

Contents

<i>Preface</i>	v
<i>Acknowledgements</i>	vii
<i>About the Authors</i>	ix
1. Introduction	1
Technical Considerations of High Resolution Ultrasonography	1
<i>Advantages of HRU</i>	3
Characteristics of Healthy Peripheral Nerves	3
<i>Appearance and identification</i>	3
<i>Measurements</i>	4
Characteristics of Diseased Peripheral Nerves	6
2. Finding the Nerve	9
Antebrachial Nerves	10
<i>Medial antebrachial (L)</i>	10
Brachial plexus (R)	11
Cervical Roots (C5 & 6) (R)	12
Ilioinguinal Nerve (R)	13
Lateral Femoral Cutaneous (R)	14
Median Nerve (Carpal Tunnel) (R)	15
Peroneal Nerve (Fibular Head) (R)	16
Radial Nerve (Spiral Groove) (R)	17
Radial Nerve (Supinator Canal) (L)	18

Sciatic Nerve (Proximal) (L)	19
Superficial Peroneal Nerve (Shin) (L)	20
Superficial Radial Nerve (Forearm) (R)	21
Sural Nerve (Lower Calf) (R)	22
Tibial Nerve (Knee) (L)	23
Tibial Nerve (Tarsal Tunnel) (R)	24
Ulnar Nerve (Elbow) (R)	25
Ulnar Nerve (Wrist) (L)	26
3. Clinical Applications	27
Common Entrapment Neuropathies	27
<i>Median neuropathies including carpal tunnel syndrome</i>	27
<i>Ulnar neuropathy at the elbow</i>	32
Less Common Entrapment Neuropathies	33
<i>Radial neuropathy</i>	35
<i>Ulnar nerve at the wrist</i>	36
<i>Peroneal neuropathy</i>	38
<i>Lateral femoral cutaneous nerve</i>	39
<i>Ilioinguinal nerve</i>	41
<i>Morton's neuroma</i>	41
<i>Brachial plexus</i>	42
<i>Tarsal tunnel syndrome</i>	46
Other Conditions	46
<i>Sciatic neuropathy</i>	46
<i>Inflammatory conditions</i>	47
Other Uses	49
Nerve Blood Flow	50
<i>References</i>	55
<i>Index</i>	59