



# Acute Care Hemodialysis Orientation Manual and Assessment Tools

## Table of Contents

<i>Introduction</i> .....	5
<i>Acute Care Hemodialysis Orientation Manual and Assessment Tools</i> .....	11
<i>Anatomy and Physiology</i> .....	12
<i>Principles</i> .....	19
<i>Water Treatment</i> .....	21
<i>Equipment and Monitoring</i> .....	27
<i>Troubleshooting Machine Alarms</i> .....	33
<i>Dialyzers</i> .....	55
<i>Vascular Access – Central Venous Catheter</i> .....	58
<i>Vascular Access – Arterio-Venous Fistulas and Grafts</i> .....	61
<i>Vital Signs, Telemetry and Hemodynamic Monitoring</i> .....	66
<i>Patient Assessment</i> .....	72
<i>Complications</i> .....	80
<i>Infection Control</i> .....	94
<i>Dietary Considerations</i> .....	98
<i>Pharmacology</i> .....	101
<i>Patient and Family Education</i> .....	107
<i>Advance Care Planning and End-of-Life Issues</i> .....	111
<i>Documentation</i> .....	114