

# A Colour Handbook of Urinary Stones in Small Animal Medicine

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## **Description:**

The Colour Handbook deals with all aspects of urolithiasis in dogs, cats, rabbits and guinea pigs—from aetiology and pathogenesis to diagnosis, treatment and the prevention of disease recurrence.

The authors introduce the reader to treatment protocols developed from their own research and experience, and incorporate international state-of-the-art knowledge of the disease. Topics covered in the Colour Handbook include:

- Epidemiology
- Risks in companion animal husbandry
- Species-specific differences
- Breed dispositions
- Genetic causes
- Relevant anatomical points
- Clinical diagnosis
- Stone composition
- Clinical pathology
- Treatment protocols

The Colour Handbook is a compact, wide ranging illustrated guide to dealing with urinary stones in small animals, of value to veterinarians in training and practice.

## **Readership:**

Veterinarians in practice and training.

## **Key Features:**

- First practitioner guide to a common problem.
- Wide-ranging: covers science, medicine and surgery.
- Compact and superbly illustrated.

## **Contents:**

1 OVERVIEW OF URINARY STONES, Epidemiology, Formation of urinary stones in various breeds of dog and cat in Europe and America, Shape, colour, and composition of urinary stones in small animals, Causes of urinary stone formation, Theories on the crystallization of urinary components, Urinary stone analysis, General clinical diagnosis and treatment of urinary stones.  
2 URINARY STONES IN DOGS, Struvite stones, Calcium oxalate stones, Calcium phosphate: carbonate apatite stones, Calcium phosphate: brushite stones, Ammonium urate stones, Sodium urate, potassium urate, and uric acid stones, Cystine stones, Xanthine stones, 2,8-dihydroxyadenine stones, Silicate stones, Drug-induced urinary stones.  
3 URINARY STONES IN CATS, Feline lower urinary tract disease, Struvite stones (magnesium ammonium phosphate hexahydrated), Calcium oxalate stones, Calcium phosphate stones, Urate stones, Cystine stones, Xanthine stones, Silicate stones, Drug-induced urinary stones, Potassium magnesium pyrophosphate, Matrix, matrix stones, blood clots.  
4 URINARY STONES IN RABBITS AND GUINEA PIGS, Urinary stones in rabbits, Urinary stones in guinea pigs.  
APPENDICES: Urinary stones in other animals, Calcium content of foodstuffs, Oxalate content of foodstuffs, Purine content of foodstuffs, Methionine content of foodstuffs. REFERENCES. INDEX.