Postgraduate Certificate
Diagnostic Imaging in Veterinary Dentistry

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Postgraduate Certificate
Diagnostic Imaging in Veterinary Dentistry

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/diagnostic-imaging-veterinary-dentistry**

Index

01

Introduction

Diagnostic imaging in veterinary dentistry is a very useful and essential tool in the diagnosis of the majority of oral pathologies found in domestic species. For this reason, having specialized knowledge of each of the available imaging tools and their application in veterinary dentistry is a must for any veterinary professional who wants to specialize in veterinary dentistry.

Become a professional in one of the most in-demand fields of the moment: train in Diagnostic Imaging in Veterinary Dentistry with this comprehensive Postgraduate Certificate"

The Postgraduate Certificate in Diagnostic Imaging in Veterinary Dentistry is a response to the needs and demands of veterinary clinicians who, based on the high number of cases they encounter, seek to offer the best service to their patients.

This program addresses the different imaging methods used in recent years, generating advanced knowledge of each test, as well as each technique currently used. All of them complement the oral examination of each animal species to be treated and indicate the most appropriate and recommendable treatment for it.

The teaching team that makes up the course is composed of veterinary professionals specializing in the different subjects taught in the course, with extensive experience both at a teaching and practical level. They are familiar with university training, teaching courses, degrees and different postgraduate courses related to the veterinary profession, and specifically Diagnostic Imaging in Veterinary Dentistry. These lecturers are active professionals, both at university and clinical level, working in leading veterinary centres and participating in various research projects.

The modules developed in the course have been selected with the aim of offering the veterinary clinician the possibility of taking a step further in their future as a specialist in Dentistry and to develop specialized theoretical and practical knowledge to confidently face any oral and maxillofacial procedure that they may encounter in their daily practice.

The advanced knowledge developed in this Postgraduate Certificate is supported by the clinical experience of the authors, as well as scientific articles and publications directly related to the current veterinary dentistry sector.

This Postgraduate Certificate provides students with all the theoretical and practical knowledge necessary to safely tackle any oral and maxillofacial procedure in the studied species.

Nowadays, the possibility of coordinating the veterinary clinician's working life with a Postgraduate Certificate is highly valued and valuable, and this course meets this requirement, in terms of teaching quality. The online format allows students to balance their work and academic life, and meets the demands and requirements of the veterinary professional.

This **Postgraduate Certificate in Diagnostic Imaging in Veterinary Dentistry** offers you the advantages of a high-level scientific, teaching, and technological course. These are some of its most notable features:

- The latest technology in online teaching software.
- Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- Practical cases presented by practising experts.
- State-of-the-art interactive video systems.
- Teaching supported by telepractice.
- Continuous updating and recycling systems.
- Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification.
- Support groups and educational synergies: questions to the expert, debate and knowledge.
- Communication with the teacher and individual reflection work.
- Content that is accessible from any fixed or portable device with an Internet connection
- Complementary documentation banks permanently available, even after the course.

A Postgraduate Certificate that will enable you to work in all fields of Veterinary Dentistry with the competence of a high-level professional"

Become fully and adequately qualified in Veterinary Dentistry with this highly effective Postgraduate Certificate and open new avenues for your professional progress"

Our teaching staff is made up of professionals from different fields related to this specialty. In this way we ensure that we deliver the educational update we are aiming for. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will bring the practical knowledge derived from their own experience to the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate in Diagnostic Imaging in Veterinary Dentistry. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your learning.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

You will be supported by the experience of expert professionals who will contribute their experience in this area to the program, making this training a unique opportunity for professional growth"

02

Objectives

Our objective is to train highly qualified professionals for the working An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise course.

If your objective is to broaden your skills set to include new paths of success and development, this is the course for you: learning that aspires to excellence"

General Objectives

- Establish an appropriate imaging test methodology for each patient
- Identify pathological images obtained from imaging tests
- Generate a dental diagnostic protocol based on diagnostic imaging
- Choose the most appropriate dental treatments based on imaging tests

A path to achieve specialization and professional growth that will propel you towards a greater level of competitiveness in the job market"

Specific Objectives

- Provide specialised knowledge to carry out a correct dental or oral cavity examination of each patient
- Determine and differentiate between pathological and physiological images in veterinary dentistry
- Establish differential diagnoses based on the imaging tests performed
- Propose a working methodology for the dental patient based on imaging tests
- Generate specialised knowledge on the functioning and development of dental radiography
- Generate advanced knowledge on the dynamics of Computerized Tomography applied to veterinary dentistry
- Analyse the usefulness of Magnetic Resonance Imaging applied to this sector of veterinary medicine

03

Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.

An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed"

Management

Saura Alfonseda, José María

- Degree in Veterinary Medicine from the University of Murcia.
- Member of the SEOVE and speaker at several SEOVE Congresses.
- Master's Degree in Dentistry and Maxillofacial Surgery V from the UCM in 2008
- Lecturer at the Faculty of Veterinary Medicine of the UAX in subjects such as Animal Physiopathology, Clinical Propaedeutics and Animal Anatomy.
- Senior Veterinarian at the Internal Medicine Service of the Veterinary Hospital Universidad Alfonso X El Sabio (HCV UAX) since 2006.
- Head of the Veterinary Dentistry and Maxillofacial Surgery Service of the HCV UAX since 2009.
- Outpatient Veterinary Dentistry and Maxillofacial Surgery Service (sauraodontovet) since 2013.

04

Structure and Content

The contents of this Postgraduate Certificate have been developed by the different experts on this course, with a clear purpose: to ensure that our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.

We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too"

Module 1. Imaging Procedures in Veterinary Dentistry

1.1. Safety and Security in Dental and Maxillofacial Imaging Procedures. Physiological Imaging in Dentistry
- 1.1.1. Physiological Image
- 1.1.2. Definitions
- 1.1.3. Protections
- 1.1.4. Recommendations

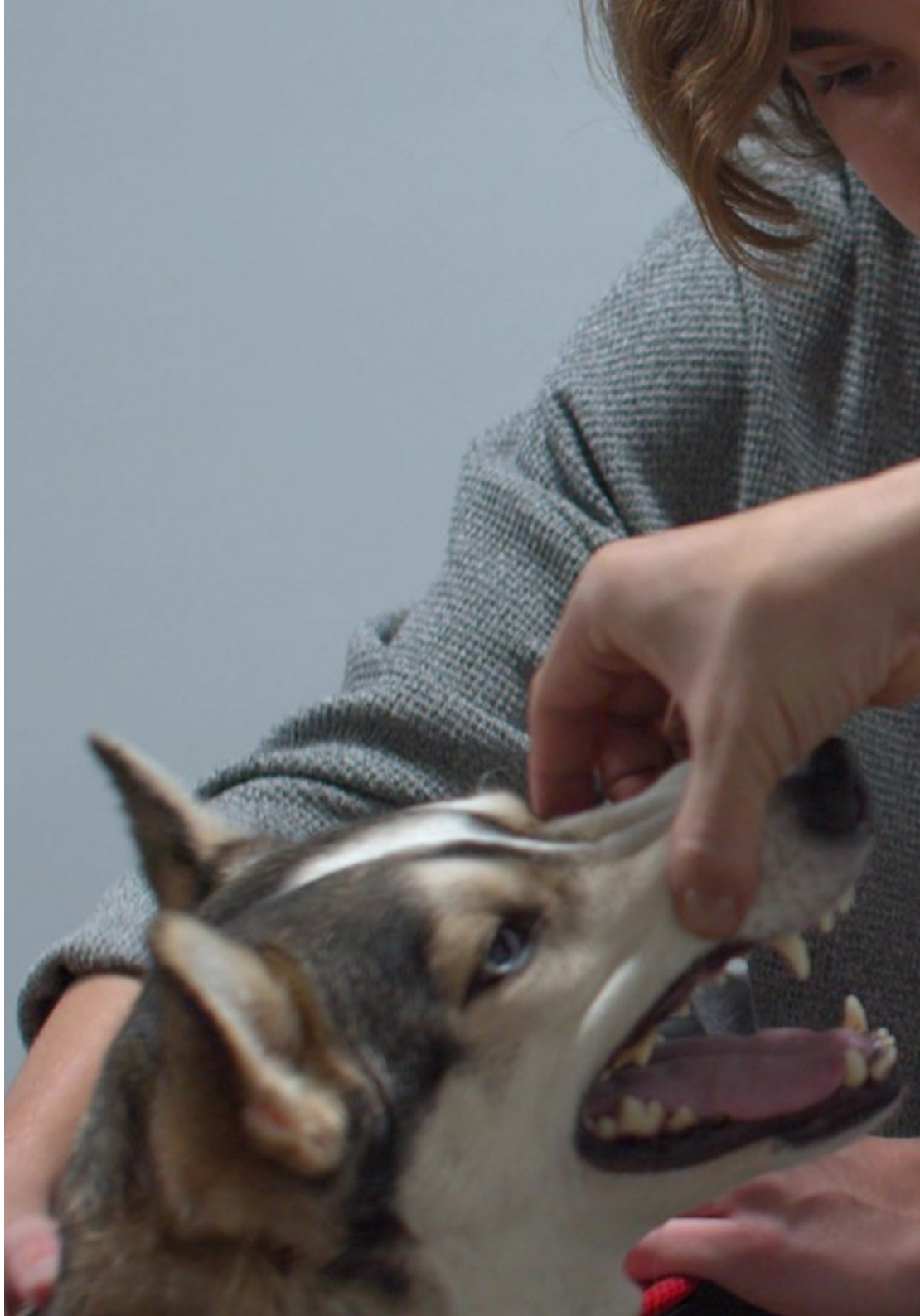
1.2. Dental Radiology in Veterinary Dentistry
- 1.2.1. X-Ray Unit. Radiographic Films.
- 1.2.2. Intraoral Dental Radiography Techniques
  - 1.2.2.1. Bisector Angle Technique
    - 1.2.2.1.1. Positioning of Maxillary and Mandibular Incisors
    - 1.2.2.1.2. Positioning of Maxillary and Mandibular Canines
    - 1.2.2.1.3. Positioning of Premolars and Molars
  - 1.2.2.2. Parallelism Techniques
    - 1.2.2.2.1. Positioning of Premolars and Molars
- 1.2.3. Revealing Radiography
  - 1.2.3.1. Revealing Techniques
  - 1.2.3.2. Dental Digital Development Systems

1.3. Ultrasonography and the Use of Ultrasound in Veterinary Dentistry
- 1.3.1. Principles of Ultrasound. Definitions
- 1.3.2. Ultrasounds in Veterinary Dentistry
- 1.3.3. Uses in Veterinary Dentistry and Maxillofacial Surgery

1.4. Axial Computed Tomography in Veterinary Dentistry and Maxillofacial Surgery
- 1.4.1. Introduction. Definitions. Apparatus
- 1.4.2. Uses and Applications in Veterinary Dentistry

1.5. Magnetic Resonance Imaging Applied to Veterinary Dentistry
- 1.5.1. Introduction Definitions Apparatus
- 1.5.2. Uses and Applications in Veterinary Dentistry

1.6. Scintigraphy in Veterinary Dentistry
- 1.6.1. Introduction Principles and Definitions
- 1.6.2. Uses and Applications in Veterinary Dentistry



1.7. Imaging Assessment and Procedures Prior to Treatment and in Diagnostic Dentistry
- 1.7.1. Odontogram and X-Ray Study of the Patient
- 1.7.2. Endodontic Pre-Assessment
- 1.7.3. Orthodontics Pre-Assessment
- 1.7.4. Pre-Evaluation in Implant Dentistry

1.8. Imaging Procedures During Dental Treatment
- 1.8.1. Uses During Exodontic Treatment
- 1.8.2. Uses During Endodontic Treatment
- 1.8.3. Uses During Implant Treatment

1.9. Imaging Procedures after Treatment and at Dental Check-ups
- 1.9.1. Uses in Exodontics
- 1.9.2. Uses in Endodontics
- 1.9.3. Uses in Implantology

1.10. Complementary to Diagnostic Imaging for a Definitive Diagnosis. Pathological Imaging in Veterinary Dentistry
- 1.10.1. Cytology in the Oral Cavity
- 1.10.2. Biopsy in the Oral Cavity
- 1.10.3. Cultures, PCR and More
- 1.10.4. Clinical Imaging in Small Animal Veterinary Dentistry

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

05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

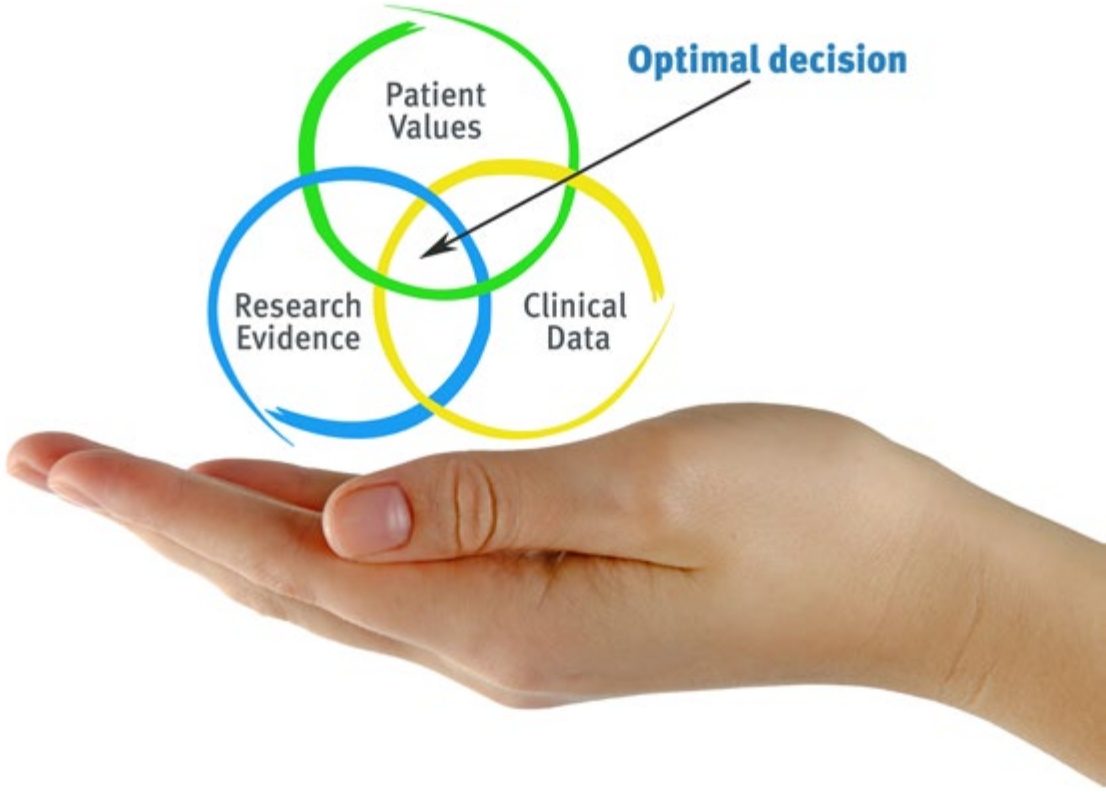
This teaching system is used in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.

Discover Re-learning, 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 we use the Case Method

In a given clinical situation, what would you do? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you can 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 potential or because of its uniqueness or rarity. It is essential that the case be based on current professional life, trying to recreate the real conditions in the Veterinarian'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:

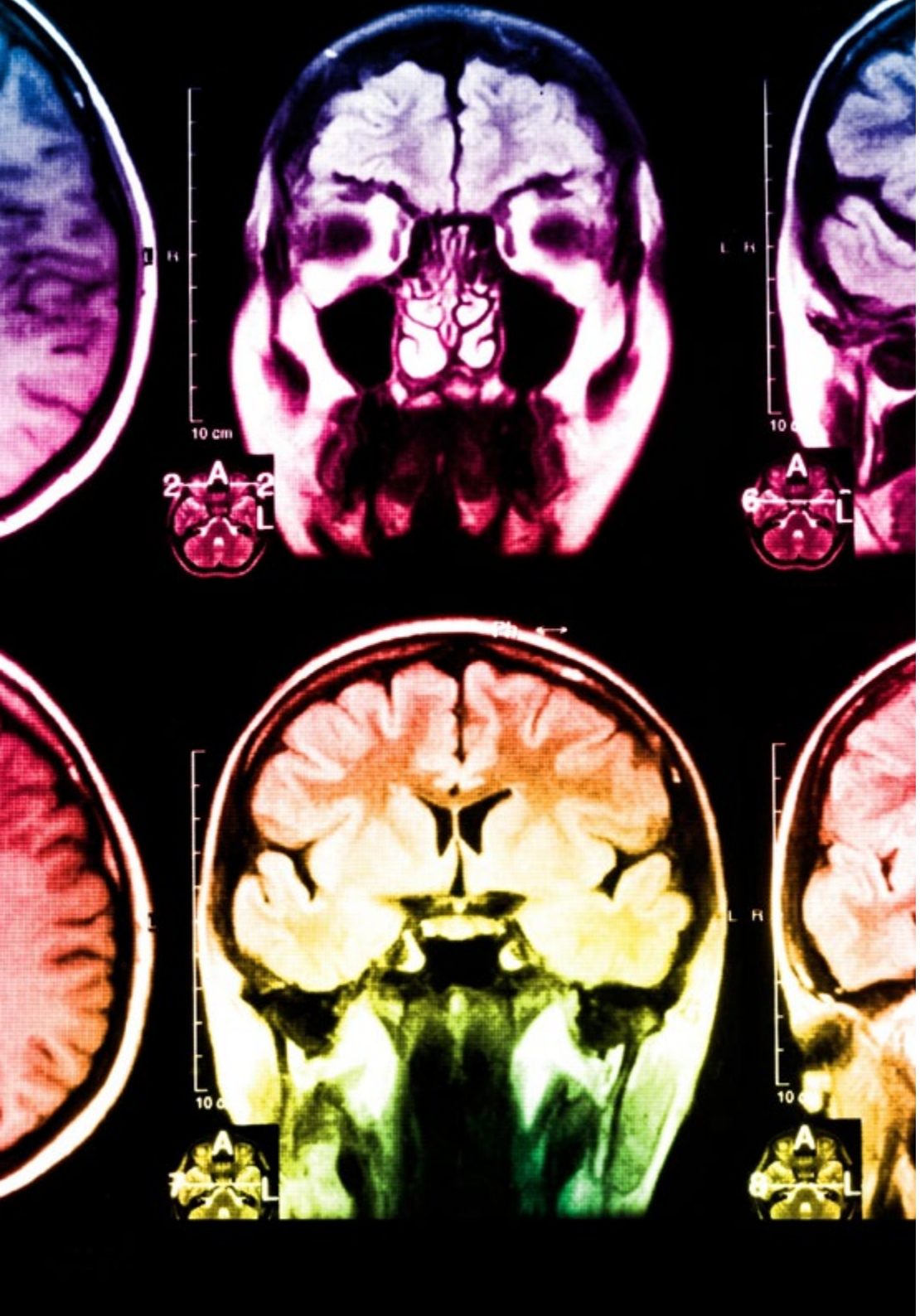
1. Veterinarians who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity through exercises to evaluate real situations and the application of knowledge.
2. The learning process has a clear focus on practical skills that allow the student to 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. The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.

Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our University 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, which represent a real revolution with respect to simply studying and analyzing cases.

Veterinarians will learn through real cases and by resolving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 65,000 veterinarians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 to success.

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

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

In this program you will have access to the best educational material, prepared with you in mind:

Study Material

All the teaching materials are specifically created for the course, by specialists who teach on the course, so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Latest Techniques and Procedures on Video

We bring you closer to the latest Techniques, to the latest Educational Advances, to the forefront of current Veterinary Techniques and Procedures. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.

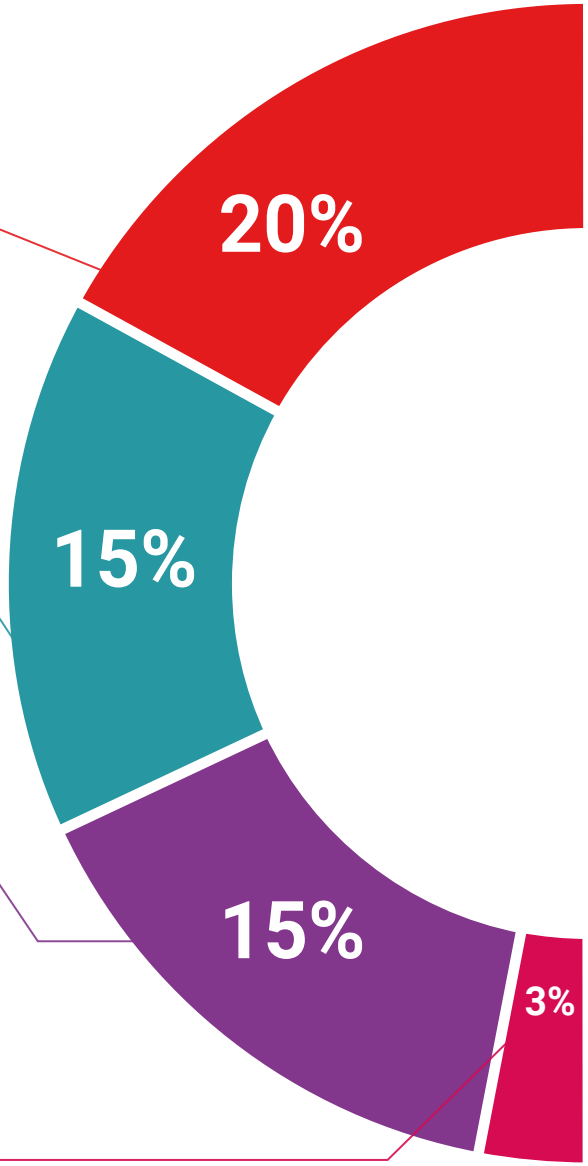
Interactive Summaries

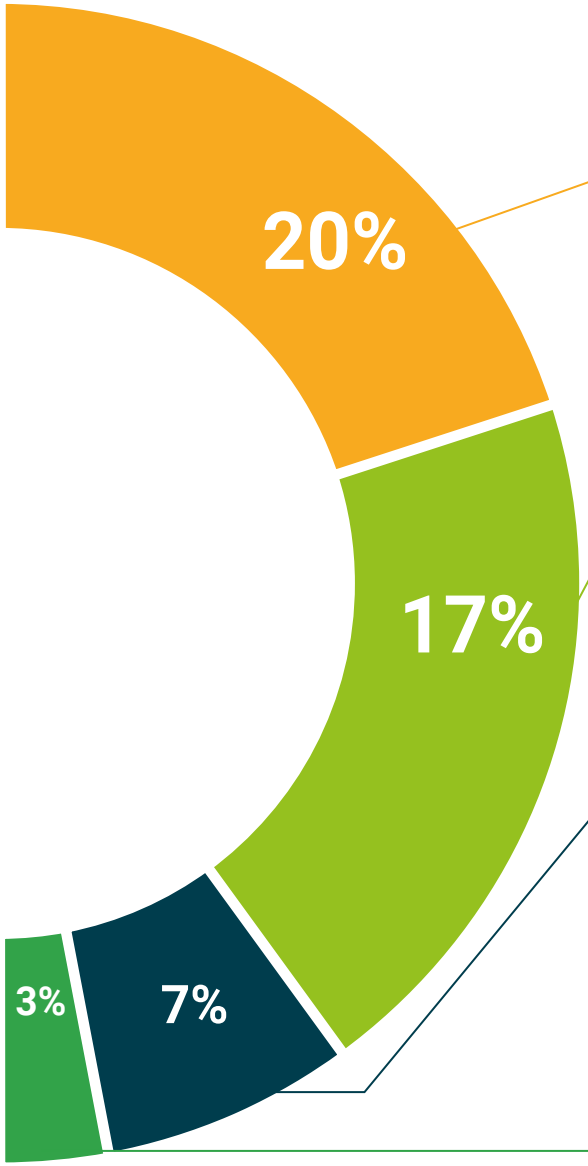
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Re-Testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our difficult future decisions.

Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.

06

Certificate

The Postgraduate Certificate in Diagnostic Imaging in Veterinary Dentistry guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Diagnostic Imaging in Veterinary Dentistry** contains the most complete and up-to-date scientific program on the market.

After passing the evaluations, the student will receive their corresponding **Postgraduate Certificate certificate** issued by**TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Certificate in Diagnostic Imaging in Veterinary Dentistry**

ECTS: **6**

Official Number of Hours: **150 hours.**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Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Diagnostic Imaging in Veterinary Dentistry

This is a qualification awarded by this University, with 6 ECTS credits and equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

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 stamped with a Hague Apostille, TECH EDUCATION will make the necessary arrangements at an additional cost.

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