

# Contents

<b>1</b>	<b>The Science of Wildlife Disease Management.....</b>	<b>1</b>
	Richard J. Delahay, Graham C. Smith, and Michael R. Hutchings	
<b>2</b>	<b>Wildlife Population Structure and Parasite Transmission: Implications for Disease Management.....</b>	<b>9</b>
	Paul C. Cross, Julian Drewe, Victoria Patrek, Gareth Pearce, Michael D. Samuel, and Richard J. Delahay	
<b>3</b>	<b>Assessment of Transmission Rates and Routes, and the Implications for Management.....</b>	<b>31</b>
	Peter Caley, Glenn Marion, and Michael R. Hutchings	
<b>4</b>	<b>Modelling Disease Dynamics and Management Scenarios.....</b>	<b>53</b>
	Graham C. Smith, Glenn Marion, Steve Rushton, Dirk Pfeiffer, Hans H. Thulke, Dirk Eisinger, and Michael R. Hutchings	
<b>5</b>	<b>An Economic Perspective on Wildlife Disease Management.....</b>	<b>79</b>
	Richard Bennett, Graham C. Smith, and Ken Willis	
<b>6</b>	<b>Options for the Control of Disease 1: Targeting the Infectious or Parasitic Agent .....</b>	<b>97</b>
	Jean Blancou, Marc Artois, Emmanuelle Gilot-Fromont, Volker Kaden, Sophie Rossi, Graham C. Smith, Michael R. Hutchings, Mark A. Chambers, Steve Houghton, and Richard J. Delahay	
<b>7</b>	<b>Options for the Control of Disease 2: Targeting Hosts .....</b>	<b>121</b>
	Stephen P. Carter, Sugoto S. Roy, Dave P. Cowan, Giovanna Massei, Graham C. Smith, Weihong Ji, Sophie Rossi, Rosie Woodroffe, Gavin J. Wilson, and Richard J. Delahay	

**8 Options for the Control of Disease 3: Targeting the Environment** ..... 147  
Alastair I. Ward, Kurt C. VerCauteren, W. David Walter,  
Emmanuelle Gilot-Fromont, Sophie Rossi, Gareth Edwards-Jones,  
Mark S. Lambert, Michael R. Hutchings, and Richard J. Delahay

**9 Risk Assessment and Contingency Planning for Exotic Disease Introductions** ..... 169  
Vicky S. Jackson, Selene Huntley, Alex Tomlinson,  
Graham C. Smith, Mike A. Taylor, and Richard J. Delahay

**10 Wildlife Disease Surveillance and Monitoring** ..... 187  
Marc Artois, Roy Bengis, Richard J. Delahay, Marie-José Duchêne,  
J. Paul Duff, Ezio Ferroglio, Christian Gortazar, Michael R. Hutchings,  
Richard A. Kock, Frederick A. Leighton, Torsten Mörner,  
and Graham C. Smith

**11 Disease Management in Endangered Mammals** ..... 215  
Andrew C. Breed, Raina K. Plowright, David T. S. Hayman,  
Darryn L. Knobel, Fieke M. Molenaar, David Gardner–Roberts,  
Sarah Cleaveland, Dan T. Haydon, Richard A. Kock,  
Andrew A. Cunningham, Anthony W. Sainsbury,  
and Richard J. Delahay

**Glossary** ..... 241

**References** ..... 245

**Index** ..... 279