

# Table of Contents

## **Introduction - Tour Guide Tips**

How To Use This Book	12
Key	13
Palpation Hints	14
Creating Your Palpatory Journal	19
Exploring the Textural Differences of Structures	20

## **Chapter 1 - Navigating the Body**

Regions of the Body	30
Planes of Movement	31
Directions and Positions	31
Movements of the Body	32
Systems of the Body	40
The Skeletal System	40
Types of Joints	42
The Muscular System	43
The Fascial System	46
The Cardiovascular System	48
The Nervous System	50
The Lymphatic System	51

## **Chapter 2 - Shoulder & Arm**

Topographical Views	54
Exploring the Skin and Fascia	55
Bones of the Shoulder and Arm	56
Bony Landmarks	57
Bony Landmark Trails	59
Muscles of the Shoulder and Arm	69
Synergists - Muscles Working Together	71
Deltoid	75
Trapezius	76
Latissimus Dorsi and Teres Major	79
Rotator Cuff Muscles	82
Rotator Cuff Tendons	87
Rhomboid Major and Minor	90
Levator Scapula	91
Serratus Anterior	94
Pectoralis Major	97
Pectoralis Minor	100
Subclavius	102
Biceps Brachii	103
Triceps Brachii	105
Coracobrachialis	107
Other Structures of the Shoulder and Arm	108

## **Chapter 3 - Forearm & Hand**

Topographical Views	116
Exploring the Skin and Fascia	117
Bones of the Forearm and Hand	118
Bony Landmarks	119
Bony Landmark Trails	121
Muscles of the Forearm and Hand	135
Synergists - Muscles Working Together	138
Brachialis	140
Brachioradialis	141
Distinguishing Between the Flexor and Extensor Groups of the Forearm	142
Extensors of the Wrist and Hand	143
Anconeus	147
Extensor Indicis	147
Flexors of the Wrist and Hand	148
Pronator Teres	154
Pronator Quadratus	155
Supinator	155
Muscles of the Thumb	157
Muscles of the Hand	163
Other Structures of the Forearm and Hand	166

## **Chapter 4 - Spine & Thorax**

Topographical Views	174
Exploring the Skin and Fascia	175
Bones of the Spine and Thorax	176
Bony Landmarks	177
Bony Landmark Trails	180
Muscles of the Spine and Thorax	194
Synergists - Muscles Working Together	200
Erector Spinae Group	202
Transversospinalis Group	206
Splenius Capitis and Cervicis	209
Suboccipitals	211
Quadratus Lumborum	213
Abdominals	215
Diaphragm	219
Intercostals	221
Serratus Posterior Superior and Inferior	222
Intertransversarii	223
Interspinalis	223
Other Structures of the Spine and Thorax	224

# Table of Contents

<b>Chapter 5 - Head, Neck &amp; Face</b>	<b>231</b>	<b>Chapter 7 - Leg &amp; Foot</b>	<b>337</b>
Topographical View	232	Topographical Views	338
Exploring the Skin and Fascia	233	Exploring the Skin and Fascia	339
Bones and Bony Landmarks of the Head, Neck and Face	234	Bones of the Knee, Leg and Foot	340
Bony Landmark Trails	236	Bony Landmarks of the Knee and Leg	341
		Bony Landmark Trails of the Knee	343
Muscles of the Head, Neck and Face	246	Bones and Bony Landmarks of the Ankle and Foot	348
Synergists - Muscles Working Together	248	Bony Landmark Trails of the Ankle and Foot	350
Sternocleidomastoid	250		
Scalenes	252	Muscles of the Leg and Foot	360
Masseter	256	Synergists - Muscles Working Together	362
Temporalis	257	Gastrocnemius	364
Suprahyoids and Digastric	259	Soleus	364
Infrahyoids	261	Plantaris	367
Platysma	263	Popliteus	368
Occipitofrontalis	263	Peroneus Longus and Brevis	369
Pterygoids, Medial and Lateral	265	Extensors of the Ankle and Toes	371
Longus Capitis and Longus Colli	266	Flexors of the Ankle and Toes	374
		Muscles of the Foot	377
Other Structures of the Head, Neck and Face	267	Other Muscles of the Foot	380
		Other Structures of the Knee and Leg	382
<b>Chapter 6 - Pelvis &amp; Thigh</b>	<b>273</b>	Other Structures of the Ankle and Foot	388
Topographical Views	274		
Exploring the Skin and Fascia	275		
Bones of the Pelvis and Thigh	276	Synergists - Muscles Working Together	397
Bony Landmarks	277	Glossary of Terms	400
Bony Landmark Trails	282	Pronunciation and Etymology	404
		Bibliography	408
Muscles of the Pelvis and Thigh	294	Index	410
Synergists - Muscles Working Together	296		
Quadriceps Femoris Group	300		
Hamstrings	305		
Gluteals	309		
Adductor Group	313		
Tensor Fasciae Latae and Iliotibial Tract	318		
Sartorius	320		
Tendons of the Posterior Knee	321		
Lateral Rotators of the Hip	322		
Iliopsoas	326		
Psoas Major	328		
Iliacus	329		
Other Structures of the Pelvis and Thigh	330		