Postgraduate Diploma Childhood Dental Caries: Updated Pathology and Therapeutics



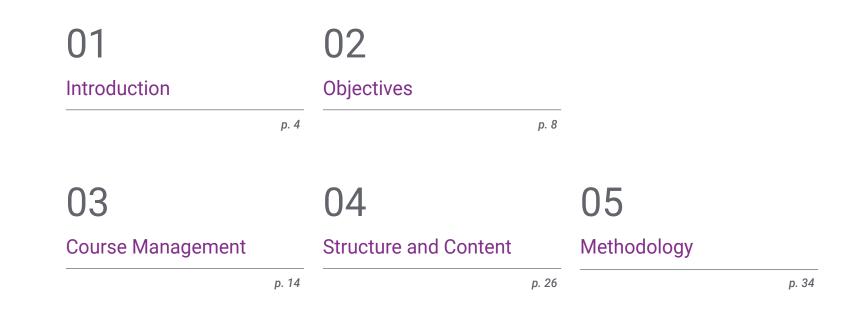


**Postgraduate Diploma** Childhood Dental Caries: Updated Pathology and Therapeutics

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 8h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/pk/dentistry/postgraduate-diploma/postgraduate-diploma-childhood-dental-caries-updated-pathology-therapeutics

# Index



06

Certificate

р. 42

# 01 Introduction

In recent decades, the oral care of children from birth to adolescence has been gaining relevance in the university, educational and research fields, as well as in public and private health care. Many factors have contributed to this, but two of them are worth mentioning: the specialization of scientific knowledge and social concern and protection for children. In view of this scenario, this program was developed, which seeks to provide the dental professional with up-to-date knowledge through an education taught entirely online and with a teaching team with extensive professional experience in pediatric dentistry.

Thanks to this Postgraduate Diploma, you will be aware of the latest developments in treatments and the most frequent emergencies in pediatric patients"

## tech 06 | Introduction

No one questions the need and relevance of a medical specialty dedicated to children, pediatrics, because the exponential and constant growth of knowledge and technology does not allow a single professional to know everything in medicine for all ages. Likewise, the same situation is less and less questioned in dentistry and the existence of specialists in the different dental fields is seen more and more as a matter of course. Teams are increasingly multidisciplinary, and the population demands individualized, specialized and quality care.

Therefore, this context requires dental professionals with innate qualities to work with children and with a complete, up-to-date, evidence-based and relevant program for the care and comprehensive oral and dental care of pediatric patients, from birth to 14 years of age. In this Postgraduate Diploma, the professional who completes this program will be able to renew their knowledge of the fundamentals of pediatric dentistry, the main diagnostic techniques and tools currently used, as well as the pathologies that may be encountered in their daily practice.

A 100% online Postgraduate Diploma that provides the dental professional with the ease of being able to study it comfortably, wherever and whenever they want. You will only need an electronic device with internet access to achieve the up-to-date knowledge you are looking for. A modality according to the current time that allows students to access the entire syllabus, allowing them to distribute the teaching load according to their needs. An excellent opportunity for those who wish to combine their personal responsibilities with an education that is at the educational forefront.

And, to round off an academic experience of the highest level, the graduate will have the support of a teaching team specialized in the field, managed by a leading figure in the field of Pediatric Dentistry. A professional versed in pediatric care and backed by a prestigious career in which, in addition to reaping success in the area of clinical care, he has also worked tirelessly in research and in the advancement of the specialty. Therefore, through 10 materclasses, he will share his experience and professional rigor, so that the professionañ can update their practice based on the most effective and innovative strategies in the sector. This **Postgraduate Diploma in Childhood Dental Caries: Updated Pathology and Therapeutics** contains the most complete and up-to-date scientific program on the market" Its most notable features are:

- Practical cases presented by experts in Dentistry
- 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
- 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

You will have the support of an unparalleled teaching team, as well as the guidance of a professional of international prestige in the field of Pediatric Dentistry through 10 exclusive Masterclasses"

### Introduction | 07 tech

For 6 months you will have the opportunity to learn about the latest developments in dental caries pathologies and treatments" Access a program that will allow you to renew your knowledge about the treatment of cavitated lesions.

This Postgraduate Diploma will introduce you to the most effective methods for the diagnosis of dental caries with technology.

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

Theultimerdia 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 knowledge 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 throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

# 02 **Objectives**

The syllabus of this Postgraduate Diploma has been designed with the aim that the dental professional who completes it obtains at the end of it a fairly broad update of knowledge in the field of prevention of dental caries and the different methods applied according to the age of the patient. All this, with quality audiovisual material provided by a specialized teaching team with a long professional career in this field.

Update your knowledge on the comprehensive approach to a patient in a more agile way with the multimedia content provided by this program"

# tech 10 | Objectives



### **General Objectives**

- Update the professional's knowledge in the different areas covered by comprehensive dental care in pediatric patients from birth to 14 years of age, with data-based scientific evidence
- Promote work strategies based on a comprehensive approach to the patient and individualized attention to each child according to their age and medical, dental and emotional needs
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training
- Encourage professional stimulation through continuous education and research
- Promote understanding of the integral and multidisciplinary nature of pediatric dentistry, the importance of orderly, systematized and ethical teamwork and the role of the dentist working with the pediatric population as a health educator for children and their families

The real clinical cases provided by the teaching team will allow you to put yourself in a situation and advance your daily clinical practice"



# Objectives | 11 tech





### Specific Objectives

#### Module 1. Pediatric Dentistry: Basics

- Identify and describe the stages of cognitive, emotional and social development of children and adolescents
- Recognize the psychological profile of the child and adolescent
- Assess possible patient behavior in the dental clinic
- Analyze the factors that impact the child's behavior
- Establish the different classifications of patients according to their behavior
- Describe non-pharmacological behavior management techniques
- Explain pharmacological management alternatives for uncooperative children
- Distinguish the different levels of sedation from each other and from general anesthesia
- Explain the action protocols in each case
- + List the most commonly used drugs for sedation and their antagonists
- Describe the inherent advantages and risks in the pharmacological sedation procedure
- Perform adequate basic behavioral guidance in patients according to their ages and cognitive and emotional capacities
- Explain the different stages of dental education and their chronology.
- Define the evolution of the different teeth during childhood and adolescence and their characteristics
- Identify and name temporary and permanent teeth
- List the differences between primary and permanent teeth and their clinical implications

# tech 12 | Objectives

#### Module 2. Preventive Pediatric Dentistry

- Recognize the structures that make up the healthy mouth of an edentulous infant and its physiology
- Reflect on the rationale and basics of baby dentistry
- Value an early establishment of the dental home
- Explain the multifactorial nature of caries and the multifaceted approach to caries prevention
- Explain the various methods of preventing dental caries and their application at different ages
- Develop appropriate prevention and maintenance plans for each patient
- Identify the most frequent deviations from normality in relation to tooth number and size, enamel, alterations and dentin structure alterations
- Identify the origin and consequences of alterations in tooth number and size, enamel structure and dentin structure alterations
- Define the criteria for the selection of complementary tests to correctly diagnose these disorders
- Explain the criteria for selecting the appropriate therapeutic option in each case





# Objectives | 13 tech

#### Module 3. Dental Caries Pathology and Treatment

- Explain the criteria for selecting the appropriate therapeutic option in each case
- Describe dental erosion
- Understand the role of each etiological factor in the development of erosive lesions
- Reflect on the current epidemiology of dental erosion and its multifactorial nature
- Apply available tools to diagnose erosive lesions and establish their severity
- Understand the role of each etiological factor in the development of caries lesions
- Reflect on the current epidemiology of dental caries and its multifactorial nature
- Apply the available tools to diagnose caries lesions
- Differentiate the different evolutionary stages of caries lesions
- Describe the concept of early onset or early childhood caries and their characteristics
- Explain the procedure and the steps to be taken for the correct obturation of cavities prepared for composite
- Define some systemic diseases that impact the oral cavity
- Learn to decide when it is necessary to use a preformed steel crown for the restoration of primary molars
- Learn to determine when it would be possible to use a preformed posterior or anterior aesthetic crown for the restoration of temporary teeth
- Be able to determine when it would be necessary to restore an anterior tooth using composite and an acetate crown
- Describe the necessary steps (procedure, material and criteria) for the preparation of an anterior temporary tooth to be restored with composite and an acetate crown

# 03 Course Management

In order to offer all its students a quality education, TECH has carefully selected all the teaching staff that integrates their program. Therefore, the dental professional who studies this online program will have at their disposal a management team and faculty with extensive experience in the field of pediatric dentistry, as well as in the educational field. Both professional qualities guarantee students not only receive the most up-to-date knowledge, but also the most up-to-date teaching methods.

66

A specialized teaching team with extensive experience will guide you to renew your knowledge of the dentist's practice"

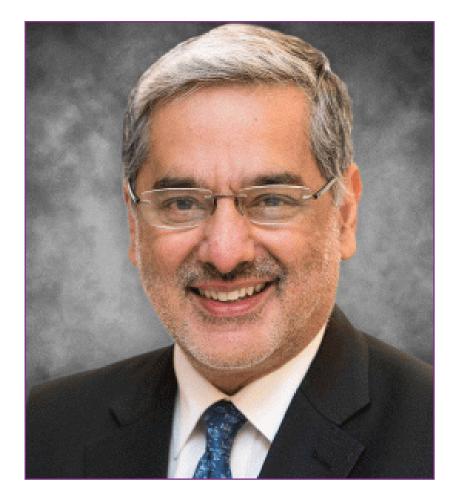
## tech 16 | Course Management

#### **Guest Director**

Professor Raman Bedi is the Chairman of the Global Child Dental Fund and was previously Chief Dental Officer in England, i.e. the most senior advisor on dentistry in each of the four UK governments and head of the dental profession.

Since 2012 Raman has been the founding chair of the oral health working group of the World Federation of Public Health Associations, which raises the importance of oral health issues affecting global public health. He is a practicing specialist, focusing exclusively on the comprehensive oral rehabilitation of young children. He was a consultant to the NHS in pediatric dentistry from 1991 to 2005 and is on the General Dental Council's list of specialists in pediatric dentistry and dental public health. He is a consultant to WHO on curriculum development in the field of patient safety and dentistry, and was co-chair of the World Expert Committee on the management and prevention of dental caries. Recently, he was asked by WHO to review dental services in Oman.

Raman served as head of dental public health at the Eastman Dental Institute at University College London and director of the National Centre for Transcultural Oral Health. He was also co-director of the World Health Organization Collaborating Centre at the Eastman Dental Institute. He is currently professor emeritus at King's College London. He is one of the few researchers to have been awarded a Doctor of Science degree by the University of Bristol (2003) for his contribution to dental research and a Doctor of Humane Letters degree (2010) by AT Still University (Arizona) for his scholarly contribution to the social sciences.



## Dr. Bedi, Raman

- Professor Emeritus of King's College London.
- Formerly Director of Dentistry England.
- Extraordinary Professor of Pediatric Dentistry at the University of the Western Cape, South Africa
- Adjunct Professor at the University of Pennsylvania
- Doctor of Dental Surgery, University of Bristol
- Doctor of Humane Letters from AT Still, U.S.A.
- Doctor of Science, University of Bristol
- Honorary Fellow of Dental Surgery of the Royal College of Physicians and Surgeons of Glasgow
- Honorary Fellow of the Faculty of Public Health, UK.

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

6

# tech 18 | Course Management

#### Professors

#### Dr. Del Campo Rodríguez, Angel

- Specialist in Pediatric Dentistry and Preventive and Interceptive Orthodontics.
- Ad Honorem collaborating professor in the Master of Aesthetic, Adhesive and Minimally Invasive Dentistry at the Lluis Alcanyis Foundation Dental Clinic, University of Valencia.
- Member of the American Academy of Pediatric Dentistry
- Member of the Spanish Society of Pediatric Dentistry
- PhD in Dentistry from the University of Valencia
- Degree in Dentistry from the Intercontinental University of Mexico City.
- Postgraduate degree in Pediatric Dentistry from New York University College of Dentistry
- Master in Gestalt Therapy and Diploma in Child and Adolescent Gestalt Therapy from the Gestalt Therapy Institute of Valencia

#### Dr. González Aranda, Cristina

- Exclusive private practice in pediatric dentistry in Madrid (Spain)
- Degree in Dentistry. Complutense University of Madrid
- PhD in Dentistry Complutense University of Madrid
- Master's Degree in Pediatric Dentistry. Complutense University of Madrid
- Master's Degree in Dental Sciences. Complutense University of Madrid
- Collaborating Professor of the Master's Degree in Pediatric Dentistry. Faculty of Dentistry, Complutense University of Madrid
- Associate Professor in Pediatric Dentistry. Faculty of Dentistry at the Complutense University of Madrid
- Exclusive private practice in pediatric dentistry in Madrid (Spain)

#### Dr. Figueroa García, Angela

- Degree in Dentistry, Los Andes University, Merida, Venezuela
- Master in Periodontics, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Doctor in Dentistry, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Undergraduate and postgraduate collaborating professor at the Department of Periodontology, Faculty of Medicine and Dentistry, Universities of Valencia, Spain
- Undergraduate and postgraduate collaborating professor in the Department of Periodontology, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Associate Professor of Advanced Periodontics, European University of Valencia, Spain

#### Dr. Barreda Ramos, Isai

- Dental Surgeon, Popular Autonomous University of the State of Puebla (UAEP)
- Specialty in Orthodontics, UNITEC 2000-2002
- Research Award 2003 by the Mexican Association of Orthodontics (AMO)

#### Dr. Palma Carrió, Cristina

- Master's Degree in Oral Surgery and Implantology University of Valencia
- Doctor at the University of Valladolid
- Diploma in Diagnosis and SEPA Foundation (Madrid)
- Periodontal treatment
- Diploma in Rotational and Microscopic Endodontics University of Valencia
- Master's Degree in Oral Surgery and Implantology University of Valencia
- Degree in Dentistry University of Valencia
- Intern in the Department of Oral Surgery during the 5th year

## Course Management | 19 tech

#### Dr. Cruz Pamplona, Marta

- Private clinical practice of general dentistry
- Degree in Dentistry. Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain
- Master's Degree in Medicine and Oral Surgery Faculty of Medicine and Dentistry, University of Valencia. Spain
- Diploma in Oral Medicine, General University Hospital Consortium in Valencia. Spain
- Associate Professor of Oral Medicine (international degree) (CEU-Cardenal Herrera University), Moncada, Valencia. Spain
- Professor of the degree in Dentistry (regular degree and international degree) at the European University of Valencia, Valencia, Spain
- Professor of Adult and Child Clinical Practice" at the European University of Valencia, Valencia, Spain
- Author of several research papers, publications and oral communications.
- Private clinical practice of general dentistry

#### Dr. Ureña Cirret, Jose Luis

- Master of Science. (M.S.) Pediatric Dentistry. University of Michigan, Ann Harbor, Mi. USA
- Dental Surgeon, National Autonomous University of Mexico, Mexico City, Mexico.
- Master of Science. (M.S.) Pediatric Dentistry. University of Michigan, Ann Harbor, Mi. USA
- Mini-residency in adhesive materials. University of Minnesota. Minneapolis, MN. USA
- Postgraduate Professor of Pediatric Dentistry, Technological University of México (UNITEC), Mexico City, Mexico
- Professor of the Degree in Pediatric Dentistry. Faculty of Dentistry, Intercontinental University (UIC), Mexico City, Mexico
- Visiting Professor at the Faculty of Dentistry Autonomous University of Tamaulipas, Tampico, Tamps. Mexico

#### Dr. Muwaquet Rodríguez, Susana

- Degree in Dentistry. University of Granada
- Degree in Dentistry. University of Granada
- Master's Degree in Clinical and Microscopic Endodontics. Murcia Catholic University
- Master's Degree in Forensic Medicine. Faculty of Medicine and Dentistry, University of Valencia. Spain
- Expert degree in surgery and prosthesis on implants at the European Center of Orthodontics (CEOSA)
- PhD in Dentistry University of Granada. Granada, Spain
- Associate Professor at the European University of Valencia. International Line. Valencia, Spain
- Member of the Spanish Association of Endodontics (AEDE)
- Member of the Spanish Society of Conservative and Esthetic Dentistry (SEOC)
- Spanish Society of Periodontics and Osseointegration (SEPA)
- Speaker and lecturer of courses at national and international level
- Author of several article papers, posters and communications
- Private Clinical Practice

#### Ms. Cargill Foster, Nelly Ruth

• Specialist in Dentistry

# tech 20 | Course Management

#### Dr. Enciso Ripoll, Manuel Jesús

- Degree in Dentistry, Faculty of Medicine and Dentistry, University of Valencia, Valencia, Spain
- Degree in Veterinary Medicine, Faculty of Experimental and Health Sciences, Cardenal Herrera CEU University, Moncada, Valencia, Spain
- Diploma of Advanced Studies, Program in Human Tumor Pathology, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Master's Degree in Molecular Oncology, National Cancer Research Center and European School of Oncology, Spain
- Official Master's Degree in Health Management, Catholic University of Valencia, Valencia, Spain
- Master's Degree in Dentistry at the Individual and Community Clinic. Faculty of Medicine and Dentistry, University of Valencia, Spain

#### Dr. Gatón Hernández, Patricia

- Director of Advanced Training in Multidisciplinary Minor Interventional Dentistry
- PhD in Dentistry, International University of Catalonia, Spain.
- Postgraduate Course in Pediatric Dentistry, Pediatric Hospital of Barcelona
- Postgraduate in Aesthetic Dentistry University of Barcelona
- Director of Academic Course by modules in Pediatric Dentistry
- Associate Professor at Barcelona University
- Guest Professor University of Sau Paulo, Brazil
- Member of the European Board of Minimun Intervention Dentistry.
- Frequent lecturer of courses on Restorative and Aesthetic Dentistry, Pediatric Dentistry and Dental Materials at national and international level
- Director of Advanced Training in Multidisciplinary Minor Interventional Dentistry. Barcelona, Spain





## Course Management | 21 tech

#### Dr. García Márquez, Juan Eliseo

- Degree in Dentistry Faculty of Medicine and Dentistry, University of Valencia. Valencia, Spain
- Master's Degree in Dentistry in special patients. University of Valencia. Dr. Peset Aleixandre hospital. Valencia, Spain
- Master's Degree in Hospital Surgery. University of Valencia. General University Hospital, Valencia, Spain
- Diploma in Periodontics. Faculty of Medicine and Dentistry, University of Valencia, Spain.
- Former Associate Professor Master's Degree in Dentistry in Special Patients. University of Valencia. Valencia, Spain
- Full professor of Special Patients. Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU University, Moncada, Valencia, Spain
- Associate Professor of Periodontics. Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU University, Moncada, Valencia, Spain
- Collaborating professor in Master's Degree in Oral Surgery and Implantology Faculty of
  Experimental

#### Dr. Segarra Ortells, Cristina

• Specialist in Dentistry

Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain

- Member of the Spanish Society of Odontostomatology for patients with special needs (SEOENE)
- Member of the Spanish Society of Periodontology and Osseointegration (SEPA)
- Private practice with exclusive dedication in Oral Surgery, Periodontics, Implants and Special Patients.

# tech 22 | Course Management

#### Dr. Gianní, Manfredi

- Master's Degree in Pediatric Dentistry. San Vicente Mártir Catholic University Valencia Spain
- Degree in Dentistry. European University of Valencia. Spain
- Master's Degree in Pediatric Dentistry. San Vicente Mártir Catholic University Spain
- Official Master's Degree in Advanced Orthodontics European University of Valencia. Spain
- Certificate of conscious sedation and basic instrumental cardiopulmonary resuscitation San Vicente Mártir Catholic University Spain
- Refresher course on dental care guidelines for patients with special needs Sant Joan de Déu hospital. Barcelona: Spain
- Associate Professor of Orthodontics at undergraduate and postgraduate levels European University of Valencia
- Professor of Pediatric Dentistry at Postgraduate level San Vicente Mártir Catholic University Spain
- Oral communication at the 36th, 38th, 39th Annual Meeting of the Spanish Society of Pediatric Dentistry (SEOP)
- Exclusive private practice in Pediatric Dentistry and Orthodontics

#### Ms. Limonchi Palacio, Landy Vianey

Specialist in Dentistry

#### Dr. Leyda Menéndez, Ana

- Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- Postgraduate Course in "Dentistry in special patients: Physically and mentally disabled patients and medically compromised patients". Faculty of Medicine and Dentistry, University of Valencia. Spain
- Postgraduate Course in Pediatric Dentistry. Faculty of Health Sciences. Scientific University of the South. Lima Peru
- Postgraduate Course in Pediatric Dentistry. Cayetano Heredia Peruvian University Lima
  Peru
- Doctor in Dentistry, Faculty of Medicine and Dentistry, University of Valencia Spain
- Associate Professor of the Master's Degree in Comprehensive Pediatric Dentistry. Faculty of Dentistry, CEU Cardenal Herrera University. Alfara del Patriarca. Valencia Spain
- Contract pediatric dentist, Clinic of Dentistry, Faculty of Dentistry of the CEU Cardenal Herrera University. Alfara del Patriarca. Valencia Spain
- National and International Lecturer
- Exclusive Practice in Pediatric Dentistry

#### Dr. Haya Fernández, Maria Celia

- Private practice in general dentistry
- Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- + PhD in Dentistry Faculty of Medicine and Dentistry, University of Valencia. Spain
- Master's Degree in Oral Medicine. General University Hospital University of Valencia. Spain
- Master's Degree in Health Education for Patients and Dependent People. Faculty of Medicine and Dentistry, University of Valencia. Spain

## Course Management | 23 tech

- Course on Pedagogical Adaptation. University of Valencia. Spain
- Professor of Gerodontology and Oral Medicine. Faculty of Experimental and Health Sciences, Cardenal Herrera CEU, Moncada, Valencia, Spain
- Member of the Spanish Society of Oral Medicine, the Spanish Society of Gerodontology and the Center for Dental Studies of Valencia
- Private practice in general dentistry

#### Dr. Lozano Pajares, Melanie

- Degree in Dentistry. Central University of Venezuela. Caracas, Venezuela
- Degree in Dentistry. Degree from the European University of Valencia
- Degree in Dentistry. European University of Valencia. Valencia, Spain
- Diploma in Pediatric Dentistry. Advanced training in Minimally Interventionist Multidisciplinary Dentistry. Barcelona, Spain
- Course on Conscious sedation in Dentistry. YaCare institute. Valencia, Spain
- Certification from Invisalign, Invisalign Essentials course in Madrid, Spain
- Member of the Spanish Society of Pediatric Dentistry
- Communications and presentations in different courses and congresses at national level.
- Exclusive private practice in Pediatric Dentistry with specialized attention in special patients with the use of Nitrous Oxide Sedation or anxiolysis

#### Dr. López Zamora, Maria Isabel

- Exclusive private practice of Pediatric Dentistry
- Degree in Dentistry. Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain
- Master's Degree in Comprehensive Pediatric Dentistry. Faculty of Experimental and Health Sciences, Cardenal Herrera CEU, Moncada, Valencia, Spain

- Master's Degree in Pediatric Dentistry at the CEU Cardenal Herrera University. Moncada, Valencia, Spain
- Course on Conscious sedation and Advanced life support for dentistry. InsvaCare training center. Paterna, Valencia
- Course on aesthetic pediatric crowns taught by NuSmile
- Oral communications at congresses of the Spanish Society of Pediatric Dentistry (SEOP)
- Exclusive private practice of Pediatric Dentistry

#### Dr. Manzano, Alberto

- Degree in Dentistry Faculty of Medicine and Dentistry, University of Valencia. Spain
- Degree in Dentistry Faculty of Medicine and Dentistry, University of Valencia. Spain
- Master's Degree in Denttal Pathology and Therapeutics. Faculty of Medicine and Dentistry, University of Valencia. Spain
- University Diploma in Implantology and Oral Rehabilitation. Paris XII University. Faculty of Medicine. Paris France
- Doctor in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- Executive Program in Management and Marketing for Dental Clnics. E-Universitas
- Professor in charge of the Endodontics course for the international group at the European University of Valencia
- Director of the postgraduate course in Management and Direction of Dental Clinics of Plan Synergia
- Lecturer of courses on Management and Marketing for dental clinics nationwide

# tech 24 | Course Management

#### Dr. Mut Ronda, Salvador

- Active pharmacist in a Pharmacy
- Degree in Pharmacy from the University of Valencia
- PhD in Pharmacy from the University of Valencia
- Expert course in Biomedical English at the European University of Valencia
- Associate Professor of General Pharmacology, Anesthesia, Resuscitation; Human Nutrition and General Pathology I and II (Spanish and English degree) at the Faculty of Health Sciences, Department of Dentistry of the European University of Valencia
- Author of several publications
- Director of Undergraduate Final Projects
- Participation in various specialized training programs in pharmacology.
- Active pharmacist in a Pharmacy

#### Dr. Negre Barber, Adela

- Private practice in general dentistry
- Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- PhD in Dentistry Oustanding Cum Laude. Faculty of Medicine and Dentistry, University of Valencia. Spain
- Master's Degree in Dental Sciences. Faculty of Medicine and Dentistry, University of Valencia. Valencia, Spain
- Master's Degree in Individual and Community Clinical Dentistry. Faculty of Medicine and Dentistry, University of Valencia. University-Company foundation (ADEIT). Valencia, Spain
- Author of several scientific articles in impact journals
- Communications in several Conferences (SESPO, SEOP)
- Best Novel Communication Award SEOP 2015
- Private practice in General Dentistry





## Course Management | 25 tech

#### Dr. Pérez Chicote, Víctor

- Degree in Dentistry 95 -00 at the University of Valencia
- Cum Laude Doctor in Dentistry from the University of Valencia
- Master's Degree in Dentistry in Special Patients. University of Valencia
- Master's Degree in Oral Implantology and Rehabilitation E.S.O.R.I.B
- University Diploma in Implantology and Maxillofacial Surgery. Fac. de Créteil, París
- Master's Degree in Dental Sciences University of Valencia
- Postgraduate course in Oral Surgery and Implantology at Univ. of Santa Clara, Cuba
- Postgraduate course in Advanced Surgery and Zygomatic Implants in Maringá -Brazil
- Member of SEI
- Experience: private practice in Valencia since 2000 and teaching training courses in oral surgery and Implantology in a private clinic

#### Dr. Saavedra Marbán, Gloria

- Specialist in Dental Care for children at high biological risk
- Degree in Dentistry. Complutense University of Madrid, Spain
- Master's Degree in Pediatric Dentistry. Complutense University of Madrid, Spain
- Specialist in Dental Care for children at high biological risk. Complutense University of Madrid. Spain
- PhD in Dentistry Complutense University of Madrid, Spain
- Professor at the Master's Degree in Pediatric Dentistry. Complutense University of Madrid, Spain
- Associate Professor of the Department of Stomatology IV of the Faculty of Dentistry, Complutense University of Madrid, Spain
- Member of the Pediatric Dentistry Scientific Commission of the Illustrious College of Dentists and Stomatologists of the I Region
- Private Practice in Pediatric Dentistry

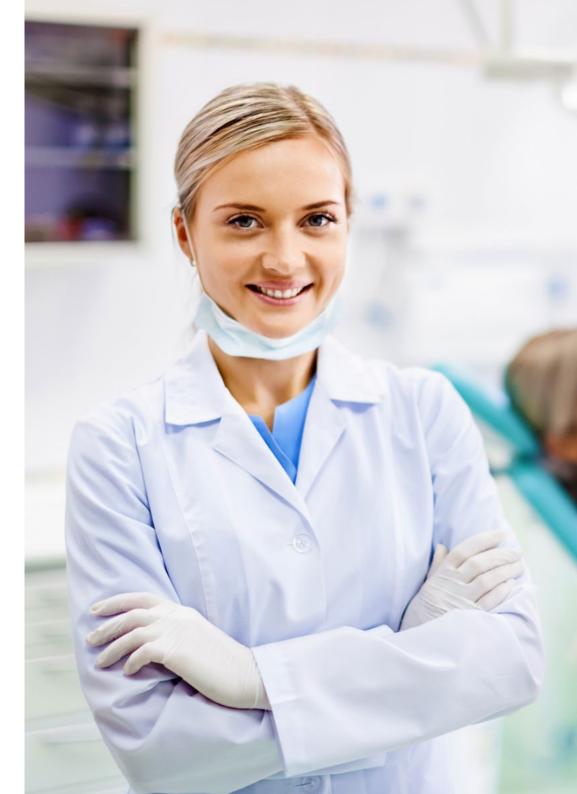
## tech 26 | Course Management

#### Dr. Sastriques Mateu, Cristina

- Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- Master's Degree in Endodontics Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain
- Postgraduate course in Implantology and Basic Oral Surgery, Coppel Doctors. Rubber Clinic. Madrid, Spain
- Expert Degree in Endodontics and Restorative Dentistry. Dr. Hipólito Fabra Clinic Valencia, Spain
- Conscious Sedation Course. Dentist Council of Barcelona Spain
- Professor of Pediatric Dentistry. European University of Valencia
- Member of the Spanish Association of Endodontics (AEDE)
- Author of Communications and Posters in several Conferences
- Private Practice in Endodontics and Pediatric Dentistry

#### Dr. Savall Orts, Maria

- Degree in Dentistry, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Master's Degree in Oral Medicine and Surgery, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Master in Aesthetic, Adhesive and Minimally Invasive Dentistry, University of Valencia, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Postgraduate course in Occlusion, Temporomandibular Dysfunction and Orofacial Pain by the Catalan Society of Odontology and Stomatology (SCOE)
- Ad Honorem Adhesive and Minimally Invasive Aesthetic Dentistry Master, Dental Clinic Lluis Alcanyis Foundation, University of Valencia, Valencia, Spain
- Private practice in General Dentistry specializing in Oral Medicine and Aesthetic Dentistry.



## Course Management | 27 tech

#### Dr. Serrano Martínez, Concepción

- Degree in Medicine and General Surgery, University of Murcia, Spain
- Specialist in Stomatology, University of Murcia, Spain
- Postgraduate degree in Dentistry for the special and medically compromised patient, Faculty of Medicine and Dentistry, University of Valencia, Spain
- Doctor of Medicine and General Surgery, Faculty of Medicine and Dentistry, University of Valencia, Spain
- National referral specialist, DEBRA Spain Association, for dental care in patients with epidermolysis bullosa.
- Private practice in general dentistry
- Former Director of the Faculty of Dentistry. Faculty of Dentistry, Intercontinental University (UIC), Mexico City, Mexico
- Representative of the Mexican Dental Association (ADM) in the program for the accreditation of dental degree programs

#### Dr. Melo Almiñana, Maria Pilar

- Private practice in Comprehensive dentistry
- Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- PhD in Dentistry Oustanding Cum Laude. Faculty of Medicine and Dentistry, University of Valencia. Spain
- Master's Degree in Aesthetic Dentistry Faculty of Medicine and Dentistry, University of Valencia. University-Company foundation (ADEIT). Valencia, Spain
- Master's Degree in Forensic sciences. Faculty of Medicine and Dentistry, University of Valencia. University-Company foundation (ADEIT). Valencia, Spain

- Biomaterials teacher, Spanish and English degree. European University of Valencia. Valencia, Spain
- Associate Professor of Dental Pathology and Therapeutics. Faculty of Medicine and Dentistry, University of Valencia. Valencia, Spain
- Publication of several scientific articles in JCR journals
- Private practice in general dentistry

#### Dr. Ramírez Mendoza, Jeannette

- Dentist surgeon. Juárez Autonomous University of Tabasco, Villahermosa, Tabasco, Mexico
- Specialist in Pediatric Dentistry. Juárez Autonomous University of Tabasco. Villahermosa, Tabasco, México
- Specialist in Dentistry. Mexican Dentistry Association for Teaching and Research
- Diploma in Dentofacial Orthopedics, AOMEI. Mexico City, Mexico
- Master's Degree in Medical Education. Higher Institute in Medical Sciences of La Habana, Habana, Cuba
- Doctor in Education. Iberoamericana University Foundation
- Diploma in Emotional Intelligence. Center for Human Development
- Juárez Autonomous University of Tabasco (CSUM-UJAT), Villahermosa, Tabasco, Mexico
- Research Professor of the Postgraduate Course in Orthodontics and Pediatric Dentistry. Juárez Autonomous University of Tabasco. Villahermosa, Tabasco, México
- Certification and Recertification. National Council of Children's Dentistry and National Council of Orthodontics of Mexico
- Exclusive consultation for Babies, Children and Adolescents

# 04 Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of specialization in daily medical practice, aware of the current relevance of the program to be able to act before the pediatric patient with dental caries and committed to quality teaching through new educational technologies.



This Postgraduate Diploma in Childhood Dental Caries: Updated Pathology and Therapeutics contains the most complete and up-to-date scientific program on the market"

# tech 30 | Structure and Content

#### Module 1. Pediatric Dentistry: Basics

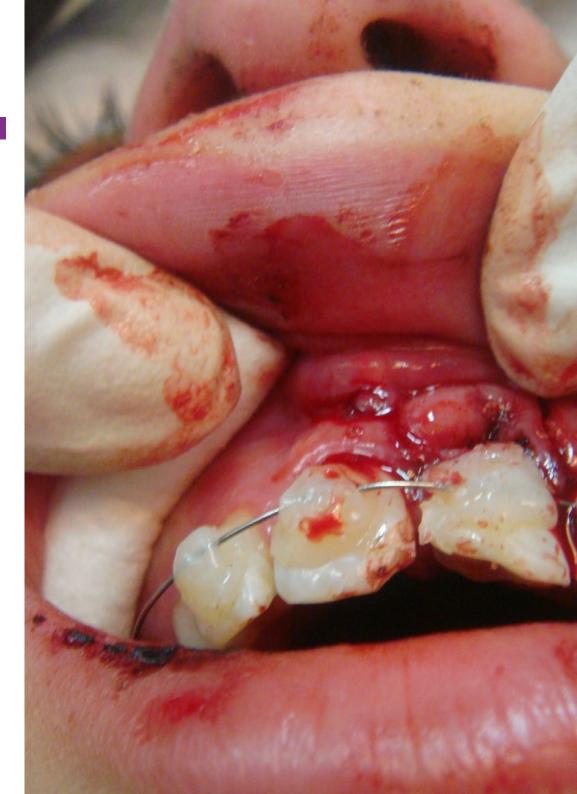
- 1.1. Introduction to Pediatric Dentistry
  - 1.1.1. What is Pediatric Dentistry and What is the Role of the Pediatric Dentist in Today's Dentistry?
  - 1.1.2. Vision and Objectives of the Pediatric Dentist
  - 1.1.3. Historic Evolution of Pediatric Dentistry
  - 1.1.4. Comprehensive Care of the Pediatric Patient
  - 1.1.5. Differences between Pediatric Dentistry and Other Dental Specialties. Differences between Pediatric and Adult Patients.
  - 1.1.6. Characteristics of an "Ideal" Pediatric Dentist and the Future Challenges of Pediatric Dental Care
- 1.2. Clinical Examination in Pediatric Dentistry
  - 1.2.1. First Visit in Pediatric Dentistry: Objectives, Requirements and Tools
  - 1.2.2. Medical History: Objective, Fundamentals and Sructure
  - 1.2.3. Clinical Examination: Objective, Characteristics and Structure
  - 1.2.4. Extraoral Clinical Examination
  - 1.2.5. Intraoral Clinical Examination
  - 1.2.6. Oral Hygiene Evaluation
  - 1.2.7. Diet Evaluation
- 1.3. Radiological Examination and Complementary Tests
  - 1.3.1. Radiological Tests
    - 1.3.1.1. Advantages Types

1.3.1.2. Extraoral X-Rays: Lateral Skull Orthopantomography, Wrist X-ray: Objectives

1.3.1.3. Advantages Indicated Time of Execution and Disadvantages

1.3.1.4. Intraoral X-Rays. Bitewing, Periapical and Occlusal X-Rays: Objectives, Indications, Advantages, Disadvantages and Materials Criteria: Age and Risk of Caries

- 1.3.2. Complementary Tests
  - 1.3.2.1. Laboratory Tests: Usefulness
  - 1.3.2.2. Study Models: Indications
  - 1.3.2.3. Clinical Images: Advantages



## Structure and Content | 31 tech

- 1.4. Diagnosis and Treatment Plan
  - 1.4.1. The Diagnostic Process. Concept
  - 1.4.2. Information: Need and Requirement
  - 1.4.3. Provisional Diagnosis, Differential Diagnosis and Definitive Diagnosis
  - 1.4.4. Therapeutic Process: Objectives
  - 1.4.5. Adequate Treatment: Rationale, Requirements, Objectives and Phases
    - 1.4.5.1. Immediate Phase (Urgent Measures)
    - 1.4.5.2. Systemic Phase (Medical Alerts)
    - 1.4.5.3. Preparatory Phase (Preventive Measures)
    - 1.4.5.4. Corrective Phase (Operative Dentistry)
    - 1.4.5.5. Maintenance Phase
    - 1.4.5.6. Schedule or Appointment-Based Planning: Importance
- 1.5. Chronology and Morphology of Primary and Permanent Dentition, Eruption and Dental Occlusion
  - 1.5.1. Chronology of Human Dentition. Importance
  - 1.5.2. Nolla's Phases of Dental Development
  - 1.5.3. Morphology of Temporary Dentition. Importance Features
  - 1.5.4. Differences Between Temporary (TT) and Permanent Teeth (PT)
  - 1.5.5. General Characteristics of the Temporal Incisor Group
  - 1.5.6. Clinical Repercussions of the Differences Between TT and PT
  - 1.5.7. General Characteristics of the Temporal Canine Group
  - 1.5.8. General Characteristics of the Temporal Molar Group
- 1.6. Nomenclature and Dental Identification Systems
  - 1.6.1. Introduction
  - 1.6.2. Guide for the Identification of Teeth. Shape and Color, Presence of Mamelons, Eruption Status, Chronological Age and History of Premature Extractions
  - 1.6.3. Primary and Permanent Dentition Nomenclature
  - 1.6.4. Dental Identification Systems
    - 1.6.4.1. International System or FDI
    - 1.6.4.2. Universal or American System
    - 1.6.4.3. Zsigmondy or Palmer System
    - 1.6.4.4. Haderup or German System

#### Module 2. Preventive Pediatric Dentistry

- 2.1. First Dental Visit
  - 2.1.1. Introduction
  - 2.1.2. Objectives of the First Dental Visit
  - 2.1.3. Preparing the Child for their First Dental Visit
  - 2.1.4. Dental Visit by Ages. Techniques and Suggestions
- 2.2. Oral Health of the Child and Anticipatory Guide for Parents and/or Tutors
  - 2.2.1. Risk Assessment: Definition and Tools
  - 2.2.2. Cambra Method
    - 2.2.2.1. Children Under the Age of 6
    - 2.2.2.2. Over the Age of 6
  - 2.2.3. "Dental Home". Concept 2.2.3.1. Features
    - 2.2.3.2. Benefits
  - 2.2.4. Anticipatory Guide for Parents
    - 2.2.4.1. Concept
    - 2.2.4.2. Oral Health Protocols for Babies
    - 2.2.4.3. Importance of Non-Dental Professionals in the Oral Health of Infants
- 2.3. Measures to Control Plaque in Pediatric Dentistry
  - 2.3.1. Introduction. Concept: Dental Plaque in Caries Etiology
  - 2.3.2. Mechanical Control of the Plaque
    - 2.3.2.1. Toothbrush. Characteristics and Techniques
    - 2.3.2.2. Toothpastes
    - 2.3.2.3. Dental Floss: Characteristics and Techniques
  - 2.3.3. Chemical Control of the Plaque
    - 2.3.3.1. Chemical Anti-Plaque Agents. Properties
  - 2.3.4. Preventive Oral Hygiene Measures for Children by Age

## tech 32 | Structure and Content

- 2.4. Dietary Measures and Nutrition in the Pediatric Patient
  - 2.4.1. Introduction. Nutrition in Child Dental Development
  - 2.4.2. Diet: Way of Feeding and Frequency of Intake, Factors of Dietary Cariogenicity. Protective Food
    - 2.4.2.1. Food Pyramid Guide
    - 2.4.2.2. Dietary Survey
    - 2.4.2.3. Balanced and Non-Cariogenic Diet
    - 2.4.2.4. Dietary Advice ("Counseling") in the Visit
    - 2.4.2.5. Clinic
- 2.5. Use of Fluorides in Pediatric Dentistry
  - 2.5.1. Introduction. Metabolism. Mechanisms of Action
    - $2.5.1.1.\ Systemic \ Fluoride.$  Fluoridation of Water and Other Sources. Advantages and Disadvantages
    - 2.5.1.2. Topical Fluoride: Mechanisms of Action, Types and Fluoride Products
    - 2.5.1.3. Acute Toxicity
    - 2.5.1.4. Chronic Toxicity. Dental Fluorosis
    - 2.5.1.5. Appropriate Prescription of Topical Fluoride According to Age and Risk of Caries
- 2.6. Dentistry for Babies
  - 2.6.1. Patients Under 3 Years of Age: Characteristics
  - 2.6.2. The Edentulous Baby's Mouth
    - 2.6.2.1. Constituent Elements and Functions
  - 2.6.3. Possible Findings
    - 2.6.3.1. Inclusion Cysts
    - 2.6.3.2. Microkeratocysts
    - 2.6.3.3. Geographic Tongue
    - 2.6.3.4. Natal and Neonatal Teeth
    - 2.6.3.5. Ankyloglossia
    - 2.6.3.6. Riga-Fede Syndrome
  - 2.6.4. Baby Dentistry: Concept, Rationale and Fundamentals
  - 2.6.5. The First Visit for a Child Under 3 Years of Age: Timing, Objectives and Constituent Elements

- 2.7. Maintenance of the Oral and Dental Health of Children Under 3 Years of Age
  - 2.7.1. Information: Type of Information and Methodology
  - 2.7.2. Transmission Education2.7.2.1. Motivational Interviewing: Characteristics and Objectives2.7.2.2. Anticipatory Guide
  - 2.7.3. Preventive Strategies for Children Under the Age of 32.7.3.1. Caring for the Oral Health of Parents2.7.3.2. Oral Hygiene2.7.3.3. Balanced Non-Cariogenic Diet
    - 2.7.3.4. Adequate Fluoride Intake
    - 2.7.3.5. Periodic Professional Monitoring

#### Module 3. Dental Caries Pathology and Treatment

- 3.1. Dental Caries. Etiology, Pathogenesis and Clinical Manifestations
  - 3.1.1. Concept of Caries Disease
  - 3.1.2. Host-Related Factors: Teeth and Saliva
  - 3.1.3. Etiological Factors of Caries Disease
    - 3.1.3.1. Host-Related Factors: Teeth and Saliva
    - 3.1.3.2. Factors Related to Plaque Microbiology

3.1.3.3. Diet-Related Factors: Factors Dependent on the Food Ingested. Dietary Factors Dependent on the Individual

3.1.3.4. Factors Dependent on the Individual's Cultural and Socioeconomic Context

- 3.1.4. Pathogenesis of the Caries Lesion
  - 3.1.4.1. Demineralization/Remineralization Process. Critical pH
  - 3.1.4.2. Oral Regulation of pH Fluctuations and Remineralization
- 3.1.5. Clinical Manifestations of Caries Lesions
  - 3.1.5.1. Incipient Caries Lesions
  - 3.1.5.2. Cavitated Caries Lesions

## Structure and Content | 33 tech

- 3.1.6. Epidemiology of Dental Caries
  - 3.1.6.1. Caries in Primary Dentition
  - 3.1.6.2. Caries in Mixed Dentition
  - 3.1.6.3. Caries in Young Permanent Dentition
- 3.2. Diagnosis of Dental Caries
  - 3.2.1. Detecting and Monitoring Caries Lesions

3.2.1.1. Methods That Do Not Require Technological Support: Visual Method and Tactile Method

3.2.1.2. Methods that Require Technological Support: Radiological Methods, Methods Based on Visible Light, Methods Based on Laser Light, Methods Based on Ultrasound and Methods Based on Electric Current

3.2.1.3. Injury Activity Assessment: ICDAS System

- 3.2.1.4. Establishing the Patient's Risk of Caries
- 3.3. Early Childhood Caries (ECC)
  - 3.3.1. Feeding Up to 6 Months of Age

3.3.1.1. Exclusive Breastfeeding on Demand: Its Influence on Craniofacial Development. Benefits

- 3.3.1.2. Bottle Feeding: Indications and Consequences of its Use
- 3.3.2. The Process of Eruption: Timeline
- 3.3.3. The Tasks of Temporal Dentition
- 3.3.4. Feeding After the Eruption of the First Tooth: Ablactation
- 3.3.5. Feeding After the Eruption of the Second Temporal Molar
- 3.3.6. Prolonged Breastfeeding: Concept and Risks
- 3.3.7. Early Childhood Caries
  - 3.3.7.1. Concept
  - 3.3.7.2. Types
  - 3.3.7.3. Transmissibility Habits and Infectivity Window
  - 3.3.7.4. Characteristics: Rapid Progression: Reasons
  - 3.3.7.5. Consequences

- 3.4. Therapeutic Remineralization in Incipient Caries Lesions
  - 3.4.1. Objectives and Requirements of Therapeutic Remineralization
  - 3.4.2. Remineralization Products and Systems

3.4.2.1. Fluoride: Mechanisms of Action for Remineralization

3.4.2.2. Casein Phosphopeptide-Amorphous Calcium Phosphate Phosphopeptide Complexes (CPP-ACP): Nature, Mechanisms of Action, Presentations and Mode of Use

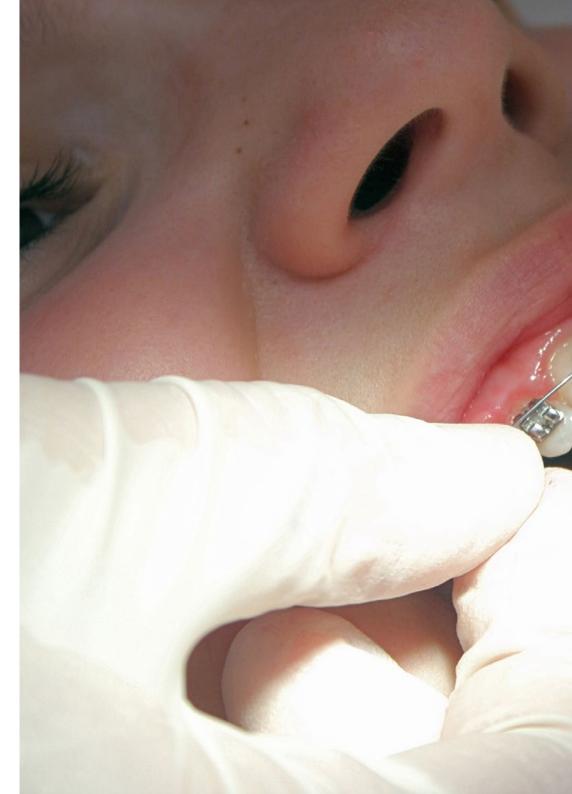
3.4.2.3. New Materials in Remineralization. Materials Derived From Nanotechnology: Nano-Hydroxyapatite and Nano-Carbonateapatite. Bioactive Crystals Based on Amorphous Sodium Phosphosilicate and Calcium Phosphates 3.4.2.4. Alternative Products to Favour Remineralization

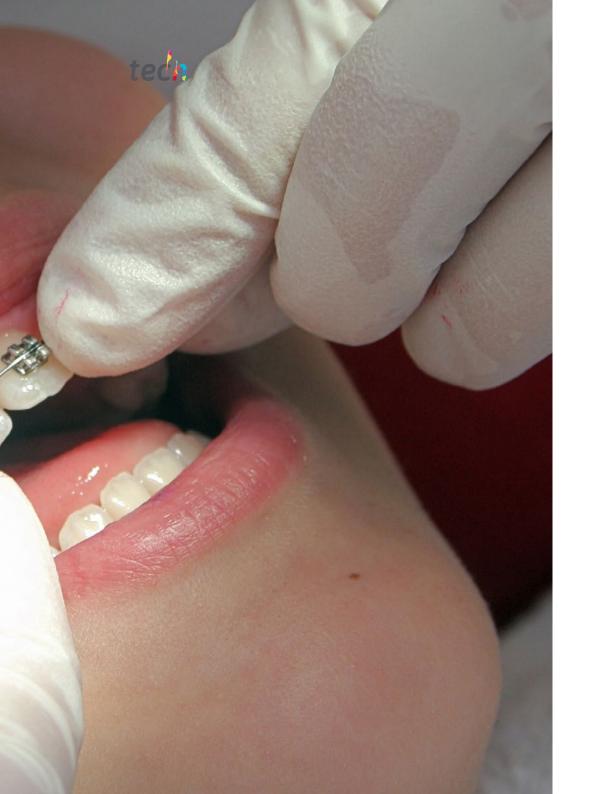
- 3.5. Treatment of Cavitated Caries Lesions. Principles
  - 3.5.1. Objectives of Dental Surgery in Children
  - 3.5.2. Factors That Modify Dental Surgery in Children:
    - 3.5.2.1. Behaviour
    - 3.5.2.2. Dentition Development
    - 3.5.2.3. Extent and Depth of Cavitated Caries Lesions
    - 3.5.2.4. Systemic Status of the Patient
    - 3.5.2.5. Morphological Characteristics of Temporary Teeth
  - 3.5.3. Principles of Minimally Invasive Dentistry
    - 3.5.3.1. Removal of the Least Amount of Tooth Tissue Necessary
    - 3.5.3.2. Preservation of Pulp Vitality
    - 3.5.3.3. Using Bioactive Materials
  - 3.5.4. Absolute Isolation
    - 3.5.4.1. Objectives
      - 3.5.4.2. Materials and Their Adaptation to Children: Dike, Clamps and Young's Arc

3.5.4.3. Placement Techniques by Age: Pre-schoolers, Schoolchildren and Adolescents

## tech 34 | Structure and Content

- 3.6. Pit and Fissure Sealants (PFS). Preventive Resin Restorations (PRR)
  - 3.6.1. Introduction. Historical Background of Fissure Sealants
    - 3.6.1.1. Types of Fissures
    - 3.6.1.2. Cariostatic Properties
    - 3.6.1.3. Types of Sealants
    - 3.6.1.4. Patient Selection: Indications and Contraindications
    - 3.6.1.5. Placement Technique
    - 3.6.1.6. How to Prevent Fissure Sealants From Fracturing and Falling Off
  - 3.6.2. Preventive Resin Restorations (PRR)
    - 3.6.2.1. Concept
    - 3.6.2.2. Types
    - 3.6.2.3. Placement Technique
- 3.7. Atraumatic Restorative Treatment (ART). Temporary Therapeutic Restorations (TTR)
  - 3.7.1. Introduction. Concept
  - 3.7.2. Principles of ART and its Evolution to TTR
- 3.8. Treatment of Cavitated Caries Lesions. Materials
  - 3.8.1. Pulp Protection Materials
    - 3.8.1.1. Calcium Hydroxide: Mechanism of Action. Indications. Advantages and Disadvantages
  - 3.8.2. Glass Ionomer: Self-Curing and Light Curing
    - 3.8.2.1. New Bioactive Materials
  - 3.8.3. Materials for Dental Restoration
    - 3.8.3.1. Restorative Glass Ionomer: Characteristics, Indications, Contraindications, Advantages, Disadvantages and Mode of Use
    - 3.8.3.2. Composite Resins or Composites. Concept and Types
    - 3.8.3.3. Principles of Use
    - 3.8.3.4. Preparation of the Remaining Tooth Structure for the Use of Composites: Dentin Adhesives: Types Available Today and Selection Criteria
- 3.9. Treatment of Large Cavitated Caries Lesions in Pediatric Dentistry
  - 3.9.1. Complex Lesions in Temporary and Permanent Teeth:
    - 3.9.1.1. Characteristics and Consequences
    - 3.9.1.2. Treatment Options in Temporary and Permanent Dentition





## Structure and Content | 35 tech

Treatment of Molars: Preformed Crowns
3.9.2.1. Indications. Advantages and Disadvantages
3.9.2.2. Types: Metallic Preformed Crowns Pediatric Aesthetic Crowns
3.9.2.3. Technique of Preparation, Adaptation and Cementation of Metal Crowns. Defective Crowns and Complications
3.9.2.4. Technique of Preparation and Cementation of Aesthetic Pediatric Crowns
3.9.2.5. Defective Crowns and Complications
Treatment of Anterior Teeth
3.9.3.1. Preformed Acetate Crowns. Indications and Contraindications. Procedure. Complications
3.9.3.2. Aesthetic Pediatric Crowns. Aesthetic Pediatric Crown Preparation and Cementation Technique
3.9.3.3. Defective Crowns and Complications
Treatment of Anterior Teeth
3.9.4.1. Preformed Acetate Crowns
3.9.4.2. Indications and Contraindications
3.9.4.3. Procedure
3.9.4.4. Complications

3.9.2.

3.9.3.

3.9.4.

6

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

# 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.

*O* 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"

## tech 38 | Methodology

#### At TECH 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. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning 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, trying to recreate the real conditions in the dentist's professional 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. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
- 2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
- 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.



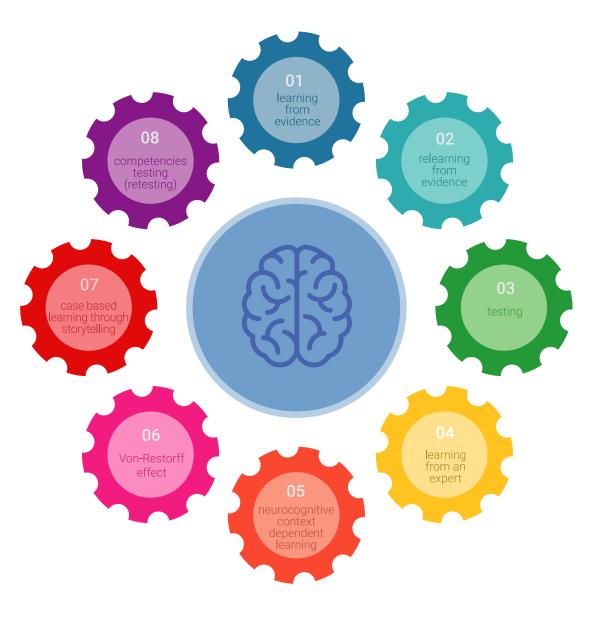
## tech 40 | Methodology

#### **Relearning Methodology**

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

This univers||ity is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

The student 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.



### Methodology | 41 tech

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 115,000 dentists with unprecedented success, in all specialties regardless of the 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.



## tech 42 | Methodology

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 highly specific and precise.

20%

15%

3%

15%

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.



#### **Educational Techniques and Procedures on Video**

TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of 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 the videos as many times as you like.



#### **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.

## Methodology | 43 tech



#### **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.

20%

7%

3%

17%



#### **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**

This Postgraduate Diploma in Childhood Dental Caries: Updated Pathology and Therapeutics guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Diploma issued by TECH Technological University.

Certificate | 45 tech

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Successfully complete this program and receive your university degree without travel or laborious paperwork"

## tech 46 | Certificate

This **Postgraduate Diploma in Childhood Dental Caries: Updated Pathology and Therapeutics** contains the most complete and updated scientific program 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 certificate 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 Childhood Dental Caries: Updated Pathology and Therapeutics

Official Nº of hours: 400 h.



technological university Postgraduate Diploma Childhood Dental Caries: Updated Pathology and Therapeutics » Modality: online » Duration: 6 months » Certificate: TECH Technological University » Dedication: 8h/week » Schedule: at your own pace » Exams: online

## Postgraduate Diploma Childhood Dental Caries: Updated Pathology and Therapeutics

