

Contents

Preface	ix
Part I Theoretical Basics of Manual Lymph Drainage	
1 Anatomy and Physiology of the Circulation of Blood	2
1.1 Blood	2
1.1.1 Red Blood Cells (Erythrocytes)	3
1.1.2 White Blood Cells (Leukocytes)	3
1.1.3 Blood Platelets (Thrombocytes)	4
1.2 Cardiovascular System	4
1.2.1 Arterial System	5
1.2.2 Capillaries	6
1.2.3 Venous System	6
2 Anatomy of Lymph Vessels and Lymph Nodes	7
2.1 Initial Lymph Vessels	7
2.2 Precollectors	8
2.3 Lymph Collectors	8
2.4 Lymph Nodes	9
2.5 Lymphatic Trunks	10
2.5.1 Large Lymphatic Pathways	11
2.5.2 Drainage from the Abdomen	15
2.5.3 Drainage from the Thorax	16
2.5.4 Drainage from the Brain	16
2.5.5 Anastomoses	17
3 Physiology of the Lymphatic System, Lymph, and Interstitium	18
3.1 Loose Connective Tissue	18
3.1.1 Fixed and Mobile Cells	18
3.1.2 Fibers	19
3.1.3 Ground Substance/Interstitial Fluid	19
3.1.4 Function and Qualities	20
3.1.5 Adipose Tissue	20
3.1.6 Water Balance	21
3.1.7 Protein Circulation: Active Transport Mechanism	21
3.2 Physiology of the Exchange Processes between Interstitium and Terminal Vessels	22
3.2.1 Molecular Motion: Passive Transport Mechanism	22
3.2.2 The Starling Equilibrium	25
3.3 Function of Lymph Vessels	25
4 Lymphedema	27
4.1 Primary Lymphedema	28
4.2 Secondary Lymphedema	28
4.3 Possible Complications of Lymphedema	29
4.3.1 Infection	29
4.4 Physical Reactions to Lymphedema	30
4.5 Additional Indications for Manual Lymph Drainage	30
4.5.1 Venous Edema of the Leg	30
4.5.2 Lipedema	31
4.5.3 Lipohypertrophy	31
4.5.4 Cardiac Edema	31
Part II Manual Lymph Drainage	
5 Equilibrium and Balance as the Aim of Massage	38
5.1 Fluid Equilibrium	38
5.2 Balance in Alternative Healing Methods	38
6 Indications and Contraindications for Manual Lymph Drainage	39
6.1 Indications	39
6.2 Absolute Contraindications	39
6.2.1 Relative Contraindications	39

7	Effect of Manual Lymph Drainage on the Smooth Muscles of Blood Vessels and Lymphangions	41
7.1	Different Effects of Manual Lymph Drainage	42
7.1.1	Relaxing, Calming, and Stimulating the Lymph Flow	42
7.1.2	Pain Relieving	42
7.1.3	Affecting the Immune System	43
7.1.4	Decongesting: Reducing Edema	43
8	Diagnostic Examination and Edema Measurement	44
Part III The Technique of Manual Lymph Drainage		
9	Massage Techniques	48
9.1	The Nature of the Massage	48
9.1.1	Stationary Circle	48
9.1.2	Scoop Technique	48
9.1.3	Pump Technique	48
9.1.4	Rotary Technique	49
9.1.5	Thumb Circles	49
9.2	Duration and Intensity of the Massage	49
9.3	Creating the Environment for Optimal Treatment	50
9.4	Treatment Guidelines for Manual Lymph Drainage	50
10	Treatments of the Individual Parts of the Body	51
10.1	Treatment of the Neck	51
10.1.1	Effleurage	51
10.1.2	Profundus to Terminus	51
10.1.3	Occiput to Terminus	52
10.1.4	Tip of the Chin to the Profundus, then to the Terminus	52
10.1.5	Fork Technique	53
10.1.6	Shoulder Circles	53
10.1.7	Shoulder Circles	53
10.1.8	Profundus to Terminus	53
10.1.9	Final Effleurage	53
10.2	Treatment of the Face	54
10.2.1	Effleurage	54
10.2.2	Jaw Area	54
10.2.3	Nose	55
10.2.4	"Long Journey"	56
10.2.5	Treatment of the Eyes	57
10.2.6	Eyebrows	57
10.2.7	Forehead	57
10.2.8	Temple to Profundus	58
10.2.9	Profundus to Terminus	58
10.2.10	Effleurage (Not Shown)	58
10.3	Treatment of the Arm	59
10.3.1	Effleurage (Not Shown)	59
10.3.2	Upper Arm	59
10.3.3	Elbow	60
10.3.4	Forearm	60
10.3.5	Hand	61
10.3.6	Finger Treatment (Not Shown)	61
10.3.7	Final Effleurage	61
10.4	Treatment of the Leg	62
10.4.1	Effleurage	62
10.4.2	Thigh	62
10.4.3	Knee	64
10.4.4	Lower Leg	65
10.4.5	Foot	65
10.4.6	Final Effleurage	65
10.5	Treatment of the Nape of the Neck	66
10.5.1	Effleurage	66
10.5.2	Profundus to Terminus	66
10.5.3	Occiput to Terminus	66
10.5.4	Back of the Head	67
10.5.5	Shoulders	67
10.5.6	"Rabbit" Technique	67
10.5.7	Skin of the Nape of the Neck	68
10.5.8	"Soldiers" Technique	68
10.5.9	Vibration, Final Effleurage	68
10.6	Treatment of the Back	69
10.6.1	Effleurage (Not Shown)	69
10.6.2	Right Side of the Back	69
10.6.3	Left Side of the Back	70
10.6.4	Extensors of the Spine	70
10.6.5	Triangle between the Shoulder Blades	71
10.6.6	"Soldiers" Technique (Not Shown)	72
10.6.7	Vibration and Final Effleurage	72
10.7	Treatment of the Buttocks	73
10.7.1	Effleurage	73
10.7.2	Right Buttock	73
10.7.3	Left Buttock	74
10.7.4	Sacral Triangle	74
10.7.5	Vibration and Final Effleurage	75
10.8	Treatment of the Chest	76
10.8.1	Effleurage	76
10.8.2	Left Side	76

10.8.3	Right Side	77	10.9.3	Colon Strokes.....	79
10.8.4	"Seven" Technique	78	10.9.4	Treatment of the Colon.....	80
10.8.5	Final Effleurage.....	78	10.9.5	Weight Reduction Technique (Treatment of the Small Intestine).....	81
10.9	Treatment of the Abdomen.....	79	10.9.6	Treatment of Deep Lymph Vessels/Nodes ..	81
10.9.1	Effleurage.....	79	10.9.7	Final Effleurage with Breathing	81
10.9.2	Solar Plexus	79			
11	Special Techniques	82			
11.1	Special Techniques for the Head	82	11.4.4	Searching for Painful Points: Patient in the Lateral Position (Not Shown)	91
11.1.1	Nose	82	11.4.5	Searching for Painful Points: Patient in Supine Position (Not Shown)	92
11.1.2	Eyes	83	11.5	Special Techniques for the Back	93
11.1.3	Skull.....	84	1.5.1	Intercostal Spaces (Not Shown)	93
11.1.4	Ears.....	84	11.5.2	Extensors of the Spine (Not Shown)	93
11.1.5	Intraoral Drainage (Not Shown).....	85	11.6	Special Techniques for the Hips.....	94
11.2	Special Techniques for the Arm	86	11.6.1	Standing behind the Patient	94
11.2.1	Elbow.....	86	11.6.2	Standing in Front of the Patient	95
11.2.2	Wrist (Not Shown).....	86	11.6.3	Standing Next to the Patient	95
11.3	Special Techniques for the Leg.....	87	11.7	Special Techniques for the Chest.....	96
11.3.1	Knee	87	11.7.1	Intercostal Spaces.....	96
11.3.2	Foot	88	11.7.2	Breathing Technique	96
11.4	Special Techniques for the Shoulder	89	11.8	Special Techniques for the Abdomen.....	97
11.4.1	Mobilizing the Shoulder Blade Posteriorly	89	11.8.1	Wide Pelvis.....	97
11.4.2	Mobilizing the Shoulder Blade Anteriorly.....	90	11.8.2	Narrow Pelvis	97
11.4.3	Glenohumeral Mobilization	91			
12	Treatment Model for Secondary Lymphedema	98			
12.1	Treatment of Secondary Lymphedema of the Arm	98	12.2.1	Lymph Nodes of the Neck (Not Shown)....	103
12.1.1	Lymph Nodes of the Neck (Not Shown)....	98	12.2.2	Axillary Lymph Nodes (Not Shown)	103
12.1.2	Healthy Breast (Not Shown)	98	12.2.3	Abdominal Skin	103
12.1.3	Affected Breast	99	12.2.4	Treatment of the Edematous Leg from the Front	104
12.1.4	Treatment of the Edematous Arm	100	12.2.5	Quadratus Lumborum (Not Shown)	106
12.1.5	Affected Breast (Not Shown).....	102	12.2.6	"Soldiers" Technique (Not Shown).....	106
12.1.6	Back (Not Shown).....	102	12.2.7	Skin of the Buttocks (Not Shown)	106
12.2	Treatment of Secondary Lymphedema of the Leg	103	12.2.8	Treatment of the Edematous Leg from Behind.....	107
Part IV Complementary Treatments					
13	Complementary Treatments.....	110			
13.1	Decongestion and Maintenance Phase ...	110	13.4	Therapeutic Exercises and Respiratory Therapy	123
13.1.1	Phase 1: Inpatient Decongestion Phase	110	13.4.1	Therapeutic Exercises	123
13.1.2	Phase 1: Outpatient Decongestion Phase. ...	110	13.4.2	Respiratory Therapy	125
13.1.3	Phase 2: Maintenance Phase.....	111	13.4.3	Meditative Aspects	125
13.2	Skin Care	111	13.5	Lymph Taping.....	125
13.3	Compression Therapy	111	13.5.1	Lymph Tape	125
13.3.1	Bandaging.....	111	13.6	Further Information	129
13.3.2	Compression Stockings.....	122	13.6.1	Useful Addresses.....	129

Part V Historical Background

14	Historical Background	132
14.1	Preface to the First Edition 1978	132
14.2	Lymph Drainage—A New Therapeutic Method Serving Cosmetic Care	135
14.2.1	The Beauty of the Face	135
14.2.2	Is Aging Unavoidable?	136
14.2.3	The Blood Vessel System.	136
14.2.4	The Lymph Vessel System.	136
	References	140
	Index	141