



### Dialysis Skills Checklist

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Email Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Please select the level that you possess for the skills listed below:

**Key:**

**1=Never performed/No experience**

**2=Limited Experience**

**3=Experienced**

**4=Proficient**

**5=Ability to Supervise and Teach**

**EARLY RENAL FAILURE**

<b>Regulatory Function of Normal Kidney</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Fluid Balance					
Electrolyte Balance					
Excretion of Waste Products					
Blood Pressure Control					
Blood Cell Productions					
Results of Renal Failure (production of waste products; electrolytes & resulting symptoms)					

<b>Treatment of Chronic Renal Failure as seen in Dialysis Unit</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Diet Restrictions					
Fluid Restrictions – Relationship of Diet/Fluid Intake to Weight Gain/Blood Chemistry					
Fluid Restrictions – Relationship of Treatment & Symptoms					

<b>Medications</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Antihypertensives					
Anticoagulants					
Phosphate Binders					
Digitalis Preparations					
Iron Supplements IV and PO					
Erythropoietin					
Vitamin D Replacement					
Vitamins					

<b>Treatment Modalities</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Hemodialysis; Definition, Function & Limitations					
Peritoneal; Definition, Function & Limitations					
Transplantation; Definition, Function & Limitations					

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## DIALYSIS THEORY

<b>Osmosis &amp; Diffusion Across Semi-Permeable Membranes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
The Dialyzer Membrane					
Dialysate – Composition					
Dialysate – Concentration Gradient					

<b>Ultrafiltration</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Definition					
Pressure Gradient, as related to different dialyzers					
Osmotic Gradients					
Hydrostatic Pressure					
Blood Flow as it relates to clearances					

<b>Blood Flow as it Relates to Hemodialysis Accesses</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Fistulas					
Grafts					
Central Venous Catheters					
Care of an Access; All Types					

## TECHNICAL SKILLS

<b>Machine Set-UP</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Definition of Machine Components					
Identification of Supplies Used					
Maintenance of Sterility					
Preparation of Dialysate					
Proper Set-Up of Supplies					
Onto Machine (Cobe-C3)					
Priming Testing of a New Dialyzer					
Priming & Testing a Reprocessed Dialyzer on Cobe-C3					

<b>Initiation of Dialysis</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Final check of Machine Alarms					
Conductivity Check of Dialysis					
Patient Assessment					
Cannulation Technique					
Catheter Connection Technique					
Patient Connection to Blood Lines and Initiation of Treatment					

<b>Monitoring Dialysis of Treatment</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Clotting Times					
Blood Pressure and Vital Signs					
Heparinization – Continuous Infusions					
Heparinization – Minimum Doses					
Blood Flow Rate, Pump Usage					
Dialysate – Appearance					
Dialysate – Flow					
Dialysate – Temperature					
Dialysate – Conductivity					

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<b>Monitoring Dialysis of Treatment (Cont'd.)</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Extracorporeal Negative Pressure (NP)					
Extracorporeal Positive Pressure (VR)					
Extracorporeal Transmembrane Pressure (TMP)					

<b>Completion of the Dialysis Treatment</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Returning Blood					
Access Needle Removal					
CVC Dressing Change					
Care of Access Sites					
Patient Assessment					

<b>Machine Shutdown</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Cleaning the Machine					
Acid Rinse					
Bleaching					
Disinfection					

<b>Technical Problems During the Treatment</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Negative Arterial Pressure - Needle Placement					
Negative Arterial Pressure – Clotting					
Positive Pressure – Needle Placement, Line Linking					
Positive Pressure – Clotting					
Dialyzer Malfunction Prior to Dialysis					
During Treatment Dialyzer Leak					
During Treatment Dialyzer Rupture					

<b>Patient Complications on Dialysis</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Hypotension					
Hypertension					
Cramping					
Pyrogen Reaction					
Air Emboli					
Headache/Seizure					
Cardiac/Pulmonary Arrest					
Hemodialysis					
Treatment of Complications					
Standing Orders					

## CHARTING

<b>Dialysis Care Plans</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Patient Care Plan					
Short Term Care Plan					
Long Term Care Plan					
Hemodialysis Treatment Record					
Nursing Assessment					
Dialysis Treatment Record (Kardex)					

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<b>Chart Forms</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Physician Orders/Cor Status					
Progress Notes/Problem List					
Medication Sheet					
Action Flow Sheet					
Erythropoietin Flow Sheet					
HCFA Forms					
Miscellaneous Chart Forms					
Daily Charge Log and Forms					
Monthly Treatment Log					
Quality Assurance Forms					

<b>Machine Maintenance</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Culture Procedure					
Disinfecting Procedures Rinse and Residual Test					
Cleaning/Replacing Filters					
Testing Dialysate Conductivity					
Testing Dialysate Temperature					

#### **CENTRAL BICARBONATE DELIVERY SYSTEM**

<b>General</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Start-Up					
Shut-Down					
Mixing Bicarbonate Solutions					
Analysis of Bicarbonate					
Activating Alarm					

#### **CENTRAL ACID DELIVERY SYSTEM**

<b>General</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Checking Level					
Changing Drums					
Activate Alarm					

#### **DIALYZER REPROCESSING OPERATION**

<b>General</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Start-Up; Checks, Verification of Disinfectant					
Operation; Logs					
Dialyzer Testing					
Labeling					
Storing of Dialyzers					

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**AGE- APPROPRIATE CARE:** Ability to adapt care to incorporate normal growth and development, adapt method and terminology of patient instructions as it relates to the age and comprehension level of the patient, and to ensure a safe environment- reflecting specific needs of the patient and various age groups.

<b>Age</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Newborn (birth- 30 days)					
Infant (30 days- 1 year)					
Toddler (1- 3 years)					
Preschooler (3- 5 years)					
School Age (5- 12 years)					
Adolescents (12- 18 years)					
Young Adults (18- 39 years)					
Middle Adults (39- 64 years)					
Older Adults (64+ years old)					

**Initials** \_\_\_\_\_

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