

SUMMARY

Veterinary Andrology is a book for veterinary surgeons, students, farmers and for those who love animals. It comprises 492 pages, 48 colored images, tables and graphs which make a successful, we hope, whole. The book is divided into 14 chapters. Within each chapter there are several subchapters meant to define a morphological structure, a disease or a certain specific sexual behavior, methods of reproduction and breeding of mammals and fowls.

The first part of the book (chapters I,II,III) gets the reader familiarized with elements concerning several morph clinical considerations of the male genital apparatus, its physiology and the production of gametes.

Further aspects of neuroendocrinology of the reproduction function in males are presented. There is a detailed presentation of the hypothalamus, hypothesis and hormones produced by these structures (gonadotropines); beyond these the production of steroid hormones is mentioned.

We would like to underline a special element: the contribution of the authors to the use of these categories of hormones in the control of reproduction disorder in males as well as the benefit of their exploitation in reproduction (chapter V and VI) both from the point of view of the capacity to produce gametes and of the normal and pathological sexual behavior.

The description of special pathology for each species, with the presentation of the adequate examination, diagnosis and treatment methods, is ranked among our best concerns; this addresses especially to the veterinary surgeons and the old students (chapter XIII,IX,X,XI).

The biotechniques used and successfully applied in Romania which especially stress methods of drawing, working out and conservation of seminal insemination are presented in chapter XII and XIII of the book.

Eventually the easiest part to understand, pleasant and useful to farmers, has as subject the breeding, reproduction and exploitation of male reproducers in mammals and fowls, comprising species characteristic to Romania.

The authors concentrate and offer minimum necessary information regarding these categories of animals and help the animal entrepreneur find optimum solutions concerning the breeding, health and exploitation of males.

It goes without saying that the message of the book is that there must be a permanent dialogue between the specialist – the veterinary surgeon and the farmer and the content of the book controls its quality and result.

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“The disciple comes to you to ask for something. You must teach him that there is nothing for him to receive, that he must grow. The disciple wants to become ivy. You must let him be what he has to be: even a weed”.

Constantin Noica
“Philosophical Diary”

PREFACE

Trying to write a book which contains everything about something is a Utopia. Our attempt had a sincere goal, the one of formulating an opinion about something, the discussions and descriptions being about the male reproducers of animals and fowls. We also encountered the first condition of a successful attempt, the forming of a team, able to think and work together. The team brings together people, professionals, curious people yearning for knowledge, open, communicative people, who have passed through many hardships of life.

Our motivation was linked with our profession, our job and especially with the people we address to, how we address with our shortcomings and competence, with the desire of perseverance, specific to any honest person. “Books and life have taught me that not the way I am is important, but what I do. Deeds are the best measure of the human being value, of its freedom; they are the results of his mind, work and risk” (A.Petre, 2001).

The present book has been written both for students of veterinary medicine faculties, veterinary surgeons all over the world, farmers, but also for a wide audience with a liberal way of thinking, looking forward to think, feel; it has also been written for seekers by excellency, beautiful, true, and who think that through studying they become complete and complex human

beings, who love people and animals. As a matter of fact I do not even know who to whom offers, who receives the knowledge, the qualification towards becoming.

The book offers specific elements of clinical and paraclinical evaluation of male reproducers, the analysis of their various performances in various stages of their sexual life. As a new element our team also suggests themes concerning the normal and pathological sexual behavior of these male reproducers, the ways of exploiting them through various clinical or biotechnical methods, or methods specific to the species.

The description of the diseases specific to each category of male reproducers, the diagnosis and treatment methods are subjects minutely presented and accessible to the reader, we hope. The longest chapter refers to breeding and exploitation of male reproducers in their biological population, and offers to those who are interested many details which can be used in protecting, healing or breeding animals and fowls. Their diversity (from domestic or wild mammals to fowls), presented in an intended sameness, makes the book attractive, we hope, easy to read and understand.

Undoubtedly, this book does not pretend to meet the exigencies of all readers, reason for which we take the risk, being happy, at the same time, to receive their qualified suggestions meant to improve, to complete, to make our study more attractive.