

Contents

Preface	vii		
Introduction: Theory and practice in gait analysis	ix		
PART I Theory	1	PART II Practice	199
Part I Theory: Introduction	5	Part II Practice: Introduction	201
1. The temporal-spatial parameters	15	11. Loading	223
2. Measurement of gait kinematics	39	12. Support and forward progression	237
3. Three-dimensional gait analysis	53	13. Propulsion and swing	255
4. Biomechanics of standing	73	14. Observational gait analysis	267
5. The ground reaction in normal gait	83	Afterword: Gait analysis in the clinic	299
6. Plantar pressure measurement	97	Appendix: Answers to multiple-choice questions	303
7. Joint moment	117	Index	309
8. Muscles	133		
9. Gravity and centre of mass	157		
10. Power	175		