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Encyclopedia of  
**Canine Clinical  
Nutrition**

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# Encyclopedia of **Canine Clinical Nutrition**

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# 'Let food be thy medicine'

Hippocrates (460-377 BC)



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Since its establishment in 1968 by the veterinarian Jean Cathary, true to its values of 'Knowledge and Respect, Royal Canin has shared a common goal with the veterinary community: **improving the health and the longevity of dogs and cats worldwide.**

The Royal Canin Center for Research and Development has developed innovative nutritional programs dedicated exclusively to veterinarians, based on a two-pronged preventive and curative approach.

With this expanded approach to health, Royal Canin has built the foundations of a solid partnership with veterinarians. The aim is to contribute to the development of their activities rather than trying to eclipse them in favor of other players in the nutrition market.

In the pursuit of this shared goal – improving the health of dogs and cats – the number one priority is to enhance the status of the veterinarian profession by:

1. sharing scientific knowledge acquired through practical experience
2. bringing innovation firmly anchored in scientific fact and characterized by measured clinical efficacy
3. creating specific and unique tools and services

Essentially, strengthening the veterinarian's advisory role in nutrition through the quality and exclusivity of products and giving a new meaning to the prescription of food through a variety of services offered to veterinarians.

The field of nutrition prescribed by the veterinarian to support the treatment – known as clinical nutrition – or to help prevent disease is the common ground on which the veterinarian profession and Royal Canin meet every day.

Our ambition with this encyclopedia was to draw together the latest advancements in Canine Clinical Nutrition in a single publication, from the perspective of clinicians and nutritionists – something that has never before been done.

This new publication is another in the long list of communication tools produced by Royal Canin for veterinarians around the globe. A list that includes the encyclopedias of dogs and of cats, Focus magazine and the special editions of Focus, as well as the Scientific Meetings.

More than ever, this Encyclopedia of Canine Clinical Nutrition, produced in association with eminent experts from the world of veterinary medicine, has been driven by the desire to share the knowledge that Royal Canin has acquired since its establishment.

Nutrition always has an impact on the clinical expression of some pathologies and to achieve its clinical and educational objectives this Encyclopedia offers a panorama that is both broad and deep, brought to life in full-color illustrations.

Produced under the supervision of the Royal Canin Center for Research and Development, this Encyclopedia of Canine Clinical Nutrition was conceived in the spirit of collaboration with our scientific partners.

I would like to express my sincere thanks to all those whose high-quality and precise work has enabled the production of this Encyclopedia.

**Jean-Christophe Flatin**  
*President of Royal Canin*







# Health and nutrition; more closely related than ever before

Clinical nutrition for companion animals is a fast developing discipline, as demonstrated by the many scientific articles published in this field in the last 50+ years. Indeed, in 2004 alone, there were 2648 articles published stressing the relationship between health, nutrition and the prevention of disease representing a 100% increase in available scientific information in just over a decade.

So why add a 500-page encyclopedia to the body of scientific literature already available? "Science for science's sake" is not one of Royal Canin's concerns. Our ultimate goal is to improve the health and well-being of dogs and cats by ensuring their diet is carefully tailored to their individual needs. This encyclopedia is therefore chiefly aimed at practitioners. We aspired to create a reference book which helps veterinary practitioners easily find answers to all of their questions (and those of their clients) concerning the role of nutrition in achieving both optimal health and in treating specific nutrition-responsive disease.

Compared to existing books, this Encyclopedia has three additional features.

### **1/ It provides updated knowledge about nutrition**

Each chapter summarizes the updated knowledge about nutritional therapies and reviews the most commonly asked questions, e.g.

- What is the role of dietary hypersensitivity in the development of intestinal bowel disease?
- Is it necessary to restrict fat intake in exocrine pancreatic deficiency?
- Is renal function affected by a high protein diet?
- What is the influence of urinary pH on the formation of calcium oxalate uroliths?
- What is the optimum sodium level for a dog with asymptomatic cardiac disease?

### **2/ Clinical experts and nutritionists have worked together to ensure that nutrition is included as part of a holistic clinical approach.**

All chapters in this text have been written by world-recognized experts in their respective field. We would like to take this opportunity to warmly thank the authors for having responded so marvellously to our editorial request. Together, we have produced one book covering all the available knowledge in the field of canine nutrition which we hope is easy to consult, pleasant to read and colourfully illustrated.

### **3/ "Royal Canin Nutritional Information" offers additional information**









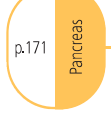







Each chapter includes appendices provided by veterinarians and nutritional experts of Royal Canin. These sections summarise the key points of nutritional management as well as offering additional information about select nutrients.

Royal Canin aims to make a real difference in the communication of scientific knowledge. In addition to this book, Royal Canin produces multiple nutrition guides, The Waltham Focus journal and Special Edition Focus magazines to inform and help veterinary practitioners in their day-to-day work.

We sincerely hope that you enjoy this Royal Canin Encyclopedia and that nutrition is an integral part of your daily practice in veterinary medicine.

**Pascale Pibot, Denise Elliott,  
and Vincent Biourge**

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