

# Postgraduate Diploma

Chronic Oncologic, Non-  
Oncologic and Child Pain  
Management for Nursing





## Postgraduate Diploma Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing

Course Modality: Online

Duration: 6 months.

Certificate: TECH Technological University

Teaching Hours: 450 hours.

Website: [www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-chronic-oncologic-non-oncologic-child-pain-management-nursing](http://www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-chronic-oncologic-non-oncologic-child-pain-management-nursing)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 18*

05

Methodology

---

*p. 22*

06

Certificate

---

*p. 30*

# 01

# Introduction

Cancer is the second leading cause of death Pain is one of the most common symptoms associated with cancer patients, increasing in frequency with disease progression.

Pain causes unnecessary suffering, decreased ability to cope with the disease, interference with activities of daily living, and prolonged or repeated hospitalizations.

In this program you will delve into the latest techniques and developments in chronic oncological, non-oncological pain and pain in children, in the nursing area, specializing in a field with high demand for professionals and that will mean an improvement in the quality of life of your patients.





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*Improve your knowledge in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing through this program, where you will find the best teaching material with real clinical cases”.*

Pain is one of the most frequent symptoms of disease presentation and is one of the main causes of consultation to the health system. Moreover, as health professionals, it can be found in its most varied manifestations in any job that is carried out within the health system. This is why adequate knowledge of its causes and management can be an excellent working tool in the development of daily professional activity.

The design of this program is based on learning based on up-to-date contents and practical cases that allow professionals to learn in an eminently practical environment. Throughout this program, you will address all the non-pharmacological tools for nursing practice in pain management.

Thanks to this program you will acquire the necessary knowledge for the holistic management of different types of pain in all care contexts, the ability to assess, evaluate, diagnose and intervene with a care plan, as well as autonomy in the patient's decisions and quality of life in the treatment of pain.

Take the opportunity and study this program in a 100% online format, without having to give up your obligations, from the comfort of your own home. Update your knowledge and get a Postgraduate Diploma to continue growing personally and professionally.



*This Postgraduate Diploma in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing will help you keep up to date in order to provide personalized care to your patients".*

This **Postgraduate Diploma in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing** offers you the advantages of a high-level scientific and technological course. These are some of its most notable features:

- ♦ The development of more than 75 clinical cases presented by experts in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing.
- ♦ The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ Diagnostic and therapeutic novelties on evaluation, diagnosis and intervention in Chronic Oncologic, Non-Oncologic and Child Pain Management.
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Clinical iconography and diagnostic imaging tests
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Special emphasis on the research methodology used in Chronic Oncologic, Non-Oncologic and Child Pain Management
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Access to content from any fixed or portable device with an Internet connection.

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*This Postgraduate Diploma is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing, you will obtain a qualification from TECH Technological University”.*

Its teaching staff includes health professionals from the main areas of pain, who bring to this program the experience of their work, as well as recognized specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will deliver an immersive learning experience, programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the nurse must try to solve the different professional practice situations that arise throughout the program. For this, the specialist will have the help of an innovative system of interactive videos made by recognized experts in the management of Chronic Oncologic, Non-Oncologic and Child Pain Management and with great experience.

*Increase your decision-making confidence by updating your knowledge with this Postgraduate Diploma.*

*Take the opportunity to learn about the latest advances in this field and apply it to your daily practice.*



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the nurse is able to master in a practical and rigorous way advanced knowledge in Chronic Oncologic, Non-Oncologic and Child Pain Management.







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*This Postgraduate Diploma will allow you to update your knowledge in Chronic Oncologic, Non-Oncologic and Child Pain Management with the use of the latest educational technology, to contribute with quality and safety to decision making"*



## General Objectives

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- ♦ Manage up-to-date knowledge about pain in any of its types focused on daily care practice
- ♦ Provide all the necessary tools to nursing professionals to assess, diagnose and intervene in the patient's pain in a holistic context
- ♦ Identify pain, its consequences and the best intervention according to the situation and needs of the patient
- ♦ Identify and plan care using all necessary nursing techniques
- ♦ Specialize in the most up-to-date pain management in a multidisciplinary context and from the nursing discipline





## Specific Objectives

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### Module 1. Chronic Oncologic Pain for Nursing

- ♦ Know, evaluate and manage all the problems derived from oncological pain, in any of its phases, to take care of all the patient's needs and contribute effectively to improve their quality of life
- ♦ Recognize the types of oncologic pain
- ♦ Manage Cancer Fatigue
- ♦ Know the side effects of antineoplastic treatments that cause pain
- ♦ Manage the specific, pharmacological, invasive and integrative therapy for the treatment of cancer pain
- ♦ Manage the nursing process in the oncologic patient with pain

### Module 2. Chronic Non-Oncologic Pain for Nursing

- ♦ Acquire the necessary knowledge to develop the nursing activity, with up-to-date data and focused on daily practice, in relation to the approach to pain
- ♦ Obtain a clear vision of the importance of nursing in the adequate approach to non-oncological chronic pain, with a course expressly focused on showing an appropriate methodology for the assessment of pain and the different treatment and care options that serve as a basis in their daily activity
- ♦ Reflect on the extent of pain and its consequences
- ♦ Distinguish the different types of non-oncologic pain

### Module 3. Pain in Children for Nursing

- ♦ Contextualize the epidemiology of childhood pain

- ♦ Describe the physiological or biological, behavioral and behavioral methods used to manage pain
- ♦ Acquire expertise in the different scales used by these methods for pain assessment in children and neonates
- ♦ Deepen and describe the pharmacological and non-pharmacological treatment used in the management of pain in children
- ♦ Integrate the safety aspects related to the prescription and administration of drugs in children
- ♦ Deepen and describe the characteristics of pain in the oncologic child
- ♦ Describe the characteristics that define hospitalization in children
- ♦ Know the characteristics that define pain in a pediatric intensive care unit



*Take the step to get up to date on the latest developments in Chronic Oncologic, Non-Oncologic and Child Pain Management"*

03

# Course Management

The program includes in its teaching staff reference experts in Chronic Oncologic, Non-Oncologic and Child Pain Management, who bring to this program the experience of their work. Additionally, other recognized experts have participated in its design and preparation, complementing the program in an interdisciplinary manner.



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*Leading professionals in the field have come together to teach you the latest advances in Chronic Oncologic, Non-Oncologic and Child Pain Management”*

## International Guest Director

With nearly two decades of professional experience, Jay Horton has devoted his career to **Palliative Care for Nursing**. In this branch of care, the expert holds a **doctorate** that endorses the quality of his practice and healthcare competencies.

Specifically, the specialist has researched the impact of these **techniques in the hospital environment** and the intensity with which these treatments should be applied in **patients with serious illnesses**. Likewise, he has mastered the methodologies for assisting terminally ill geriatric cases. At the same time, he holds **several licenses of activity** among which a **Certificate in Executive Nursing Practice** granted by the **American Organization for Leadership in Nursing** stands out.

He is also accredited in **Safety and Quality** by the **Institute for Healthcare Improvement**. She also holds an **Advanced Hospice and Palliative Care Certificate** from the **Hospice and Palliative Care Nurses Association**. He has also been recognized by the **American Nurses Credentialing Center** as a **Family Nurse Practitioner**.

All these recognitions to his work are the result of his excellent management of nursing methodologies for the approach of **Chronic Pain** in patients and the implementation of the most innovative strategies in **Mental Health**. Horton also stands out for her knowledge of **administration and management** of hospital environments.

Among other responsibilities, Dr. Horton has served as **Director of Palliative Care Nursing** at **Mount Sinai Beth Israel Hospital**. He is also an academic assistant at the **Icahn School of Nursing** and the **Mount Sinai Phillips School of Nursing**. In this space, he contributes to the development of accelerated training programs for nurses. In addition, he is a collaborator at **Columbia University** and has been part of the care team at **New York Presbyterian Hospital**.



## Dr. Horton, Jay

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- Director of Palliative Care Nursing, Mount Sinai Beth Israel Hospital
- Director of Safety, Quality and Nursing Performance Improvement, Mount Sinai Hospital Network
- Assistant at Icahn Mount Sinai Mount Sinai Hospital School of Nursing
- Assistant at Mount Sinai Phillips Hospital School of Nursing
- Adjunct Faculty Assistant at Columbia University School of Nursing
- Nurse Assistant, New York Presbyterian Hospital, New York
- PhD in Nursing Research and Theoretical Development from NYU Rory Meyers School of Nursing
- Masters in Family, Pain Management and Palliative Care Nursing from Yale University
- Master's degree in Health Policy and Administration from Yale School of Public Health
- Fellowship at Memorial Sloan-Kettering Cancer Center
- Bachelor's degree in Microbiology from the University of Iowa
- Certifications: Executive Nurse Practice from the American Organization for Leadership in Nursing, Advanced Certificate from the American Hospice and Palliative Association, Family Nurse Practitioner by the American Nurses Credentialing Center and Accreditation in Safety and Quality by the Institute for Healthcare Improvement

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

## Management



### Dr. Cano García, Laura

- Dr. Health Sciences, University of Malaga (2014) Nurse and care coordinator UGC Rheumatology
- Master's degree in Health Sciences (2009)
- Specialist in rheumatology nursing (2015)
- Nurse trainer (SAS, Spanish Society of Rheumatology and pharmaceutical industry trainings) and coordinator of 2 advanced practice nursing trainings (2018 and 2020)
- Vice President of OPEN REUMA
- Member of working groups on autoimmune diseases and continuity of care of the Ministry of Health, Social Policy and Equality
- Research Award 2019 of the College of Nursing of Malaga and research line in IBIMA D-03-04 Nursing care in osteoarticular diseases





## Professors

### Mr. Aguilera Fernández, Francisco Jesús

- ♦ Nurse in the Pediatric Intensive Care Medicine Unit Maternal and Child Hospital Regional University Hospital of Málaga

### Ms. Camarero Gómez, Pilar

- ♦ Nurse and podiatrist. Oncology day hospital nurse, Virgen de la Victoria University Hospital.

### Mr. Martín Martín, José María

- ♦ Nurse of the Multipurpose Day Hospital. University Hospital Nuestra Señora de la Candelaria in Tenerife



*A unique, key, and decisive program to boost your professional development”*

04

# Structure and Content

The content structure has been designed by a team of professionals from the best educational centers and universities in the country, who are aware of the relevance of up-to-date education and are committed to quality teaching through new educational technologies.





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*A comprehensive teaching program, structured in well-developed teaching units, oriented towards efficient and swift learning that is compatible with your personal and professional life"*

## Module 1. Chronic Oncologic Pain for Nursing

- 1.1. The Oncology Patient and Pain
  - 1.1.1 Pathophysiology
  - 1.1.2 Main Causes of Pain in the Oncology Patient
- 1.2. Types of Pain
  - 1.2.1 Signs and Symptoms
  - 1.2.2 According to Evolution Time
  - 1.2.3 According to Its Pathophysiological Mechanism
  - 1.2.4 According to Etiology
- 1.3. Nursing Assessment and Evolution of Pain
  - 1.3.1 Pain History
  - 1.3.2 Clinical and Psychological Examination
  - 1.3.3 Pain Measurement Scales and Questionnaires
  - 1.3.4 Diagnostic tests
- 1.4. Procedures and Treatments of the Cancer Patient Causing Pain for Nursing
  - 1.4.1 Chemotherapy.
  - 1.4.2 Biological Techniques and Immunotherapy
  - 1.4.3 Hormone Therapy
  - 1.4.4 Radiotherapy
  - 1.4.5 Surgery
- 1.5. Cancer-Related Fatigue
  - 1.5.1 Etiology
  - 1.5.2 Risk Factors
  - 1.5.3 Signs and Symptoms
- 1.6. Medical Treatment
  - 1.6.1 Analgesic Scale.
  - 1.6.2 Adjuvant Drugs
  - 1.6.3 Bisphosphonates
  - 1.6.4 Side Effects:
  - 1.6.5 Route of Administration
  - 1.6.6 Palliative Care
- 1.7. Invasive or Special Analgesic Techniques

- 1.7.1 Nerve Blocker
  - 1.7.2 Neurostimulation
  - 1.7.3 Surgical intervention
  - 1.7.4 Radiotherapy
  - 1.7.5 Palliative Chemotherapy.
  - 1.7.6 Physical Therapy
  - 1.7.7 Psychological Therapy
- 1.8. Integrative Medicine for Nursing
    - 1.8.1 Massage, Acupuncture
    - 1.8.2 Yoga, Meditation
  - 1.9. Identifying Oncologic Emergencies Through Pain
    - 1.9.1 Signs and Symptoms Related to Oncologic Emergencies
  - 1.10. Nursing Care Plans
    - 1.10.1 Nursing Assessment
    - 1.10.2 Nursing Diagnosis
    - 1.10.3 NOC/NIC

## Module 2. Chronic Non-Oncologic Pain for Nursing

- 2.1. Introduction
  - 2.1.1 Definition of Chronic Pain
  - 2.1.2 Description of Non-Oncologic Chronic Pain
- 2.2. Epidemiology of Non-Oncologic Chronic Pain
  - 2.2.1 How Many Spaniards Suffer from Pain?
    - 2.2.1.1. Who Suffers the Most Pain?
    - 2.2.1.2. Most Frequent Pain Among Spaniards
    - 2.2.1.3. Consequences of Pain
    - 2.2.1.4. Prevalence of Chronic Pain in Spain
- 2.3. Etiopathogenesis
  - 2.3.1 Nociceptive Pain
  - 2.3.2 Somatic Pain
  - 2.3.3 Visceral Pain
  - 2.3.4 Neuropathic Pain
- 2.4. Neuropathic Pain

- 2.4.1 Trigeminal Neuralgia
- 2.4.2 Postherpetic Neuralgia
- 2.4.3 Diabetic Neuralgia
- 2.4.4 Ilioinguinal Neuralgia
- 2.5. Phantom Limb Pain
  - 2.5.1 Definition
  - 2.5.2 Clinical Manifestations
  - 2.5.3 Etiology
  - 2.5.4 Recommendations in Nursing
- 2.6. Complex Regional Pain Syndrome
  - 2.6.1 Definition
  - 2.6.2 Prevalence
  - 2.6.3 Causes and Classifications
  - 2.6.4 Triggering Factors
  - 2.6.5 Treatment
  - 2.6.6 Recommendations in Nursing
- 2.7. Central Pain syndrome
  - 2.7.1 Definition
  - 2.7.2 Etiology
  - 2.7.3 Epidemiology
  - 2.7.4 Clinical Manifestations
  - 2.7.5 Treatment
  - 2.7.6 Recommendations in Nursing
- 2.8. Headaches.
  - 2.8.1 Types
  - 2.8.2 Diagnosis
  - 2.8.3 Secondary Headaches
  - 2.8.4 Recommendations in Nursing
- 2.9. Other Syndromes
  - 2.9.1 Chronic Pancreatitis.
  - 2.9.2 Coccygodynia
  - 2.9.3 Prostatodynia
  - 2.9.4 Vulvodynia
- 2.10. Pain Unit

- 2.10.1 Nursing Skills
- 2.10.2 Organization of the Pain Unit
- 2.10.3 Nursing Team Roles
- 2.10.4 Nursing Intervention in Certain Techniques

### Module 3. Pain in Children for Nursing

- 3.1. Basic Concepts of Pain
  - 3.1.1 Concept
  - 3.1.2 Epidemiology
  - 3.1.3 Neurophysiology of Pain
  - 3.1.4 Pain Neuropathology
  - 3.1.5 Influencing Factors
  - 3.1.6 False Beliefs
- 3.2. Pain Classification Forms of Expression of Pain According to the Child's Developmental Stages
  - 3.2.1 Types of Pain: Pathophysiologic, Duration, Etiologic, Anatomic
  - 3.2.2 Pain According to the Evolutionary Stages of the Child
  - 3.2.3 Consequences of Pain in Children
- 3.3. Pain Assessment I
  - 3.3.1 Behavioral Methods
  - 3.3.2 Physiological Methods
- 3.4. Pain Assessment II
  - 3.4.1 Self-Assessment Methods: Projective, Structured Interviews, and Scales
- 3.5. Pharmacological Treatment of Pain in Children.
- 3.6. Non-Pharmacological Treatment of Pain in Children
- 3.7. Pain in Neonates
- 3.8. Pain in Children with Cancer
- 3.9. Pain in Hospitalized Children Related to Techniques
- 3.10. Pain in Children Undergoing Intensive Care

# 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.





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*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.



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*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 Harvard 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 adapted in 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 Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.





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

This **Postgraduate Diploma in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing** contains the most complete and up-to-date scientific on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by TECH Technological University via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Chronic Oncologic, Non-Oncologic and Child Pain Management for Nursing**

Official N° of Hours: **450 h.**



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





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