



Postgraduate Diploma Detecting Disease in Avian Patients

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/pk/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-detecting-disease-avian-patients

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The Postgraduate Diploma in Detecting Disease in Avian Patients has been designed by professionals with years of experience and extensive training in the field, who have decided to contribute all their knowledge to complement the training of other professionals. Students will thus notice an improvement both in their professionalism and in the number of specialized centers that successfully treat avian patients as a result.

This academic program emphasizes the importance of examining the evidence from scientific research, applied to veterinary practice in birds, since clinical examination and anamnesis often provide little diagnostic data. Unfortunately, treatments are administered before sufficient evidence has been collected to reach a proper diagnosos, often because the symptoms worsen or the owner has a limited budget. That is why this new and updated Postgraduate Diploma focuses the coursework on establishing diagnoses based on scientific evidence while optimizing the economic resources and the time spent to find early treatment.

When a bird comes to a clinic, veterinarians must perform a series of tests according to the symptoms present. One of the mandatory guidelines is the routine coprological analysis, but, depending on each case, veterinarians will also have to perform radiographies, ultrasound scans, analysis or endoscopies, for example, in order to reach the most accurate diagnoses. Like other animals, birds are susceptible to a wide variety of diseases. This program focuses on the different diseases that can affect avian patients, giving veterinarians the keys to treat them properly.

In short, this training provides students with specific tools and skills to successfully develop their professional activity in the wide field of avian medicine and surgery. It addresses key competencies such as knowledge of the reality and daily practice of veterinary professionals, develops responsibility in the monitoring and supervision of their work, as well as communication skills within the essential teamwork.

As it is an online Postgraduate Diploma, students are not constrained by fixed timetables or the need to commute to a physical location, but can access the contents at any time of the day, balancing their work or personal life with their academic life.

This **Postgraduate Diploma in Detecting Disease in Avian Patients** contains the most complete and up to date academic program on the market. The most important features of the program include:

- Practical cases presented by experts in avian medicine
- The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Latest developents in avian patient diseases
- Practical exercises where the self assessment process can be carried out to improve learning
- * Special emphasis on innovative methodologies in avian medicine
- 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



Do not miss the opportunity to study this Postgraduate Diploma with us. It's the perfect opportunity to advance your career"



This Postgraduate Diploma is the best investment you can make when choosing a refresher program to expand your existing knowledge of the subject matter"

Its teaching staff includes professionals from the veterinary field, who bring the experience of their work to this training, as well as recognised specialists from leading societies and prestigious universities.

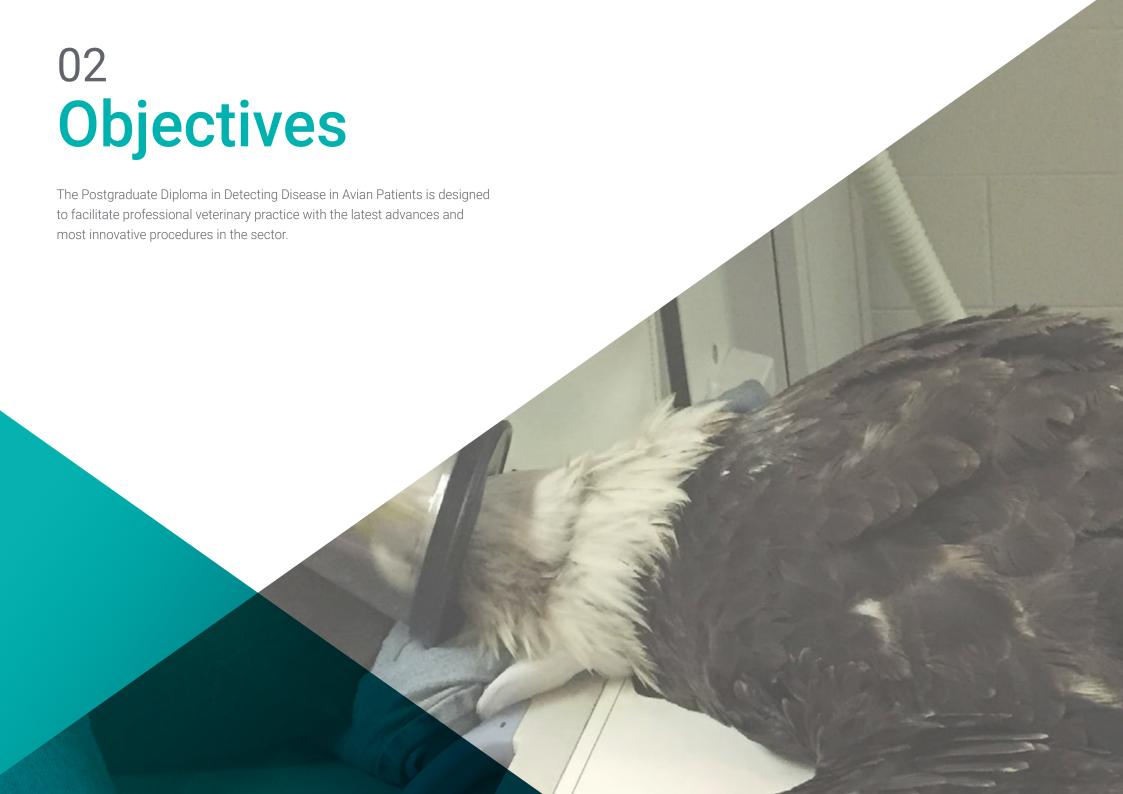
The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

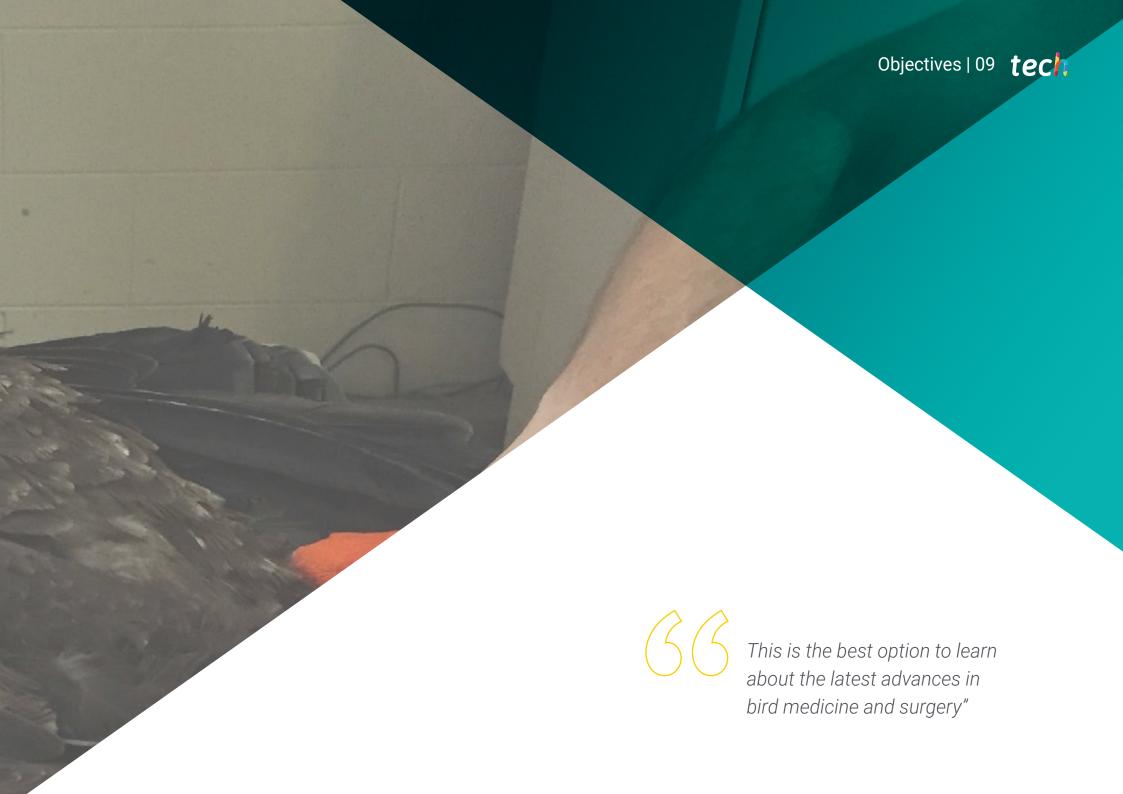
This program is designed around Problem Based Learning, whereby the specialist must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative, interactive video system created by renowned and experienced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

This training comes with the best didactic material, providing you with a contextual approach that will facilitate your learning.

This 100% online Postgraduate Diploma will allow you to balance your studies with your professional work while expanding your knowledge in the field.







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General Objectives

- Compile the most commonly used diagnostic techniques: radiology, endoscopy and ultrasound
- Develop specialized knowledge in all laboratory diagnostic tests
- Establish the protocols to interrupt biochemical analysis and proteinograms
- Demonstrate the correct necropsy technique in avian patients
- Generate protocols for coprology in birds
- Examine radiology techniques in avian patients
- Anticipate diagnostic difficulties in ultrasound in avian patients
- Propose endoscopy as the diagnostic technique of choice
- Analyze the main infectious pathologies in birds: Viral, bacterial, mycoplasmic, fungal and parasitic
- Develop specialized knowledge of non-infectious pathologies: genetic, metabolic-endocrine, anatomical alterations, physical-chemical imbalances and nutritional deficiencies
- Define soft tissue pathologies
- Specify treatments and prevention strategies
- Develop specialized knowledge of diseases in birds according to cause, epizootiology and physiopathogenesis
- Determine the close relationship between humans and wild birds
- Identify the routes of disease transmission
- Analyze the most frequent questions that arise in field situations



Specific Objectives

Module 1. Laboratory Tests

- Analyze diagnostic evidence, information gathering methods, sample preparation for referral and transport purposes to anatomic pathology laboratories
- Examine hematology in birds with the different morphological changes they present
- Identify the results of biochemical analyses in birds
- Develop the latest cytological techniques
- Demonstrate the correct technique for sending samples to anatomic pathology services
- Examine the external and internal lesions that birds may present in the postmortem technique and their diagnostic interpretation
- Obtain the necessary samples from the postmortem examination for study by histopathology, microbiology and polymerase chain reaction (PCR)

Module 2. Diagnostic Imaging Techniques

- Specify the sedation and anesthesia techniques necessary to perform diagnostic imaging techniques
- Study existing radiology equipment and diagnostic options in birds
- Develop management techniques for proper patient positioning, including the most commonly used projections in daily clinical practice
- Analyze the anatomical references in radiography, ultrasound and endoscopy to reach reliable diagnoses
- Justify why a specific type of ultrasound probe is used in avian patients
- Analyze the endoscopy techniques and applications in birds
- Achieve the maximum knowledge in other really important diagnostic techniques such as routine coprological analysis



Module 3. Management Related Pathologies

- Identify symptoms to be able to detect them in time and act as soon as possible
- Examine the main pathologies derived caused by incorrect handling to avoid them and even prevent death
- Analyze the most frequent emergencies derived from incorrect handling, such as lead poisoning and capture myopathy
- Specify oral cavity disorders and their most appropriate treatments.
- Completely and successfully deal with all the pathologies affecting the crop, the proventriculus and the ventriculus
- Delve deeper into all the most common pathologies affecting the distal part of the intestine
- Analyze liver disorders due to external causes, as well as the typical pathologies they present
- Develop specialized knowledge of the great avian unknown: The endocrine system, analyzing each of the endocrine glands in birds and their physiopathogenesis

Module 4. Avian Patient Diseases

- Identify the cause of the disease through causal agents
- Develop specialized knowledge of the most common diseases in wild birds
- Make the best use of a list of problems, together with their differential diagnoses to properly design work plans
- Develop the most important viral diseases in wild bird pathologies, understanding that they are the most serious
- Diagnose diseases caused by bacteria, since they are mostly linked to respiratory infections, blood infections, intestinal infections or a combination of any of them
- Analyze parasitic diseases, their symptomatology and the most updated treatments





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Management



Ms. Trigo García, María Soledad

- Veterinarian in charge of the Internal Medicine and Exotic Animal Surgery Service at the Clinical Veterinary Hospital
 of the Alfonso X El Sabio University in Madrid
- Degree in Veterinary Medicine from the Alfonso X el Sabio University (2012)
- Postgraduate degree in General Practitioner Certificate Programme in Exotic Animals, Improve International
- Postgraduate degree in Food Safety from the Complutense University of Madrid
- Veterinary consultant at the José Peña Wildlife Center, and various veterinary clinics in Madric
- Director of the Exotic Animal Service at the Prado BOADILLA veterinarian center

Professors

Dr. Beltrán, Javier

- Clinical Veterinarian at Privet Veterinary Hospital (2015-Present)
- Degree in Veterinary Medicine, ULE University
- Master's Degree in Medicine and Surgery
- Exotic Animals Forvetex
- Advanced Master's Degree in Exotic Animal Medicine and Surgery Forvetex
- Diploma in Herpetology, UCM
- National and International University Lecturer Management and Clinical Practice:
 Birds and Reptiles University of León, 2017

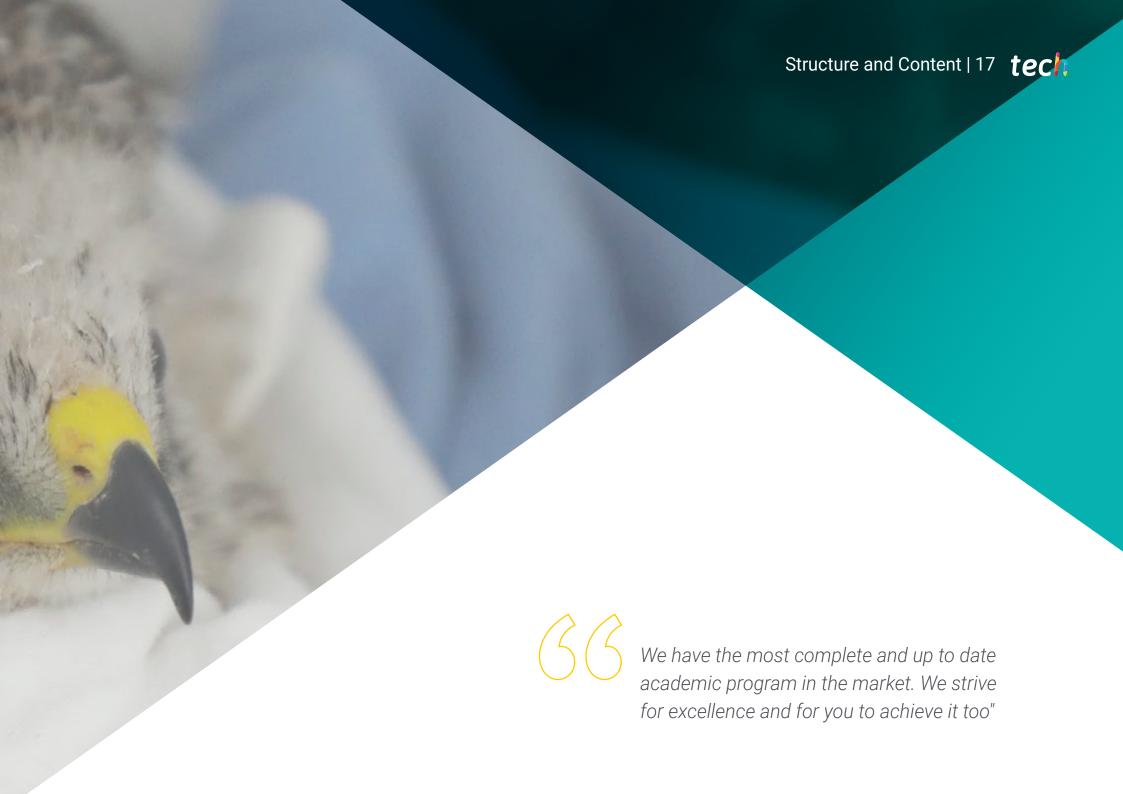
Dr. García Hernando, Javier

- Veterinarian at Internal Medicine for Exotic Animals at Privet Veterinary Hospital 2014
 present
- Degree in Veterinary Medicine from the Alfonso X el Sabio University (UAX)
- Advanced Master's Degree in Exotic Animal Medicine and Surgery at LianaBlue (Milan)
- Postgraduate Certificate in Herpetology, Complutense University of Madrid (UCM)

Dr. Melián Melián, Ayose

- Actions for the development of the Canary Islands wildlife health surveillance network Territorial and environmental planning and management, Gesplan July 2020 - present
- Technical support in the preparation of reports for the implementation of actions aimed at minimizing unnatural mortality of wildlife in the Canary Islands Territorial and environmental planning and management, Gesplan, from June to December, 2019
- Postgraduate Degree in Exotic Animal Clinics, GPcert (ExAP), European School of Veterinary Postgraduate Studies(ESVPS) 2017
- Doctorate Level in Veterinary Medicine, University of Las Palmas de Gran Canaria with a unanimous Cum Laude distinction 2016
- Guest lecturer in practical teaching for the compulsory course Marine Mammal Health and Fish Pathology II, academic year 2016- 2017 (20 hours)
- Guest professor in practical teaching for the compulsory course Marine Mammal Health and Fish Pathology II, academic year 2015-2016 (20 hours)





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1.3.2.9.

1.3.2.10.

Phosphorus

Cholesterol

Module 1. Laboratory Tests 1.1. Clinical and Diagnostic Techniques: General Principles Diagnostic Evidence 1.1.1. Accurate Diagnoses 1.1.2. Considerations for Sample Preparation 1.1.3. Sample Transport and Processing Hematology: An Essential Tool 1.2.1. Cell Morphology 1.2.1.1. The Red Series in Blood 1.2.1.2. The White Series in Blood 1.2.2. Morphological Changes in Blood Cells Degranulation 1.2.2.1. 1.2.2.2. Immaturity 1.2.2.3. Toxicity 1.2.2.4. Reactivity 1.2.3. Factors to Consider in Hematology 1.2.4. Hematology Protocols in Birds Erythrocyte Count 1.2.4.1. 1.2.4.2. Hemoglobin Estimation 1.2.4.3. Hematocrit Estimation 1.2.4.4. Leukocyte Count 1.2.4.5. Thrombocyte Count Fibrinogen Estimation 1.2.4.6. Biochemical Analysis in Birds 1.3.1. Biochemical Reference Ranges 1.3.2. Most Used Profiles 1.3.2.1. Total Protein: Increase and Decrease 1.3.2.2. Glucose: Increase and Decrease 1.3.2.3. Uric Acid, Urea and Creatinine 1.3.2.4. Lactate Dehydrogenase (LDH) 1.3.2.5. Serum Glutamic-Oxaloacetic Transaminase (SGOT) 1.3.2.6. Bile Acids Creatine-Phosphokinase (CPK): Muscle or Heart Failure 1.3.2.7. 1.3.2.8. Calcium: Hypercalcemia Hypocalcemia

1.3.3.	Age Related	Biochemical Changes	
	1.3.3.1.	Proteinogram as a Diagnostic Tool	
	1.3.3.2.	The Albumin	
	1.3.3.3.	Alpha-1: Acute Disease Phase Indicato	
	1.3.3.4.	Alpha-2: Acute Disease Phase Proteins	
	1.3.3.5.	The Beta Fraction	
	1.3.3.6.	The Gamma Fraction	
Urinalys	sis: Suspecte	d Nephropathy	
1.4.1.	Anatomo-pl	nysiological Recap of the Urinary System	
1.4.2.	Urine Collec	ction Techniques in Birds	
1.4.3.	Urinalysis		
1.4.4.	Urinalysis P	arameters	
Fundamental Cytological Techniques: Cell Study			
1.5.1.	Skin and Plu	umage Scrapings	
	1.5.1.1.	How to Perform Superficial Scrapings	
	1.5.1.2.	How to Perform Deep Scrapings	
1.5.2.	Biopsy Colle	ection	
	1.5.2.1.	Different Application Techniques	
	1.5.2.2.	Skin Biopsies	
	1.5.2.3.	Skeletal Injury Biopsies	
	1.5.2.4.	Small Biopsies Organs and Masses	
	1.5.2.5.	Chronic Injury Biopsies	
	1.5.2.6.	Biopsies of Small Lesions and Masses	
1.5.3.	Cytology: Fu	unctions	
	1.5.3.1.	Sample Collection and Processing	
	1.5.3.2. Key	Points Cytologic Interpretations	

1.4.

1.5.

1.6.	Advanc	ed Cytologic	c Techniques				
	1.6.1.	Aspiration					
		1.6.1.1.	Complementary Tests				
		1.6.1.2.	Aspiration Methods				
	1.6.2.	Microbiolo	Microbiological Swabs Collection				
		1.6.2.1.	Upper Respiratory Routes				
		1.6.2.2.	Lower Gastrointestinal Tract				
	1.6.3.	Washing T	echnique				
		1.6.3.1.	Crop Washing				
		1.6.3.2.	Air Sac Washing				
1.7.	Prepari	ng for a Nec	ropsy				
	1.7.1.	Fundamen	ntal Aspects				
		1.7.1.1.	Necropsies				
		1.7.1.2.	The Importance of Anamneses and Patient Medical Histories				
	1.7.2.	Necessary Equipment: Instruments					
	1.7.3.	Selecting Tissues in Necropsy Cases					
	1.7.4.	Samples Preservation for Diagnostic Studies					
	1.7.5.	Records: Ir	njuries and Findings				
1.8.	Externa	al Patient Eva	aluation in Postmortem Examinations				
	1.8.1.	Skin and Appendages: Evidence of Trauma					
	1.8.2.	The Skeletal System					
	1.8.3.	The Sensory System					
	1.8.4.	The Muscle System: Initial Examination					
1.9.	Interna	l Patient Eva	luation in Postmortem Examinations				
	1.9.1.	The Cardiorespiratory and Cardiovascular Systems					
	1.9.2.						
	1.9.3.	The Liver					
	1.9.4.	The Digestive system					
	1.9.5.	Urinary Sys	stem Assessment				
	1.9.6.	Reproduct	ive System Analysis				
		1.9.6.1. Ne	cropsy in Females				
		1.9.6.2. Ne	ecropsy in Males				
	1.9.7.	Necropsy I	Evaluation of the Nervous System				
	1.9.8.	Examination Conclusion					

1.10.1.	Histopatholo	ogical Examination of Collected Samples
	1.10.1.1.	Sample Collection
1.10.2.	Microbiologi	cal Analysis
	1.10.2.1.	Swabbing Technique
1.10.3.	Polymerase	Chain Reaction (PCR)
	1.10.3.1.	Infectious Laryngotracheitis
	1.10.3.2.	Infectious Bronchitis
	1.10.3.3.	Poxvirus
	1.10.3.4.	Mycoplasma Gallisepticum, Mycoplasma Synoviae
	1.10.3.5.	Other Diseases

Module 2. Diagnostic Imaging Techniques

2.1. When to Anesthetize Birds for Diagnostic Techniques?

1.10. Diagnostic Procedures for the Necropsy Technique

- 2.1.1. Volatile Anesthesia
- 2.1.2. Injectable Anesthesia
- 2.1.2. Anesthesia in Special Conditions
- 2.2. Necessary Radiology Equipment
 - 2.2.1. General Considerations
 - 2.2.2. The X-Ray Unit
 - 2.2.3. Screens. Chassis and Foils
- 2.3. The Patient: Restraining and Positioning
 - 2.3.1. Laterolateral Projection
 - 2.3.2. Ventrodorsal Projection
 - 2.3.3. Craniocaudal Projection
 - 2.3.4. Wing Projection
 - 2.3.5. Caudoplantar Projection
- 2.4. Types of X-Rays: Contrast Radiography Studies
 - 2.4.1. Conventional Radiography
 - 2.4.2. Gastrointestinal Contrast Studies
 - 2.4.3. Respiratory Contrast Studies
 - 2.4.5. Urography
 - 2.4.6. Myelography

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2.10.2.2.

Bacteriology

2.5.	Radiolo	gic Interpreta	tions
	2.5.1.	Anatomy Ap	plied to Radiography
	2.5.2.	Abnormal Ra	adiographic Findings the Respiratory System
	2.5.3.	Abnormal Ra	adiographic Findings the Digestive System
	2.5.4.	Abnormal Ra	adiographic Findings the Skeletal System
2.6.	Fundan	nental Aspect	s of Avian Ultrasound
	2.6.1.	The Comple	te Ultrasound Diagnosis
		2.6.1.1.	Lineal Convex, Microconvex and Phased Array Probes
	2.6.2.	Ultrasound	
		2.6.2.1.	Specific Diagnostic Objectives in Birds and Limitations
	2.6.3.	Necessary T	echnical Equipment for Ultrasound
2.7.	Advanc	ed Criteria for	Avian Ultrasound
	2.7.1.	Patient Prep	aration for Ultrasound
	2.7.2.	Applied Ana	tomical Recap and Proper Patient Positioning
	2.7.3.	Ultrasound I	nterpretations
2.8.	Endosc	ору	
	2.8.1.	Endoscopy	
		2.8.1.1.	Necessary Equipment for Endoscopy
		2.8.1.2.	Rigid Endoscope
	2.8.2.	Patient Prep	aration and Positioning for Endoscopy
	2.8.3.	Clinical and	Surgical Application of Avian Ultrasound
2.9.	Avian C	ardiology: Bas	sic Fundamentals
	2.9.1.	Cardiac Syst	tem Anatomy in Birds
	2.9.2.	Clinical Exar	nination in Birds
	2.9.3.	Avian Electro	ocardiography
2.10.	Veterina	ary Clinical An	alysis in Birds
	2.10.1.	Serotyping N	Major Diseases
		2.10.1.1.	Salmonella Spp
	2.10.2.	Coprologica	
		2.10.2.1.	Parasitology



	2.10.3.	 2.3. Serology of the Most Prominent Diseases in Avian Medicine 2.10.3.1. Infectious Laryngotracheitis 2.10.3.2. Infectious Bronchitis 2.10.3.3. Newcastle Disease 			3.3.	Patholo 3.3.1. 3.3.2. 3.3.3.	Metabolic C Most Comn	from Poor Nutrition Osteopathies: Bone Lesions non Injuries Causes and Types tology and Susceptible Species	
		2.10.3.4.	Mycopl	asma Spp		3.3.4.	Diagnoses a	and Treatments	
		2.10.3.5.	Avian Ir	ıfluenza		3.3.5.	Long Bone	Deformities: Twisting and Flexing	
Mod	ا 2 مارا	/anageme	nt-Dalat	ed Pathologies			3.3.5.1.	Describing Pathology Type	
				ed i attiologies			3.3.5.2.	Clinical Signs in Birds	
3.1.		ommon Path	_				3.3.5.3.	Treatment and Prevention	
	3.1.1.	-		Cause of Mortality in Birds		3.3.6.		tions in More Distal Bones: Deformation	
		3.1.1.1.		d Species and Characteristic Symptomatology			3.3.6.1.	Slipped Tendon	
		3.1.1.2.		pathogenesis			3.3.6.2.	Angel Wing	
		3.1.1.3.		itial Diagnosis			3.3.6.3.	Curled Fingers	
		3.1.1.4.		ent and Prevention		3.3.7.		nduced Cachexia	
	3.1.2.	Lead Poiso					3.3.7.1.	Definition and Etiology: Symptoms	
		3.1.2.1.	Diagnos				3.3.7.2.	Necropsy Findings	
		3.1.2.2.	Treatm	ent: Primary, Chelating and Supportive			3.3.7.3.	Treatment and Prevention	
3.2.		ntoxications				3.3.8.	Behavioral (Osteodystrophy	
	3.2.1.	<u> </u>			3.4.	Oral Ca	Cavity Disorders		
	3.2.2.					3.4.1.	<u> </u>		
		3.2.2.1.	Treatm			3.4.2.	The Oral Ca	vity and Oropharynx: The Tongue and Salivary Glands	
		3.2.2.2.	,	Treatment			3.4.2.1.	Hypovitaminosis A	
		3.2.2.3.		ng Treatment			3.4.2.2.	Trauma	
		3.2.2.4.		tive Treatment			3.4.2.3.	Bleeding	
	3.2.3.			Poisoning in Falconiformes			3.4.2.4.	Neoplasms	
		3.2.3.1.	Clinical				3.4.2.5.	Halitosis	
		3.2.3.2.		gical Changes		3.4.3.	Infectious D	Diseases in Birds	
		3.2.3.3.	-	ogical and Pathological Considerations			3.4.3.1.	Mucosal Necrosis	
	3.2.4.	Copper Pois	soning				3.4.3.2.	Fowl Pox	
		3.2.4.1.	Diagnos	sis			3.4.3.3.	Anatidae Herpesvirus (Duck Viral Enteritis or Duck Plague)	
		3.2.4.2.	Treatm	ent			3.4.3.4.	Candidiasis (Candida Albicans Infection)	
		3.2.4.2.		Chelating Treatment					
		3.2.4.2.2	2.	Supportive Treatment					

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5.5.	Esophagus and Guilet Pathologies					
	3.5.1.	Esophagiti	s, Ingluvitis: Esophageal and/or Ingluvial Impaction			
	3.5.2.	Esophagus and/or Crop Infestation by Capillaria Contorta and Other Capillari spp				
	3.5.3.	Candidiasi	Candidiasis and Trichomoniasis			
		3.5.3.1.	Esophageal Ingluvial			
	3.5.4.	Ingluvial Pa	Ingluvial Pathologies			
		3.5.4.1.	Calculations and Stasis			
	3.5.5.	Crop Patho	plogies			
		3.5.5.1.	"Sour Crop Syndrome"			
		3.5.5.2.	Hanging Crop			
		3.5.5.3.	Content Regurgitation			
	3.5.6.	Common I	Neoplasms			
3.6.	Proventriculus Pathologies					
	3.6.1.	Proventricular Dilatation Disease in Psittaciformes				
	3.6.2.	Proventric	ular and Gizzard Impaction			
	3.6.3.	Candidiasis (Candida Albicans Infection)				
	3.6.4.	Other Pathologies				
		3.6.4.1.	Atony			
		3.6.4.2.	Hypertrophy of Unknown Etiology			
		3.6.4.3.	Proventriculitis			
		3.6.4.4.	Presence of Foreign Bodies			
3.7.	Gizzaro	d or Ventricle	Pathologies: Glandular Stomach			
	3.7.1.	Proventric	ular Dilatation Disease			
	3.7.2.	Gizzard Ulo	cerations			
	3.7.3.	Stomach Nematode Infestation				
	3.7.4.	Neoplasm	S			
	3.7.5.	Other Path	ologies			
		3.7.5.1.	Muscular Atrophy and Traumatic Ventriculitis			



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3.8.	Intestin	al Pathologies				
	3.8.1.	Malabsorption Syndrome				
	3.8.2.	Non-Specific	Enteropathies			
		3.8.2.1.	Diahrrea in Birds			
	3.8.3.	Lower Intest	inal Tract Alterations			
		3.8.3.1.	Colorectal Impactation			
		3.8.3.2.	Rectal Prolapse			
		3.8.3.2.1	. Intestinal Overexertion			
	3.8.4.	Most Comm	on Neoplasms			
	3.8.5.	The Cloaca				
		3.8.5.1.	Chloacitis: "Gonorrheal Discharge"			
		3.8.5.2.	Prolapses			
		3.8.5.3.	Most Common Neoplasms			
3.9.	Pathologies of the Liver					
	3.9.1.	Lipidosis				
		3.9.1.1.	Fatty Infiltration or Fatty Degeneration			
	3.9.2.	Hemochromatosis				
		3.9.2.1.	Iron Storage in Avian Organisms			
	3.9.3.	Visceral Gou	t			
	3.9.4.	Amilodosis				
	3.9.5.	Most Common Neoplasms				
	3.9.6.	Other Pathologies				
		3.9.6.1.	Toxic Hepatitis and Diabetes Mellitus			
3.10.	Endocri	ne Disorders				
	3.10.1.	Thyroid Glan	ids			
	3.10.2.	Parathyroid (Glands			
	3.10.3.	Adrenal Glar	nds			
	3.10.4.	Ultimobranc	hial glands			
		3.10.4.1.	Thoracic Localization			
	3.10.5.	Hypophysis:	Avian Brains			
	3.10.6.	Pancreas: Er	ndocrine and Exocrine Function			
		3.10.6.1.	Pancreatitis			
		3.10.6.2.	Acute Pancreatic Necrosis			
		3.10.6.3.	Most Common Neoplasms			

Module 4. Avian Patient Diseases

4.1. Viral D)iseases
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- 4.1.1. Viral Diseases
- 4.1.2. Newcastle Disease (Paramyxoviridae Family)
 - 4.1.2.1. Etiology
 - 4.1.2.2. Serotype Classification
 - 4.1.2.3. Clinical and Physiopathogenesis Characteristics
 - 4.1.2.4. Diagnostic and Treatment Techniques
- 4.1.3. Fowl Pox (Poxviridae Family Virus)
 - 4.1.3.1. Serotypes Detected in Birds
 - 4.1.3.2. Clinical Signs in Patients
 - 4.1.3.3. Diagnosis and Treatment
- 4.2. Other Viral Infections of Clinical Interest
 - 4.2.1. Influenza Virus in Birds (Orthomyxoviridae Family)
 - 4.2.1.1. Disease Epizootiology
 - 4.2.1.2. Clinical Signs in Birds
 - 4.2.1.3. Diagnosis
 - 4.2.1.4. Prevention and Control
 - 4.2.2. Herpesvirus Infections
 - 4.2.2.1. Etiology
 - 4.2.2.2. Marek's Disease
 - 4.2.2.2.1. Polyneuritis Paralysis
 - 4.2.2.3. Duck Plague
 - 4.2.2.3.1. Duck Viral Enteritis
 - 4.2.2.4. Avian Infectious Laryngotracheitis
 - 4.2.2.5. Herpes
 - 4.2.3. Other Viral Diseases

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4.3.	Most C	Common Bacterial Diseases in Clinics		
	4.3.1.	Pasteurellosis: Cholera		
		4.3.1.1.	History: Etiological Agent and Disease Transmission	
		4.3.1.2.	Susceptible Species and Symptoms	
		4.3.1.3.	Diagnosis	
		4.3.1.4.	Treatment Immunity	
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4.8. Performing Coprological Analysis in Birds



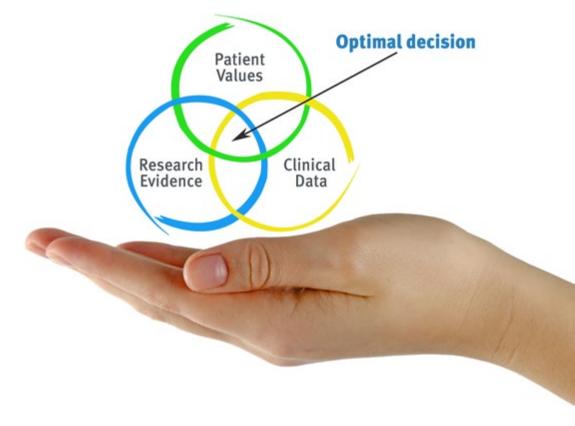


tech 28 | Methodology

At TECH we use the Case Method

What should a professional do in a given situation? 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 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, in an attempt to recreate the actual conditions in a 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 manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
- 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.** 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.



Relearning Methodology

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

This university is the first in the world to combine 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.

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.





Methodology | 31 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 more than 65,000 veterinarians have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high socio-economic profile and an average age of 43.5 years.

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 32 | 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.

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.



Latest Techniques and Procedures on Video

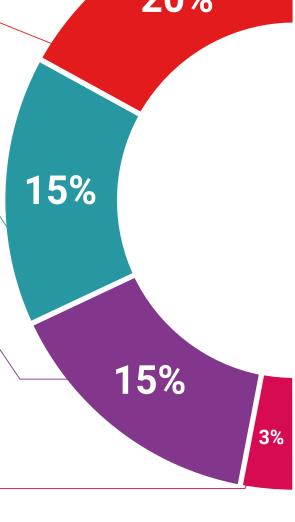
TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch 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.

Expert-Led Case Studies and Case Analysis Therefore, TECH presents real cases in which

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



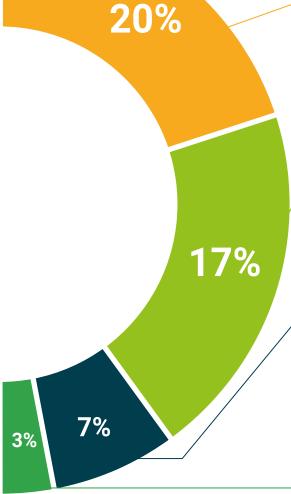
There is scientific evidence suggesting that observing third-party experts can be useful.

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.







tech 36 | Certificate

This **Postgraduate Diploma in Detecting Disease in Avian Patients** contains the most complete and up to date 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 Detecting Disease in Avian Patients Official N° of hours: 600 h.





» Exams: online

