Section 1 - Introduction to Ultrasound Imaging

- 1 Ultrasound
- 2 Speed of Sound
- 3 Attenuation
- 4 Reflection
- 5 Beam Width (Slice Thickness)
- 6 Anisotropy
- 7 Spatial Compound Imaging
- 8 Doppler Imaging
- 9 Ultrasound Transducers
- 10 Transducer Manipulation
- 11 Needle Imaging
- 12 Approach and Techniques
- 13 Sonographic Signs of Successful Injections
- 14 Ultrasound-Guided Continuous Peripheral Nerve Blocks
- 15 Three-Dimensional Ultrasound

Section 2 - Structures

- 16 Anatomic Structures
- 17 Skin and Subcutaneous Tissue
- 18 Peripheral Nerves
- 19 Muscle
- 20 Tendons and Ligaments
- 21 Arteries
- 22 Veins

23 Bone
24 Pleura
25 Peritoneum
Section 3 - Upper Extremity Blocks
26 Lymph Nodes
27 Supraclavicular Nerve Block
28 Interscalene and Supraclavicular Blocks
29 Phrenic Nerve Imaging
30 Dorsal Scapular Nerve Imaging
31 Suprascapular Nerve Block (Anterior Approach above the Clavicle)
32 Infraclavicular Block
33 Axillary Block
34 Musculocutaneous Nerve Block
35 Forearm Blocks
36 Radial Nerve Block
37 Median Nerve Block
38 Ulnar Nerve Block
Section 4 - Lower Extremity Blocks
39 Lateral Femoral Cutaneous Nerve Block
40 Fascia Iliaca Block
41 Femoral Nerve Block
42 The Adductor Canal Block
43 Obturator Nerve Block
44 Sciatic Nerve Block

45 Anterior Sciatic Nerve Block

- 46 Popliteal Block
- 47 Posterior Femoral Cutaneous Nerve (PFCN) Block
- 48 Ankle Block
- 49 Saphenous Nerve Block in the Leg
- 50 Deep Peroneal Nerve Block
- 51 Superficial Peroneal Nerve Block
- 52 Sural Nerve Block
- 53 Tibial Nerve Block
- Section 5 Trunk Blocks
 - 54 Intercostal Nerve Block
 - 55 Pectoral Nerve Block (the Pecs Block)
 - 56 Transversus Thoracis Muscular Plane Block
 - 57 Rectus Sheath Block
 - 58 Ilioinguinal and Iliohypogastric Nerve Blocks
 - 59 Transversus Abdominis Plane (TAP) Blocks
 - 60 Ouadratus Lumborum Blocks
 - 61 Thoracic Paravertebral Block
 - 62 Pudendal Nerve Block in Children????????????
 - 63 Neuraxial Block
 - 64 Caudal Epidural Block
- Section 6 Head and Neck Blocks
 - 65 Supraorbital Nerve Block
 - 66 Mental Nerve Block
 - 67 Superior Laryngeal Nerve Block
 - 68 Transtracheal Block

69 Greater Occipital Nerve Block

70 Lesser Occipital Nerve Block

71 Great Auricular Nerve Block

72 Cervical Plexus Block

73 Stellate Ganglion Block (Cervicothoracic Sympathetic Ganglion Block)

Section 7 - Safety Issues

74 Safety: Practical Techniques to Prevent Complications During
Ultrasound-Guided Nerve Blocks

75 Regional Anesthesia in Resource-Constrained Environments

Appendix 1. Self-Assessment Questions: Text

Appendix 2. Self-Assessment Questions: Images

Appendix 3. Advanced Self-Assessment Questions: Text

Appendix 4. Advanced Self-Assessment Questions: Images