

# Contents

<b>Chapter 1</b>	General Introduction	7
<b>Chapter 2</b>	Aims and outline of the thesis	27
<b>Chapter 3</b>	Effectiveness of Selective Dorsal Rhizotomy in two Patients with Progressive Spasticity due to Neurodegenerative Disease	31
<b>Chapter 4</b>	Preoperative MRI findings and functional outcome after Selective Dorsal Rhizotomy in children with bilateral spasticity	43
<b>Chapter 5</b>	Reproducibility and validity of video screen measurements of gait in children with spastic cerebral palsy	59
<b>Chapter 6</b>	Effect of Selective Dorsal Rhizotomy on Gait in Children with Bilateral Spastic Paresis: Kinematic and EMG-Pattern Changes	75
<b>Chapter 7</b>	Long-term outcome and adverse effects of selective dorsal rhizotomy in children with cerebral palsy – a systematic review	97
<b>Chapter 8</b>	General Discussion	119
<b>Chapter 9</b>	Summary	143
<b>Chapter 10</b>	Nederlandse Samenvatting	149
	Aknowledgement	155