Essentials of Veterinary Practice

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All those veterinarians who love their profession and are proud of being a veterinarian with a pledge to serve the farmers
Acknowledgement

It is our immense pleasure that this book ultimately came to light. The information received from various sources is gratefully acknowledged. The relevant reference books are cited at the end of this book to give due credits to the authors and/or publishers. In this occasion, we extend our thanks to our teachers, relatives, friends and colleagues for their inspiration and motivation to complete this work. Our sincere thanks are also due to Mr Anil Mittal, Daya Publishing House, New Delhi for accepting the manuscript and quick publishing this book. We shall be grateful for any suggestion and constructive criticism from readers regarding the text and presentation of the book so that the 2nd edition may be more informative and useful for the veterinary professionals. Observations may please be sent to the author’s e-mail address: drdebasisjana@rediffmail.com or gnilotpal@yahoo.com.

Dr. Debasis Jana
Dr. Nilotpal Ghosh
Foreword

Veterinary is primarily concerned with health care of animals, and a veterinarian is a physician of animals and a practitioner of veterinary medicine. The job of a veterinary practitioner is very daunting, keeping in view the wide range of animals, which are unable to express their suffering. Besides treating various ailments of animals, a veterinarian is the person who is entitled to ensure production of safe and hygienic animal food products including milk, meat and egg for human consumption. Another important activity of veterinary professionals is to prevent zoonotic diseases that are transmitted from animals to human beings like Bird flu, Swine flu, Rabies, Anthrax, Mad Cow Disease etc. These make the veterinary science a vast and interesting subject. The demand of veterinary professionals is on the rise mainly in view of huge livestock population vis-à-vis demand of quality animal food products.

Keeping these in view, the present book entitled ‘Essentials of Veterinary Practice’ is written by Dr. Debasis Jana and Dr. Nilotpal Ghosh, which deals with diagnosis as well as treatment of a large number of livestock diseases. All the essential subject matters are systematically presented in six sections, viz., Diagnostic section, Medicine section, Gynaecology and Obstetrics section, Surgery section, Veterinary pharmaceuticals and Miscellaneous information pertaining to veterinary practice. The veterinary drug index chapter is unique and requires a special mention. The photographs of various diseases are important assets of this book. The proforma of various certificates and list of instruments/equipment used in veterinary practice are nicely compiled. The language is very simple and lucid. This book is a good reference material as it covers a wide spectrum of topics of veterinary practice. Efforts
have been made to facilitate easy reading and help students as well as neo-vets gather important information of veterinary science in a single volume.

I am hopeful that this book will be of great use to the students as well as practitioners of veterinary medicine.

I extend my best wishes to the authors for the work they undertook to the cause of their profession.

S.K. Sanyal
Preface

The book ‘Essentials of Veterinary Practice’ is actually composed of six parts, viz., (1) Diagnostic section, (2) Medicine section, (3) Gynaecology and Obstetrics section, (4) Surgery section, (5) Veterinary pharmaceuticals, and (6) Miscellaneous information pertaining to veterinary practice. The total text is divided into 22 chapters.

This book has been compiled in the simplest and most lucid form giving emphasis to modern technologies of animal health management and veterinary therapeutics with complete information on animal diseases of varied etiology.

Most characteristic features of this book are description of clinical as well as laboratory diagnosis of animal diseases, large number of common systemic as well as infectious and/or contagious diseases and incorporation of commonly used surgical procedures in curing various diseases. Every disease has been presented in the most precise and systematic manner aiming to serve the need of animal health practitioners. The veterinary drug index chapter indicating medicines and vaccines available in the market is unique, which is presented in a very systematic manner to link up with the modern art of treatment to be utilized under Indian farms and veterinary fields.

Vast field experiences of the authors on livestock production management and treatment as a clinician as well as an academician, have been utilized to bring out this publication. Large numbers of photographs of various diseases and disease conditions for recognition of important diseases have been incorporated in this book which would be of immense help to the neo-vets and obviously to the budding veterinarians.
One thing should be kept in mind that the use of trade names in this book is solely for the purpose of providing specific information. It is not a guarantee or warranty of the products named, and does not signify that they are approved to the exclusion of others of similar/suitable composition.

WHO WILL BE BENEFITED?

This book is primarily meant for the veterinary students in India who are undergoing Internship training at the end of the 5-year integrated course (B.V. Sc. & A.H.).

It will also help the concerned teachers/demonstrators for offering this course to the veterinary students.

The book shall also be useful for the neo-vets and budding veterinarians, practicing veterinary clinicians, livestock development officers, animal health workers, Pranibandhu and progressive animal farmers in India and other tropical countries.

Dr. Debasish Jana
Dr. Nilotpal Ghosh
Contents

Acknowledgement vii
Foreword ix
Preface xi

PART – I DIAGNOSTIC SECTION

1. Clinical Diagnosis of Diseases 3
1.1 Introduction 1.2 History taking 1.3 Signs and symptoms of ill health 1.4 Clinical examination of patients 1.4.1 What to do before examining a patient? 1.4.2 Inspection of different body parts 1.4.3 Various methods of clinical examination 1.4.3.1 Recording of rectal temperature 1.4.3.2 Recording of pulse rate 1.4.3.3 Recording of respiration rate 1.4.3.4 Examination of visible mucous membrane 1.4.3.5 Examination of eyes 1.4.3.6 Palpation 1.4.3.7 Percussion 1.4.3.8 Auscultation.

2. Laboratory Diagnosis of Diseases 11
2.1 Laboratory tests 2.1.1 Examination of blood 2.1.1.1 Routine haematological examination of a blood sample 2.1.1.2 Blood smear examination 2.1.2 Faecal examination 2.1.3 Urine analysis 2.1.4 Examination of cerebrospinal fluid (CSF) 2.1.5 Examination of rumen fluid 2.1.6 Examination of skin scrapings 2.1.7 Other diagnostic aids 2.2 Post mortem examination 2.3 Collection, preservation and transportation of samples for laboratory diagnosis 2.3.1 Histopathology 2.3.2 Haematology 2.3.3 Serology 2.3.4 Microbiology 2.3.5 Parasitology 2.4 Important bacterial and viral diseases of livestock and poultry and clinical
samples/specimens for laboratory diagnosis 2.5 Transport media for bacteriological specimen 2.6 Transport media for virological specimen 2.7 Tips for diagnosing foreign body in reticulum 2.8 Fine needle aspiration cytology 2.9 Biological tests for metabolic disorders

PART – II MEDICINE SECTION

3. Classification of Animal Diseases

3.1 Health and Disease 3.2 Classification of diseases

4. Systemic Diseases and their Treatment

4.1 Diseases of alimentary system 4.1.1 Stomatitis 4.1.2 Pharyngitis 4.1.3 Parotitis 4.1.4 Choke 4.1.5 Colic 4.1.6 Rumen dysfunction 4.1.7 Ruminal acidosis/Lact acidosis/Grain poisoning 4.1.8 Simple indigestion 4.1.9 Bloat 4.1.10 Vagus indigestion 4.1.11 Ruminal fermentative disorders in ruminants 4.1.12 Diseases of liver 4.1.13 Jaundice or Icterus 4.1.14 Hepatitis 4.2 Diseases of respiratory system 4.2.1 Rhinitis 4.2.2 Laryngitis, Tracheitis and Bronchitis 4.2.3 Pulmonary emphysema 4.2.4 Pulmonary oedema 4.2.5 Pneumonia 4.2.6 Epistaxis 4.2.7 Snoring disease 4.3 Diseases of reproductive system 4.3.1 True venereal diseases (transmitting through sexual contact) 4.3.2 Specific infections of reproductive system 4.3.3 Inflammation of specific organs caused by various agents 4.3.4 Trichomoniasis 4.3.5 Foetal maceration 4.4.1 Anuria 4.4.2 Oliguria 4.4.3 Polyuria 4.4.4 Haemoglobinuria 4.4.5 Haematuria (Red urine) 4.4.6 Nephritis 4.4.7 Pyelonephritis 4.4.8 Cystitis 4.4.9 Urinary incontinence 4.4.10 Urethral rupture (Urolithiasis) 4.4.11 Balanoposthitis 4.5 Diseases of cardiovascular system 4.5.1 Pericarditis 4.5.2 Foreign body syndromes 4.5.3 Congestive cardiac failure 4.5.4 Peripheral circulatory failure (PCF) 4.5.5 Haemorrhage 4.5.6 Oedema 4.5.7 Diseases of nervous system 4.6.1 Incoordination of gait 4.6.2 Polyraditis 4.6.3 Motor disturbances 4.6.4 Epilepsy/Epileptic seizure 4.6.5 Brain trauma 4.7 Diseases of locomotor system and muscles 4.7.1 Sprains 4.7.2 Myositis 4.7.3 Myopathy 4.7.4 Arthritis 4.7.5 Radial nerve paralysis 4.7.6 Rickets (Infantile tetany) 4.7.7 Osteomalacia/Adult rickets 4.8 Diseases of the eye 4.8.1 Examination of the eye 4.8.2 Conjunctivitis 4.8.3 Keratitis and Kerato conjunctivitis 4.8.4 Corneal opacities 4.8.5 Otitis 4.9 Diseases of skin 4.9.1 Urticaria 4.9.2 Eczematous dermatoses 4.9.3 Pyoderma 4.9.4 Photosensitization 4.9.5 Ring worm 4.9.6 Para keratosis 4.9.7 Hypodermatosis 4.9.8 Mange.

5. Metabolic Diseases: Their Treatment and Control

5.1 Introduction 5.2 Impact of metabolic disorders and nutritional disharmony in animal production 5.3 How do the metabolic diseases precipitate? 5.4. Important metabolic diseases of livestock 5.4.1 Parturient paresis (Milk Fever) 5.4.2 Bovine Ketosis 5.4.3 Downers Syndrome 5.4.4 Hypomagnesaemia 5.4.5 Post parturient Haemoglobinuria 5.4.6 Fatty cow syndrome in cow–Lipid mobilization syndrome
6. Common Poisonings and their Management 139

6.1 Introduction 6.2 Common symptoms of poisoning 6.3 General principles of treatment of poisoning 6.4 Common poisonings and their management 6.4.1 Chlorinated hydrocarbon poisoning 6.4.2 Organophosphorus compound poisoning 6.4.3 Lead poisoning 6.4.4 Nitrates and nitrites poisoning 6.4.5 Mercury poisoning 6.4.6 Arsenic poisoning 6.4.7 Urea poisoning 6.4.8 Cyanide poisoning 6.4.9 Lantana camera poisoning 6.4.10 Plant toxicity 6.5 Materials to be sent for chemical analysis in poisoning cases

7. Bacterial Diseases: Their Treatment and Control 147

7.1 Introduction 7.2 Anthrax 7.3 Black Quarter 7.4 Haemorrhagic Septicaemia 7.5 Brucellosis 7.6 Tuberculosis (TB) 7.7 Tetanus 7.8 Actinobacillosis 7.9 Actinomycosis (Lumpy Jaw) 7.10 Botulism 7.11 Colibacillosis 7.12 Contagious Bovine Pleuro Pneumonia (CBPP) 7.13 Contagious Caprine Pleuro Pneumonia (CCPP) 7.14 Enterotoxaemia 7.15 Listeriosis 7.16 Leptospirosis 7.17 Paratuberculosis

8. Viral Diseases: Their Treatment and Control 158

8.1 Introduction 8.2 Foot and Mouth Disease 8.3 Rinderpest (RP) 8.4 Bovine Ephemeral Fever 8.5 Blue Tongue 8.6 Pox 8.7 Peste Des Petits Ruminants (PPR) 8.8 Contagious Ecthyma 8.9 Cutaneous Papillomatosis 8.10 Hydrophobia (Rabies) 8.11 Hog Cholera (Classical Swine Fever)

9. Protozoan Diseases: Their Treatment and Control 173

9.1 Introduction 9.2 Anaplasmosis 9.3 Babesiosis (Piroplasmosis) 9.4 Trypanosomiasis (Surra) 9.5 Coccidiosis 9.6 Drugs acting against haemoproteozoon parasites 9.6.1 Diminazine diacetate 9.6.2 Quinapyramine sulphate/chloride

10. Parasitic Diseases: Their Treatment and Control 179

10.1 Introduction 10.2 Internal parasites: the worms 10.2.1 Nematodes (round worms) – Ascarids, Gastro-intestinal worms, Lung worm, Nodular worm, Heart worm, Hook worm, 10.2.2 Trematodes (Flukes) – Fascioliasis and Distomiasis, Paramphistomiasis, Amphistomes, Nasal schistosomiasis 10.2.3 Cestodes (Tapeworms) 10.3 Deworming schedule of animals 10.3.1 Deworming schedule for cattle and buffalo 10.3.2 Deworming schedule for sheep and goat 10.3.3 Deworming schedule for pig 10.3.4 Deworming schedule for dog 10.4 Ectoparasitism (diseases caused by ectoparasites) 10.4.1 Types of ectoparasites of veterinary importance 10.3.2 Medicines used for ectoparasitic control

11. Nutritional Diseases: Their Treatment and Control 193

11.1 Vitamins deficiency diseases 11.1.1 Hypovitaminosis A (Vitamin A deficiency disease) 11.1.2 Polyneuritis 11.1.3 Polyencephalomalacia 11.2 Mineral
deficiency diseases 11.2.1 Macromineral deficiency 11.2.1.1 Deficiency of calcium and phosphorus 11.2.2 Micro/trace mineral deficiency 11.2.2.1 Zinc deficiency 11.2.2.2 Copper deficiency 11.2.2.3 Iron deficiency 11.2.2.4 Iodine deficiency 11.2.2.5 Selenium deficiency 11.2.2.6 Manganese deficiency 11.2.2.7 Cobalt deficiency

12. Common Ailments and their First Aid Treatment


13. Common Control Measures Against Infectious Diseases

13.1 Tips for controlling infectious diseases of animals 13.2 Prophylactic vaccination schedule for various species of animals

PART – III GYNAECOLOGY AND OBSTETRICS SECTION

14. Reproductive Characteristics of Animals

14.1 Reproductive system of animals 14.1.1 Male reproductive system 14.1.2 Female reproductive system 14.2 Reproductive characteristics of livestock 14.3 Forecasting of date of parturition

15. Breeding Policy, Andrological Examination of Bull and Artificial Insemination

15.1 Breeding policies for cattle and buffalo in India 15.2 Andrological examination of bull 15.3 Collection, processing, cryopreservation and evaluation of semen 15.4 Reproductive biotechniques for improving fertility of dairy cattle and buffaloes 15.5 Requirements for field insemination units 15.6 Records to be maintained at the artificial insemination (AI) unit

16. Reproductive Disorders and Post Parturient Diseases: Their Treatment and Control

16.1 Reproductive disorders 16.1.1 Anoestrus 16.2 Post parturient diseases 16.2.1 Retention of placenta 16.2.2 Metritis-Pyometra 16.2.3 Prolapse of genitalia 16.2.4 Mastitis 16.2.5 Agalactia and Hypogalactia
PART – IV SURGERY SECTION

17. Elementary Veterinary Surgery

17.1 Surgical pack for various operations 17.1.1 Common surgical pack for large animal 17.1.2 Surgical pack for small animal 17.2 Suture materials 17.3 Suture technique 17.4 Suture size 17.5 Sterilization 17.6 Preparation of site for operation 17.7 Anaesthesia 17.7.1 Local anaesthetic drugs 17.7.1.1 Lignocaine HCl 17.7.1.2 Procaine HCl 17.7.1.3 Hexacynolone (Cyclaine) 17.7.1.4 Butacaine (Butyne) 17.7.2 General anaesthetic drugs 17.7.2.1 Anaesthetic gases 17.7.2.2 Anaesthetic agents 17.7.2.3 Inhalation anaesthetics 17.7.2.4 Xylazine hydrochloride 17.7.3 Tranquilizer 17.7.3.1 Chlorpromazine 17.7.3.2 Triflupromazine 17.7.3.3 Thiopentone sodium 17.7.3.4 Pentothal sodium injection 17.7.3.5 Ketamine HCl Injection/Ketamil Injection (Helpro Health) 17.7.4 Medicines for sedation, analgesia and restraining animals 17.7.5 Epidural anaesthesia 17.8 Restraint of animals for surgical procedures 17.9 Common surgical cases 17.9.1 Castration (Vasectomy) 17.9.2 Atresia ani 17.9.3 String hall (Medial patellar dysmotony) 17.9.4 Amputation of tail 17.9.5 Surgical management of Ranula 17.9.6 Caesarean operation 17.9.7 Hernia 17.9.8 Surgical management of Urolithiasis/Urinary calculi 17.9.9 Penile retraction (Paraphimosis) 17.9.10 Common surgical conditions of horns 17.9.11 Euthanasia

PART – V VETERINARY PHARMACEUTICALS

18. Veterinary Pharmacy

18.1 Common terminologies 18.2 Pharmacological preparation 18.3 How drug acts? 18.4 General idea about prescription 18.5 Latin phrases and abbreviations used in prescription writing 18.6 Weights and measures in prescription 18.7 Commonly used drugs(chemicals/pure herbal products) in veterinary first aid 18.8 Common topical preparations 18.8.1 Ointment 18.8.2 Paste 18.8.3 Lotion 18.8.4 Solution for topical use 18.8.5 Antiseptic 18.8.6 Liniment 18.8.7 Dressing oil 18.8.8 Carron oil 18.8.9 Astringent powder 18.9 Drug delivery systems/methods of administration of medicines 18.9.1 Common routes of drug administration 18.9.2 Various enteral dose forms 18.9.3 Oral route of drug administration 18.9.4 Other routes of drug administration

19. Veterinary Drug Index

19.1 Therapeutic/Pharmacological list of drugs/medicines used in veterinary practice 19.2 Antibiotics 19.2.1 Ampicillin 19.2.2 Amoxycillin 19.2.3 Oxytetracycline 19.2.4 Ampicillin + Cloxacillin combipack 19.2.5 Enrofloxacin 19.2.6 Ciprofloxacin 19.2.7 Cephalexin 19.2.8 Pefloxacin 19.2.9 Ceftriaxone 19.2.10 Cefotiofur 19.2.11 Penicillin 19.2.12 Streptopenicillin 19.2.13 Cefotaxime sodium 19.2.14 Chloramphenicol 19.2.15 Neomycin 19.2.16 Amoxycillin + Cloxacillin 19.2.17 Gentamicin 19.2.18 Amikacin 19.2.19 Lincomycin 19.3 Sulphonamides 19.3.1 Sulphadimidin 19.3.2 Gut acting Sulphonamides 19.3.3
Oral Sulphonamide bolus 19.3.4 Sulphonamide combination (Co-Trimoxazole) 19.3.5 Oral Broad Spectrum Antidiarrhoeals for Calf, Sheep and Goat 19.3.6 Herbal Antidiarrhoeals 19.4 Electrolytes/Oral Rehydration Solution (ORS) 19.5 Anthelmintics (Dewormers) 19.5.1 Albendazole 19.5.2 Fenbendazole 19.5.3 Mebendazole 19.5.4 Oxfendazole 19.5.5 Levamisole 19.5.6 Clopantel (Extendoparasiticidal) 19.5.7 Ivermectin oral 19.5.8 Parenteral Ivermectin (A friendly dewormer of animals) – Ivermectin Injection (1 per cent w/v) 19.5.9 Triclabendazole (Flukicide) 19.5.10 Oxytocanide (Flukicide) 19.5.11 Dichlorophen 19.5.12 Piperazine Hexahydrate solution 19.5.13 Levamisole (Parenteral preparation as Immunomodulator and broad spectrum worm eradicator) 19.5.14 Combined Broad Spectrum Dewormer for the treatment of mixed worm infestation/Dual Power Anthelmintic 19.5.15 Ayurvedic Anthelmintic 19.6 Non Steroidal Anti-inflammatory and Analgesic Drugs (NSAID) 19.6.1 Paracetamol 19.6.2 Meloxicam 19.6.3 Meloxicam with Paracetamol Combination (Injectable Preparations) 19.6.4 Ketoprofen (Safe and Effective NSAID) 19.6.5 Nimesulide Injection 19.6.6 Analgin 19.5.7 Meloxicam Group (with or without Paracetamol) 19.6.7 Nimesulide + Paracetamol Combination (NSAID) 19.6.8 Phenybutazoine and Analgin Combination 19.7 Antispasmodic Drug (for Colic) 19.7.1 Dicyclomine HCl 19.7.2 Valthamate Bromide 19.8 Corticosteroids 19.8.1 Prednisolone 19.8.2 Dexamethasone 19.8.3 Triamcenolone 19.9 Parenteral Antihistaminic 19.10 Haemostat 19.10.1 Ethamsylate/Adenochrome Monosemicarbazone 19.11 Parenteral Vitamins and Minerals 19.11.1 Vitamin-A 19.11.2 Vitamin-AD 19.11.3 Injectable Vitamin B-Complex 19.11.4 Neurotropic B-Vitamins (B1, B6, B12) 19.11.5 Vitamin-E Injectable Preparation 19.11.6 Liver Extract with Vitamin B-Complex Injection 19.11.7 Power Packed Injection of Calcium, Vitamin D3 and B12 (Injectable Calcium for IM use) 19.11.7.1 Preparations containing Calcium Levulinate 19.11.7.2 Preparations containing Calcium Gluconolactobionate with Vitamin D3, B12 19.11.7.3 Parenteral Calcium (IV and SC use) 19.11.8 Phosphorous 19.12 Hormones for Fertility Management 19.12.1 Diethyl Stilbestrol 19.12.2 Hydroxy Progesterone 19.12.3 LH Preparation 19.12.4 Chorionic Gonadotrophin 19.12.5 Synthetic Analogue to GnRH 19.12.6 Pregnant Mare Serum Gonadotrophin (PMSG) 19.12.7 Cloprostenol (Synthetic PG F2α) as Fertility Solution 19.12.8 Dinoprost Trimethamine 19.13 Non-Steroidal (Non Hormonal) Synthetic Chemical for Subfertility/Infertility Management 19.13.1 Clomifene Citrate 19.13.2 Valethamate Bromide 19.14 Uterine Tonic and Eclectic 19.15 Mastitis Care: Intra Mammary Infusion Tubes 19.16 Herbal Veterinary Medicine 19.16.1 Herbal Digestive and Stomachic 19.16.2 Antiflatulents (Antizymotics) 19.16.2.1 Anti Bloat Suspension (Oral Liquid) Medicines 19.16.2.2 Herbal Anti Bloat/Anti Tympany Preparation (for prompt relief of Tympany or Bloat) 19.16.3 Herbal Liver Tonic 19.16.4 Herbal Cough Mixture (Expectorant) 19.16.5 Galactagogue – for better milk production 19.16.6 Herbal Antistress Medicine 19.16.7 Antiseptic Herbal Dressing Oil 19.16.8 Herbal Ointments 19.16.9 Non Herbal and Herbal Aerosol Spray for Topical Wound Cure 19.16.10 Non Hormonal Herbal Heat Inducer 19.16.11 Herbal Immunomodulator 19.17 Mineral Mixtures 19.17.1 Common Mineral

PART – VI MISCELLANEOUS INFORMATION PERTAINING TO VETERINARY PRACTICE

20. Common Instruments/Equipment Used in Veterinary Practice 441

21. Proforma of Various Certificates 461


22. Miscellaneous Information 470

22.1 Important physiological norms and longevity of various animals 22.2 Important physiological data of common laboratory animals 22.3 Normal haematology of animals 22.4 Normal serum biochemistry of animals 22.5 Physiological norms of some zoo animals in captivity 22.6 List of teratogenic drugs 22.7 List of drugs contra-indicated in lactation 22.8 List of drugs safe in lactation 22.9 List of potentially hazardous drugs in pregnancy 22.10 List of potentially hazardous drugs in neonates 22.11 List of drugs not recommended in particular species of animals 22.12 Relative production efficiencies and economy of different meat producing animals 22.13 Contents of a veterinary emergency kit

References 477

Index of Animal Diseases 479

Index of Generic and Trade Names of Medicines/Drugs Used in Veterinary Practice 485
practice in animal welfare are many, and include increased professional satisfaction, enhanced client perceptions and improved compliance, safety and benefits to individuals and communities. A good understanding of how to provide for the pet’s welfare also provides a means of building trust with animal owners. Veterinary attitudes to animal welfare are important for several reasons; concern for the welfare of animals is considered to be an essential part of veterinary practice (Paul and Podberscek, 2000). As outlined above, there are a number of positive benefits to humans as a result of their relationships with animals. Veterinary medicine is the branch of medicine that deals with the prevention, control, diagnosis and treatment of disease, disorder and injury in animals and along with this, it also deals with animal rearing, husbandry, breeding, research on nutrition and product development. The scope of veterinary medicine is wide, covering all animal species, both domesticated and wild, with a wide range of conditions which can affect different species. Veterinarians are an integral part of the global health community. Beyond the activities linked to the health and welfare of animals, they have a key role in disease prevention and management, including those transmissible to humans, and to ensure food safety for the populations. In the current situation, it is crucial that, amongst their numerous activities, they can sustain those necessary to ensure that: national and regional veterinary regulatory and inspection services can oversee the integrity of public health. Supporting veterinary activities in the current context. When conducting their work, veterinarians have the responsibility to safeguard their health, the health of those they work with, and their clients’ health.