

Contents

Contributors	ix	6. Biomechanical Considerations in Total Hip Replacement	53
Foreword <i>Marvin L. Olmstead</i>	xi	<i>Michael P. Kowaleski</i>	
Foreword <i>David J. DeYoung</i>	xiii	7. Clinical Application of Total Hip Replacement	69
Foreword <i>Mark D. Markel, Chair of the Board of Trustees ACVS Foundation</i>	xvii	<i>Jeffrey N. Peck, William D. Liska, David J. DeYoung, and Denis J. Marcellin-Little</i>	
Preface and Acknowledgments	xix	8. Revision Strategies for Total Hip Replacement	109
1. The History of Joint Replacement in Veterinary Surgery	3	<i>Jeffrey N. Peck and Denis J. Marcellin-Little</i>	
<i>Mariana Quina and Jeffrey N. Peck</i>		9. Biomechanical Considerations in Total Knee Replacement	131
2. Implant Materials: Structural	11	<i>Matthew Allen and Kenneth Mann</i>	
<i>Simon C. Roe</i>		10. Clinical Application of Total Knee Replacement	151
3. Implant Materials: Surface Coating	19	<i>Melvyn Pond</i>	
<i>David J. DeYoung and Denis J. Marcellin-Little</i>		11. Biomechanical Considerations in Total Elbow Development	163
4. Weight-Bearing Surfaces	31	<i>Greg Van Der Meulen</i>	
<i>Jeffrey N. Peck</i>			
5. Methods of Immediate Fixation	39		
<i>Kei Hayashi and Kurt S. Schulz</i>			

12. Clinical Application of Total Elbow Replacement in Dogs	179	14. Custom Total Joint Arthroplasty	223
<i>Loïc M. Déjardin, Reunan P. Guillou, and Michael Conzemius</i>		<i>Denis J. Marcellin-Little and Ola L.A. Harrysson</i>	
13. Emerging Arthroplasties	199	Index	243
<i>Jeffrey N. Peck</i>			