CONTENTS

1. Introduction 7

2. Design of the Quality of Life in Motion (QLIM) study: a randomized controlled trial to evaluate the effectiveness and cost-effectiveness of a combined physical exercise and psychosocial training program to improve physical fitness in children with cancer 17

3. Factors influencing childhood cancer patients to participate in a combined physical and psychosocial intervention program: Quality of Life in Motion 37

4. Applicability and evaluation of a psychosocial intervention program for childhood cancer patients 53

5. Effects of a combined physical and psychosocial intervention program for childhood cancer patients on quality of life and psychosocial functioning: results of the QLIM randomized clinical trial 69

6. Effects of a combined physical and psychosocial training for children with cancer: a randomized controlled trial 89

7. Summary, general discussion and perspectives 109

Samenvatting 119

Dankwoord 127

Curriculum Vitae 133