



Rancho Los Amigos National Rehabilitation Center

DEPARTMENT OF NURSING

ADMINISTRATIVE POLICY AND PROCEDURE

SUBJECT: Dialysis Services

Policy No.: A190
Supersedes: Updated
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PURPOSE:

To provide optimal nursing and medical care to patients requiring acute or chronic hemodialysis or peritoneal services in the inpatient setting.

POLICY:

Rancho Los Amigos National Rehabilitation Center (RLANRC) will utilize registry services or in-house nursing staff to perform dialysis treatments.

RLANRC dialysis nursing staff will successfully complete the required training and competency.

All dialysis orders and treatment will be at the discretion of the nephrologist.

PROCEDURE:

- I. RLANRC Dialysis RN Education and Competency
 - a. Validated Dialysis training and competency
 - b. Complete initial and ongoing mandatory competency/skills/updates
- II. Registry dialysis RN Competency
 - a. Complete required orientation
 - b. Complete initial and ongoing mandatory competency/skills/updates and ensure all forms are submitted to NRO
- III. Roles and responsibilities
 - a. Nephrologist
 - i. Obtain informed consent prior to initiating new, first-time hemodialysis therapy
 - ii. Ensure proper access is patent and cleared
 - iii. Provide all the dialysis orders including prn orders
 - b. Primary Registered Nurse (RN)
 - i. Check labs
 - ii. Verify consent is complete
 - iii. Ensure daily weights are done and documented before and after dialysis and as ordered
 - iv. Provide hand-off report to the dialysis RN
 - v. Upon completion of treatment, receive hand-off report from hemodialysis RN
 - vi. Provide patient education
 - c. Dialysis RN
 - i. Report to the Nursing Resource Office (NRO)
 - ii. Validate dialysis orders

- iii. Check vital signs, labs result and appropriateness of treatment
- iv. Clarify orders with a nephrologist as needed
- v. Pick up equipment and supplies from the designated area
 - 1. Ensure equipment and supplies are clean/sterile and secure
- vi. Comply with all applicable RLANRC policies and procedures such as:
 - 1. Care of the access port and site
 - 2. Maintenance/operation of equipment and supplies
 - 3. Documentation of vital signs, medications, treatments, and notes
 - 4. Infection control prevention practices
- vii. Completes dialysis treatment according to the standards of practice and within their scope
- viii. Provide patient education
- ix. Provide handoff report to primary RN
- x. Dispose of waste products appropriately and perform post-dialysis machine maintenance.
- xi. Return clean equipment and supplies to the designated area
- xii. Complete unit evaluation and submit to NRO
- xiii. The Registry dialysis RN will perform the following when providing a treatment:
 - 1. Sign in on the “Dialysis RN Sign-In Sheet” in NRO
 - 2. Clock in on the Non-County Workforce Member’s daily time record
 - 3. Print the agency documentation form, place a label, and file it in the miscellaneous section of the paper light chart.
 - 4. Upon completion of treatment, clocks out on the daily time record and attaches the invoice/billing sheet to the daily time record and signs out on the “Dialysis RN Sign-In Sheet”.
- d. Dialysis Technician
 - i. Maintain dialysis equipment per manufacturer’s recommendations
 - ii. Inventory, order, and restocking of supplies
 - iii. Cleans, sterilizes, sets up, monitors, adjusts, and test dialysis machines and accessory equipment used in the treatment of patients with acute renal failure or end-stage renal disease.
 - iv. Collects water and dialysis solutions samples and sends them to the laboratory for analysis on a monthly and PRN basis. If standards are not met, then the technician will sanitize the equipment and will send additional samples as required.
 - v. Monitors central dialysate supply system by observing and adjusting meters and gauges to maintain the proper degree of conductivity and temperature of the dialysate solution being delivered to the individual dialyzers.
 - vi. Cleans and sterilizes dialysis equipment after each use. This may include disassembling systems, discarding and replacing membranes or dialyzers, sterilizing by flushing with various chemical solutions and treated water, including priming with fresh saline or vinegar.
 - vii. Monitors the function of the dialysis equipment during treatments and corrects issues that could affect treatment delivery. This may include repositioning blood, dialysate and power lines, lubricating moving parts, repairing air and blood leaks by tightening connections or replacing faulty tubing sections, and when necessary, replacing malfunctioning components with reserve units.

viii. Communicates the Hemodialysis RN regarding dialyzer selection and its functioning before and during treatments.

IV. Complications Interventions

- a. Assess patient, perform interventions, and administers prn medications as ordered.
- b. Stop treatment and notify Nephrologist and provider
- c. Notify primary RN
- d. Document all interventions provided in electronic medical record (EMR)

V. Patient Education

- a. Signs and symptoms to report during and after dialysis
- b. Instruction on securing and protecting access port
- c. Importance of intake and output
- d. Importance of daily weights
- e. Document all education given in the EMR

References:

Updated Policy A190-Hemodialysis Contract Services-NEW name Dialysis Services
DHS Policy Contract Program Policy #160
Patient Service Contract Policy #161
FMS Inpatient Services Policy and Procedure Manual Volume I, 3-25-16

Association for the Advancement of the Medical Instrument. *Dialysis: A Complex Modality for Life*. Retrieved 5/26/23

Association for the Advancement of the Medical Instrument. *Sterilization Central: Water Quality in medical device Processing: The power of prevention*. Retrieved 5/26/23.

Association for the Advancement of the Medical Instrument: ISO 23500 Series: *Ensuring Quality of Fluids for Hemodialysis and Related Therapies*

Association for the Advancement of the Medical Instrument: *The Microbial World and Fluids in Dialysis*

CDC. *Recommendations for Preventing Transmission of Infections among Chronic Hemodialysis Patients*.

Fresenius Medical Care. Operator's Manual 2008T Machine Operator's Manual P/N 490122 Rev Z

Lippincott Procedure. *Hemodialysis Patient Assessment* Retrieved 5/26/23.

Los Angeles General Medical Center. Policy Hemodialysis Unit, Unit Structure Standards. Emergency Disconnect Procedure, Addendum H. Last revised 04/2020

Olive View Medical Center Department of Nephrology Policy and Procedure. Policy Number 11772, revised 07/03/23.

Rancho Los Amigos Infection Prevention and Control Policy number IC100

Rancho Los Amigos Policy C109-*Transfusion of Blood Products and Colloid Solution*

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