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# Manual to Veterinary Video-Oto-Endoscopy

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Giovanni Ghibaudo

# Manual to Veterinary Video-Oto-Endoscopy

Use and Utility in Canine and Feline Ear  
Diseases



Springer

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*I dedicate this book to my family,  
To Francesca, my wife, for the time, the love and  
the patience she gave to me  
To Alessandro, my precious and beloved son.*

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## Preface

After graduation, I spent the first few years as a veterinary surgeon learning about internal medicine and clinical pathology. But since discovering dermatology, I have had an enormous passion for this subject. While the tools for diagnosing skin diseases are known and used for each clinical case, I noticed that the information and guidelines were less defined for diagnosing and managing ear diseases. The sparks of knowledge and inspiration for otology as a subject began later. I started by reading articles, textbooks and attending conferences and courses by illustrious fathers of veterinary dermatology such as Craig Griffin, Lynette Cole, Rod Rosychuck, Ralf Muller, Tim Nuttall and Susan Patterson.

Thanks to them, I realised that the management of ears was entirely the dermatologist's responsibility (considering that the external ear to the eardrum is covered with skin!). So, after about 20 years of clinical work and more than a thousand cases of ear diseases in which I used the otoendoscope, I thought it was time to share my experience and knowledge, not only theoretical but above all practical. How to start an otoendoscopy unit, which instruments to choose, how to use them and where to avoid missteps or clinical errors.

An in-depth study on advanced imaging diagnostics has been included in the book due to the enormous importance these tools have in the definition and staging of otitis. In addition, the description of ear cleaning techniques and the use of therapeutic equipment such as surgical lasers are an integral part of the text.

Therefore, this manual aims to guide and support the clinician and all students and new graduates who have an interest and passion for this discipline.

Fano, Italy

Giovanni Ghibaudo

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## Acknowledgements

As a veterinary surgeon, I have learned from every patient and owner I have seen, but mainly through mistakes rather than success. Meeting with colleagues to share experiences and knowledge has enriched me. I thank the experts in dermatology and otology who enlightened and inspired me to develop and apply the knowledge I have learned in this field.

The iconographic part of the book is essential. For this reason, I would like to thank Massimiliano Crespi Medical Illustrator, whose anatomical drawings were faithful and very useful for the technical explanations. A special acknowledgement to my colleagues Dr. Daniele Spaziante, Dr. Marta Brusati and Dr. Anna Tomba for their kind permission to present their precious CT and MRI images.

I would also like to thank my friend and colleague Francesco Albanese for contacting Lars Koerner, editor of Springer Nature. Thanks to Lars' interest, it was possible to start working and developing this manual. Thank you to the Springer Nature staff for their assistance and professionalism; a special thank you to Silvia Herold, Bibhuti Sharma and Romana Feitsch. Finally, thank you to Dr. Vanessa Schmidt for essential support in reviewing and improving the English text.

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## About the Author

**Giovanni Ghibardo** graduated in Veterinary Medicine at the University of Milan in 1994. Since 1996 he has been involved in clinical dermatology, otology, oto-endoscopy, laser surgery (CO<sub>2</sub> and diodes) and dermatological laser therapy for dogs and cats. He attended many congresses and courses in Italy and abroad.

He is a member of both the European (ESVD) and the Italian (SIDEV) Society of Veterinary Dermatology. Speaker and instructor in dermatology courses at the University of Veterinary Medicine of Turin and at the University of Veterinary Medicine of Parma. Speaker and instructor of the Videotoendoscopy Courses and dermatological laser courses in Italy. Speaker at National and International Congresses.

He has published in both national and international peer-reviewed journals, He has also written some books on feline and canine dermatology and videotoendoscopy such as the “Clinical and microscopic dermatology of dogs and cats” Poletto Ed. that has been translated into three languages and “Ear diseases in dogs and cats” Elanco Ed. Dr. Ghibardo currently works on referred canine and feline dermatology e otoendoscopy in different private clinics in Italy.