

Contents

Chapter 1	General Introduction	9
Chapter 2	Evaluation of clinical spasticity assessment in cerebral palsy using inertial sensors	31
Chapter 3	Evaluation of the catch in spasticity assessment in children with cerebral palsy	47
Chapter 4	Gait analysis in children with cerebral palsy via inertial and magnetic sensors: a validation study	71
Chapter 5	Influence of the instrumented force shoe on gait pattern in patients with osteoarthritis of the knee	87
Chapter 6	The knee adduction moment measured with an instrumented force shoe in patients with osteoarthritis of the knee	111
Chapter 7	Ambulatory measurement of the knee adduction moment in patients with osteoarthritis of the knee	133
Chapter 8	The effectiveness of voluntary modifications of gait pattern to reduce the knee adduction moment	151
Chapter 9	General Discussion	173
Summary		199
Samenvatting		205
About the author		213
Dankwoord		217