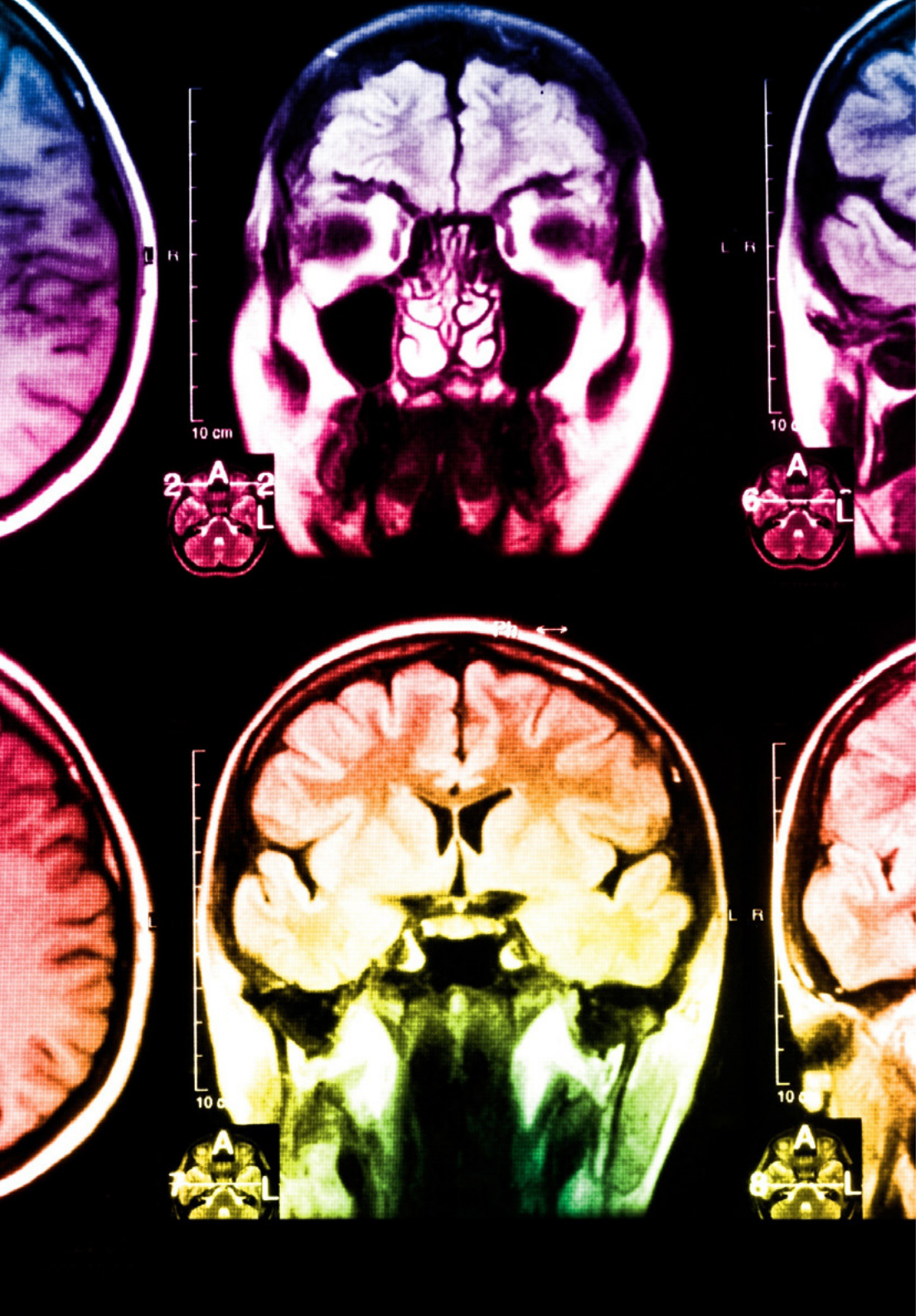
1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.

The nurse will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you want.

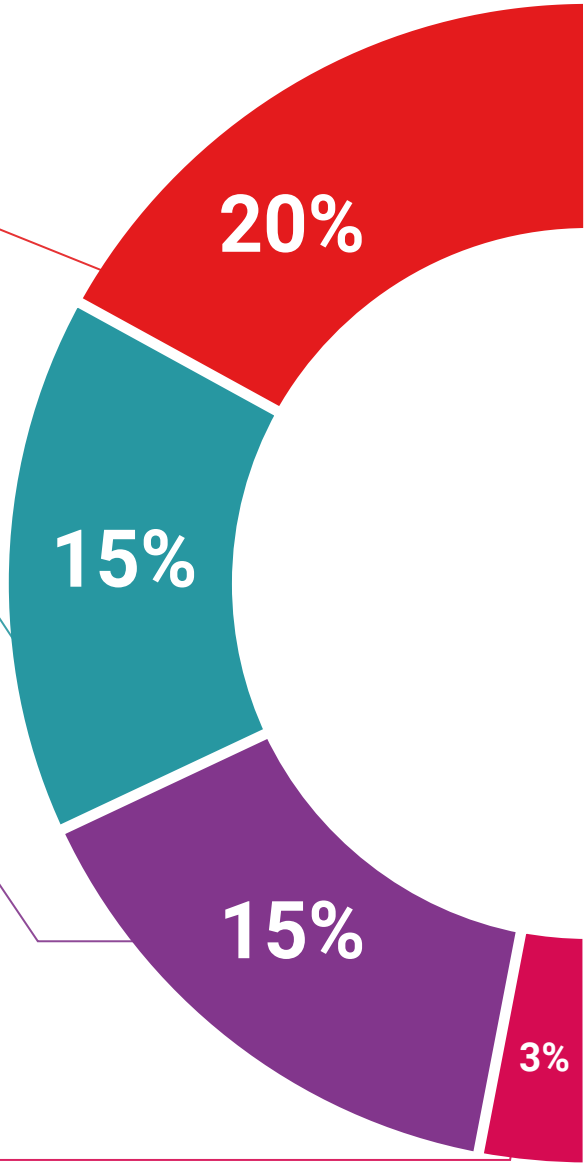
Interactive Summaries

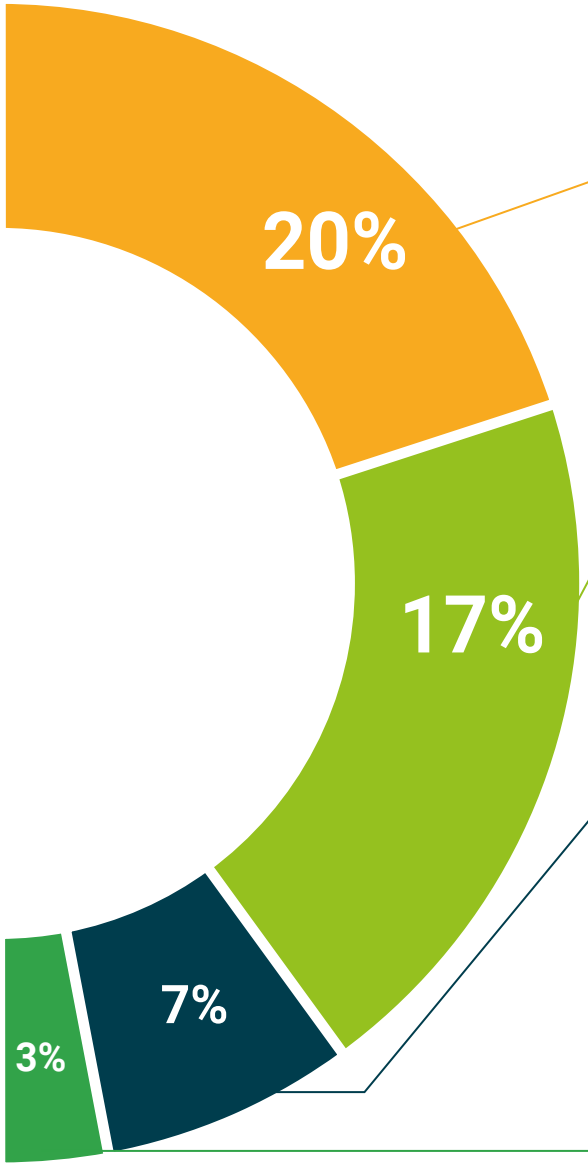
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

06

Certificate

The Postgraduate Diploma in Ventilatory Techniques and Parameters in NIMV for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This program will allow you to obtain your **Postgraduate Diploma in Ventilatory Techniques and Parameters in NIMV for Nursing** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (***official bulletin***). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Ventilatory Techniques and Parameters in NIMV for Nursing**

Modality: **online**

Duration: **6 months**

Credits: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Ventilatory Techniques and Parameters in NIMV for Nursing

This is a program of 450 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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Ventilatory Techniques and Parameters in NIMV for Nursing

- Modality: **online**
- Duration: **6 months**
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- Schedule: **at your own pace**
- Exams: **online**

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