

Massimo Vignoli
John Graham

ATLAS
OF DIAGNOSTIC
IMAGING
of dogs and cats



Table of contents

SECTION I General introduction

CHAPTER 1	Diagnostic imaging	1
-----------	--------------------	---

Daniela Schweizer

SECTION II Appendicular skeleton

CHAPTER 2	Normal bones and joints	19
-----------	-------------------------	----

John Graham and Massimo Vignoli

CHAPTER 3	Appendicular skeleton: radiology and techniques	27
-----------	---	----

Nathalie Rademacher

CHAPTER 4	Fundamental bone and joint alterations	33
-----------	--	----

Nathalie Rademacher

CHAPTER 5	Fractures	41
-----------	-----------	----

Ciona Skelly and Hester McAllister

CHAPTER 6	Skeletal diseases of unknown etiology	51
-----------	---------------------------------------	----

Robson F. Giglio and Federico R. Vilaplana Grosso

CHAPTER 7	Elbow dysplasia	61
-----------	-----------------	----

Massimo Vignoli

CHAPTER 8	Hip dysplasia	69
-----------	---------------	----

Ingrid Gielen and Henri van Bree

CHAPTER 9	Osteochondrosis	79
-----------	-----------------	----

Ingrid Gielen and Henri van Bree

CHAPTER 10	Other congenital developmental and hereditary diseases	91
	<i>Séamus Hoey and Antonella Puggioni</i>	
CHAPTER 11	Metabolic bone diseases	105
	<i>Alessandra Destri</i>	
CHAPTER 12	Soft tissues	115
	<i>Barbara Posch, Antonella Puggioni and Massimo Vignoli</i>	
SECTION III Axial skeleton		
CHAPTER 13	Diseases of the skull	133
	<i>Federico R. Vilaplana Grosso and Robson F. Giglio</i>	
CHAPTER 14	Brachycephalic obstructive airway syndrome	163
	<i>Susanne Boroffka and Gert ter Haar</i>	
CHAPTER 15	Eye and orbit	171
	<i>Susanne Boroffka and Rick F. Sánchez</i>	
CHAPTER 16	Vertebral column	183
	<i>Ruth Dennis</i>	
SECTION IV Thorax		
CHAPTER 17	Thoracic wall, diaphragm, and pleura	219
	<i>Chee Kin Lim and Hock Gan Heng</i>	
CHAPTER 18	Mediastinum	241
	<i>Ehren M. McLarty</i>	
CHAPTER 19	Congenital and acquired cardiac diseases	267
	<i>L. Abigail Granger and Serena Crosara</i>	
CHAPTER 20	Lung: anatomy, techniques, and interpretation principles	315
	<i>John P. Graham and Juliette Besso</i>	
CHAPTER 21	Trachea	339
	<i>Chiara Mattei</i>	

CHAPTER 22	Infectious pulmonary disease	349
<i>John P. Graham</i>		
CHAPTER 23	Pulmonary infiltrations	363
<i>Margareta Uhlhorn, Carolina Carlsson Nilemo and Jessica Ingman</i>		
SECTION V Abdomen		
CHAPTER 24	Abdominal cavity and retroperitoneal space	399
<i>Christopher R. Tollefson</i>		
CHAPTER 25	Gastrointestinal contrast studies	415
<i>Lorrie Gaschen</i>		
CHAPTER 26	The stomach	437
<i>Lorrie Gaschen</i>		
CHAPTER 27	The small intestine	451
<i>Lorrie Gaschen</i>		
CHAPTER 28	The large intestine	469
<i>Lorrie Gaschen</i>		
CHAPTER 29	Normal liver and hepatic parenchymal disease	481
<i>Mylène Auger</i>		
CHAPTER 30	Biliary system	499
<i>Pamela Di Donato and Swan Specchi</i>		
CHAPTER 31	Portosystemic shunts	517
<i>Lorrie Gaschen</i>		
CHAPTER 32	Pancreas	525
<i>Angela J. Marolf</i>		
CHAPTER 33	Spleen and lymph nodes	535
<i>Margret S. Thompson</i>		
CHAPTER 34	Urinary tract contrast studies: technique and normal appearance	547
<i>Micaela Zarelli and Chiara Bergamino</i>		

CHAPTER	35	Kidneys and ureters	555
<i>Ryan B. Appleby</i>			
CHAPTER	36	Urinary bladder and urethra	577
<i>Ryan B. Appleby</i>			
CHAPTER	37	Prostate, testicles, ovaries, and uterus	599
<i>Marco Russo and Massimo Vignoli</i>			

SECTION VI **Interventional radiology**

CHAPTER	38	Interventional radiology	617
<i>Massimo Vignoli</i>			
