

Table of Contents

Feet for Life Podortho® Foot Specialist Advanced Foot & Lower Limb Care	10
Message from Erin D. King, Registered Practical Nurse, Podortho® Foot Specialist	12
Chapter 1	
Introduction to the Foot	13
Interesting Foot Facts.....	13
The Child's Foot	16
In-Toeing and Out-Toeing in Children.....	16
Toe Walking.....	17
Questions and Assignments	18
Chapter 2	
Advanced Foot & Lower Limb Care Scope of Practice Interpreted by; the Ontario Foot Care Association Inc.	19
Scope of Practice.....	19
Individual Scope of Podortho® Foot Specialists.....	19
The Role of the Health Care Practitioner in Foot and Lower Limb Care.....	21
Augmenting your Practice Providing a Whole of Client Care	22
References and Associations	22
Self-test Questions and Assignment	24
Chapter 3	
Anatomy of the Lower Leg and Foot and Characteristics of the Aging Foot	25
Functions of the Foot.....	25
Bones of the Lower Limb & Foot	26
Joints of the Foot and Ankle.....	27
Ligaments of the Foot	28
Muscles, Tendons, and Fascia.....	28
Arches of the Foot	30
Anatomic Positions.....	30
Motions of the Foot and Ankle.....	31
Vascular System	31
Lymphatic System	33
Venous System.....	34
Nervous and Peripheral Sensory System	34
Neurons and Functions	35
Composition and Function of the Skin	35
Nail Anatomy.....	37
Functions of the Nail	38
Characteristics of the Aging Foot.....	38
Self-test Questions and Assignment.....	40

Chapter 4	
Microbiology, Infection Prevention and Control, and Occupational Health and Safety	42
Microbiology	42
Transmission of an Infection	43
Personal Protective Equipment (PPE)	45
Infection Protection and Control	46
Occupational Health and Safety	48
Self-test Questions and Assignment	50
Chapter 5	
Nail Anatomy	52
Nail Pathologies and Conditions	52
	53
Onychocryptosis (Ingrown Nail)	54
Involted and Plicatured (High Curved) Nails.....	55
Onychauxic (Thickened Nail)	56
Onychogryphosis (Ram's Horn)	56
Onychoschizia (Split Nails)	57
Discoloration and Yellow Nail Syndrome.....	57
Psoriatic Nails	58
Beau's Lines	59
Koilonychias (Spoon Nails)	59
Onychomadesis (Complete Nail Loss)	60
Onychomalacia (Soft Nails)	61
Subungual Exostosis (Osteochondroma)	62
Subungual Hematoma.....	62
Onychomycosis (Fungal Nail Infection)	63
Self-test Questions and Assignment.....	76
Chapter 6	
Structural Deformities of the Fore Foot Disorders	78
	78
Bunion.....	78
Hallux Valgus.....	78
Hallux Rigidus / Limitus.....	79
Hammertoes.....	80
Claw and Mallet Toes	81
Foot and Lower Limb Conditions	82
	82
Neuroma (Interdigital and Morton's)	82
Metatarsalgia.....	83
Heel Pain	84
Plantar Fasciitis.....	85
Achille's Tendonitis.....	86
Fracture	86
Arthritis.....	87

Mid-Foot Disorders	87
Pes Cavus (High Arch)	87
Pes Planus (Flat Feet)	88
Sesamoid Injuries	89
Sesamoiditis	89
Turf Toe	89
Self-test Questions and Assignment.....	91
Chapter 7	
Foot Assessment and Documentation	92
Foot and Lower Limb Care Health History.....	92
Foot and Lower Limb Care Consent.....	94
Comprehensive Foot and Lower Limb Care Assessment	95
60-Second Diabetic Foot Screen	99
Client Care Plan and Goals	102
Client Intake Form.....	103
Podortho® Foot Specialist Assessment Form	110
Daily Charting and Podortho® Foot Specialist Care Plan Form.....	113
Client Report to Primary Care Provider- example	115
Self-test Questions and Assignment	116
Chapter 8	
Instrumentation and Supplies	118
Instruments	118
Instrument Care Guidelines.....	119
Assessment of Instruments	120
Practice Equipment.....	121
Care Supplies	121
Infection Control & Supplies.....	121
Questions and Assignment	123
Chapter 9	
Podortho® Foot Specialist Procedures	124
Instruments for Special Procedures	124
Electric Rotary File	124
Rotary Burs.....	124
Sharp Debridement Instruments.....	127
Commercial Sharps.....	129
Self-test Questions and Assignment.....	131
Chapter 10	
Soft Tissue Pathologies	132
Soft Tissue Pathologies and Conditions	132
Heloma Durum (Hard Corns)	133
Heloma Molle (Soft Corns)	134
Heloma Milliare (Seed Corns)	134
Tylomas (Callus)	135
Onychophosis.....	136

Paronychia	136
Dry Skin	137
Fissures	138
Hyperhidrosis (Excessively Moist Skin).....	138
Blisters	139
Tinea Pedis (Fungal Skin Infection).....	140
Bacterial Infections	141
Verruca Plantaris (Plantar Warts).....	142
Dermatitis.....	143
Cellulitis.....	143
Psoriasis	144
Lesser Known Skin Conditions and Treatments	144
Xerotic Eczema	144
Venous Stasis Eczema	145
Carcinoma (Basil Cell and Squamous Cell).....	145
Ganglion Cyst.....	145
Acrochordon (Skin Tag)	146
Cutaneous Horns.....	146
Self-test Questions and Assignment.....	147
Chapter 11	
Padding and Strapping	148
Digital Appliances (Orthoses)	148
Corrective Materials – Advantages/Disadvantages – Applications	149
Self-test Questions and Assignment.....	151
Chapter 12	
Foot Health Education, Footwear, and Foot Care Disciplines	152
Foot and Lower Limb Health Care Education.....	152
Footwear	153
Compression Therapy	156
Foot and Ankle Exercises	157
Foot Care Professionals and Disciplines	158
Self-test Questions and Assignment.....	161
Chapter 13	
Foot Care Procedures	162
Foot Care Set-Up	162
General Instrument Usage.....	163
Final Treatment Steps and Health Teaching.....	165
Self-test Questions and Assignment	166
Chapter 14	
Biomechanics and Gait Analysis	167
Biomechanics	167
Gait Cycle	167
Lower Extremity Joints in Motion	168
Movement Planes and Motions	168