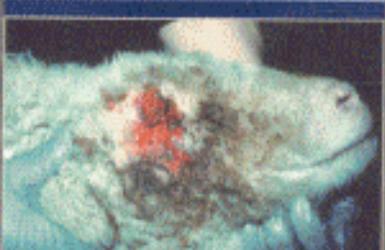
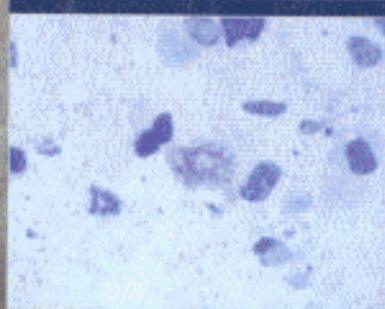


# Diseases of Sheep

THIRD EDITION

Edited by W.B. Martin  
and I.D. Aitken



Blackwell  
Science



Moredun

# Contents

Contributors	viii	9	Ram infertility <i>A. Greig</i>	65
Foreword to the Third Edition	xi			
Preface	xiii	10	Prolapse and hernia <i>B. D. Hosie</i>	71
List of abbreviations	xiv	11	Mastitis and contagious agalactia <i>J. E. T. Jones and G. H. Watkins</i>	75
<b>Part I: Introduction</b>		12	Chlamydial abortion <i>I. D. Aitken</i>	81
1 Sheep: a world-wide resource <i>J. M. M. Cunningham</i>	3	13	Toxoplasmosis and neosporosis <i>D. Buxton</i>	86
2a Sheep welfare: standards and practices <i>A. C. Winter</i>	9	14	Border disease <i>P. F. Nettleton</i>	95
2b Sheep welfare: castration and tail docking <i>V. Molony</i>	14	15	<i>Salmonella abortus ovis</i> infection <i>L. Gonzalez</i>	102
2c Sheep welfare: transport of sheep <i>J. Earl</i>	18	16	Other infectious causes of abortion <i>K. A. Linklater</i>	107
		17	<i>Brucella melitensis</i> infection <i>G. Castrucci</i>	114
		18	Ulcerative balanitis and vulvitis <i>A. Greig</i>	119
<b>Part II: Reproductive physiology</b>				
3 The reproductive cycle and its manipulation <i>D. C. Henderson and J. J. Robinson</i>	25			
4 Management and care of rams <i>J. Vipond and A. Greig</i>	34			
5 Ewe management for reproduction <i>L. A. Stubbings</i>	38			
6 The perinatal period <i>D. J. Mellor and J. C. Hodgson</i>	44			
<b>Part III: Reproductive diseases</b>				
7 Genital abnormalities, obstetrical problems and birth injuries <i>J. C. Hindson and A. C. Winter</i>	53			
8 Neonatal conditions <i>D. C. Henderson</i>	58	20	Diseases of the oral cavity <i>D. M. West and J. A. Spence</i>	125
		21	Clostridial diseases <i>C. J. Lewis</i>	131
		22	Mycobacterial infections <i>J. M. Sharp</i>	143
			Other enteric conditions <i>R. C. Gumbrell</i>	148

23	Cryptosporidiosis and coccidiosis <i>R. L. Coop and S. E. Wright</i>	153	38	Foot-and-mouth disease <i>A. I. Donaldson and R. F. Sellers</i>	254
24	Gastrointestinal helminthosis <i>R. L. Coop and F. Jackson</i>	159			
25	Liver fluke <i>J. Armour</i>	168			
<b>Part V: Diseases of the respiratory system</b>					
26	Acute respiratory virus infections <i>J. M. Sharp and P. F. Nettleton</i>	177	40	Sheep pox <i>R. P. Kitching</i>	266
27	Contagious respiratory tumours <i>J. M. Sharp and M. De las Heras</i>	181	41	Caseous lymphadenitis <i>J. J. Pekelder</i>	270
28	Maedi-visna <i>G. C. Pritchard and M. Dawson</i>	187	42	Pyodermas <i>W. B. Martin</i>	274
29	Pasteurellosis <i>W. Donachie</i>	191	43	Bacterial and fungal infections of the skin and wool <i>J. Plant</i>	276
30	Mycoplasma respiratory infections <i>W. B. Martin and I. D. Aitken (editors)</i>	198	44	Sheep scab <i>P. Bates</i>	281
31	Parasitic bronchitis and pneumonia <i>F. E. Malone</i>	202	45	Ectoparasites <i>P. Bates</i>	286
			46	Photosensitization <i>A. Flåøyen</i>	296
<b>Part VI: Diseases of the nervous system</b>					
32	Scrapie in sheep and goats, and related diseases <i>H. Fraser</i>	207	47	Ocular diseases <i>B. D. Hosie</i>	301
33	Louping-ill <i>H. W. Reid</i>	218	48	Tick-borne diseases of sheep <i>K. Sumption</i>	305
34	Listeriosis <i>J. C. Low</i>	224			
35	Other nervous diseases <i>P. R. Scott</i>	228			
<b>Part VII: Diseases of legs and feet</b>					
36	Foot-rot and other foot conditions <i>J. R. Egerton</i>	243	51	Micronutrient imbalance <i>N. F. Suttle and D. G. Jones</i>	332
37	Arthritis <i>G. H. Watkins</i>	249	52	Diseases of the urinary system <i>K. W. Angus</i>	344
<b>Part VIII: Diseases of skin, wool and eyes</b>					
39	Orf <i>H. W. Reid</i>	261			
40	Sheep pox <i>R. P. Kitching</i>	266			
41	Caseous lymphadenitis <i>J. J. Pekelder</i>	270			
42	Pyodermas <i>W. B. Martin</i>	274			
43	Bacterial and fungal infections of the skin and wool <i>J. Plant</i>	276			
44	Sheep scab <i>P. Bates</i>	281			
45	Ectoparasites <i>P. Bates</i>	286			
46	Photosensitization <i>A. Flåøyen</i>	296			
47	Ocular diseases <i>B. D. Hosie</i>	301			
48	Tick-borne diseases of sheep <i>K. Sumption</i>	305			
<b>Part IX: Metabolic and mineral disorders</b>					
49	Pregnancy toxæmia <i>M. J. Clarkson</i>	315			
50	Deficiency of mineral macro-elements <i>A. R. Sykes and A. J. F. Russel</i>	318			
51	Micronutrient imbalance <i>N. F. Suttle and D. G. Jones</i>	332			
52	Diseases of the urinary system <i>K. W. Angus</i>	344			

<b>Part X: Poisons</b>				
53 Plant poisoning in Britain and Ireland <i>K. W. Angus</i>	355	63 Australia <i>J. Plant</i>	426	
54 Inorganic and organic poisons <i>K. W. Angus</i>	368	64 New Zealand <i>N. D. Sargison and D. M. West</i>	431	
		65 North America <i>C. Wolf</i>	440	
		66a South America; pampas areas <i>L. A. O. Ribeiro</i>	446	
		66b South America; Andean highlands <i>R. Rosadio</i>	449	
<b>Part XI: Tumours</b>				
55 Tumours <i>K. W. Head and R. Munro</i>	381			
<b>Part XII: Other diseases of importance</b>				
56 Sarcocystosis <i>A. Uggla</i>	389			
57 Bluetongue <i>B. I. Osburn</i>	393			
58 Peste des petits ruminants and rinderpest <i>G. R. Scott</i>	398			
59 Rift Valley fever <i>G. F. Bath</i>	402			
60 Akabane disease <i>E. Rapoport</i>	406			
<b>Part XIV: Technical section</b>				
		67 Flock health programmes <i>R. N. Spedding and J. C. Hindson</i>	457	
		68 Pharmacology and therapeutics <i>Q. A. McKellar</i>	463	
		69 Anaesthesia and common surgical procedures <i>E. W. Scott</i>	473	
		70 Necropsy and sampling techniques <i>F. Howie</i>	480	
<b>Part XV: Appendices</b>				
<b>Part XIII: Regional problems</b>				
61 Near East <i>E. Rapoport</i>	413	71 Appendix A	499	
62 Southern Africa <i>G. F. Bath</i>	421	72 Appendix B	500	
		73 Appendix C	502	
		Index	503	