CONTENTS

1 General introduction 9

2 n-3 PUFAs in cancer, surgery, and critical care: a systematic review on clinical effects, incorporation, and washout of oral or enteral compared with parenteral supplementation 25

3 Precachexia and cachexia at diagnosis of stage III non-small cell lung carcinoma 97

4 Oral nutritional supplements containing (n-3) polyunsaturated fatty acids affect the nutritional status of patients with stage III non-small cell lung cancer during multimodality treatment 121

5 Oral nutritional supplements containing n-3 poly-unsaturated fatty acids affect quality of life and functional status in lung cancer patients during multimodality treatment: an RCT 143

6 Should n-3 polyunsaturated fatty acids be prescribed in patients with cancer cachexia? 159

7 Nutrition during trimodality treatment in stage III non-small cell lung cancer - not only important for underweight patients 197

8 Nutritional support in patients with graft-versus-host disease of the digestive tract: state of the art 211

9 Feasibility of intermittent fish oil infusions in outpatients with Graft-versus-Host disease of the digestive tract 239

10 General discussion 259

Summary 273

Samenvatting 277

Dankwoord 281

About the author 287

Publications 291