



Dialysis: Surveyor Eyes

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WELCOME

- Dialysis is complex
 - What is it?
 - Environment
 - Supplies
 - Water Quality
 - Machines
 - Patient
 - Staff
 - Questions?



AAMI, CDC, Instructions for Use (IFU) Policies, Competency

- AAMI: Association for the Advancement of Medical Instrumentation
- **CDC**: Guidelines, Recommendations, and Resources
- Establishing chemical standards for water used in dialysis including equipment and processes
- Devices used for storage and distribution of the water
- Threshold levels of water contamination
- IFU: Instructions for use: guide how the item/equipment is used and cleaned



Dialysis







Dialysis

- Kidney failure
- Artificial process:
 - Eliminate waste & toxins
- Filtering
- Control of blood pressure and electrolytes

Main Parts of the Hemodialysis System

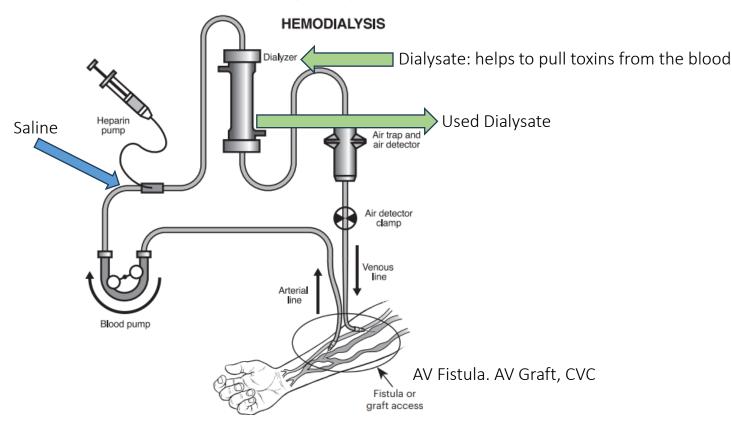


Image: https://www.kidney.org/content/what-hemodialysis

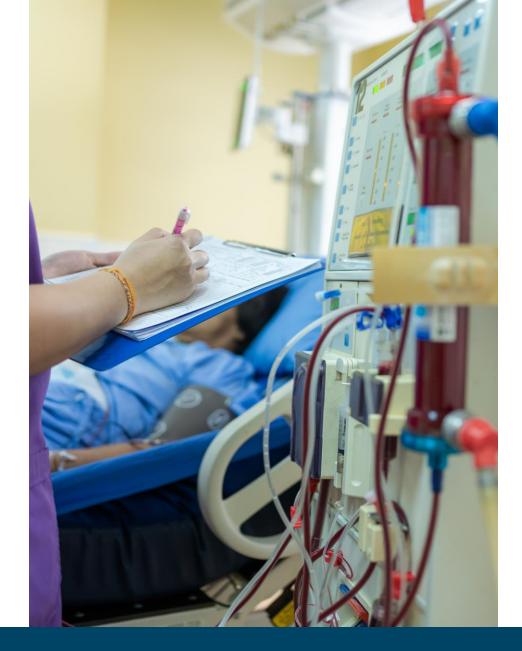




Dialysis

Dialyzer (filter)

- The key to dialysis:
 - Section for dialysate and section for blood
 - Divided by a semipermeable membrane which does not allow blood to pass through





Environment







Environment

- Location
- In Dialysis unit vs patient room
- Proper spacing for privacy
- Proper spacing for infection prevention





General Environment

- Exit signs
- Fire extinguishers
- Gas shut off panels
- Oxygen Cylinder Storage
- Storage in hallways (is this area designated a suite on LS drawings)
- Air Pressure:
 - Is Dirty Utility room negative pressure?
- Patient Bathrooms: Not often needed:
 - How do you get the door unlocked?
 - Is bathroom emergency pull cord wrapped around grab bar?
- Where are sharps bins and hazardous waste bins located?



Eye Wash

- Corrosive Chemicals: Bleach
 - OSHA
 - Eyewash stations and emergency showers are flushing devices required in locations where workers are handling injurious corrosive or caustic chemicals.









Eye Wash

- Accessible locations that require no more than 10 seconds to reach. The eyewash shall be located on the same level as the hazard and the path of travel shall be free of obstructions (no doors) that may inhibit its immediate use
- Identified with a highly visible sign
- Area around the eyewash shall be well-lit and no obstructions to use
- Supply of flushing fluid to produce the required spray pattern for a minimum period of 15 minutes, 1.5 liters per minute
- Fluid is tepid, 16° to 38° Celsius (60° to 100° Fahrenheit)
- If shut off valves are installed, provisions shall be made to prevent unauthorized shut off
- Once activated the valve shall remain open without requiring further use of the operator's hands (single action operation)















Surveyor Eyes

- Eye wash can't be easily reached
- Eye wash can't be used hands free in this location
- Waste water into sink where eye wash is located
- Waste water into hand washing sink (soap/towels)
- Black substance on waste pipe





Surveyor Eyes

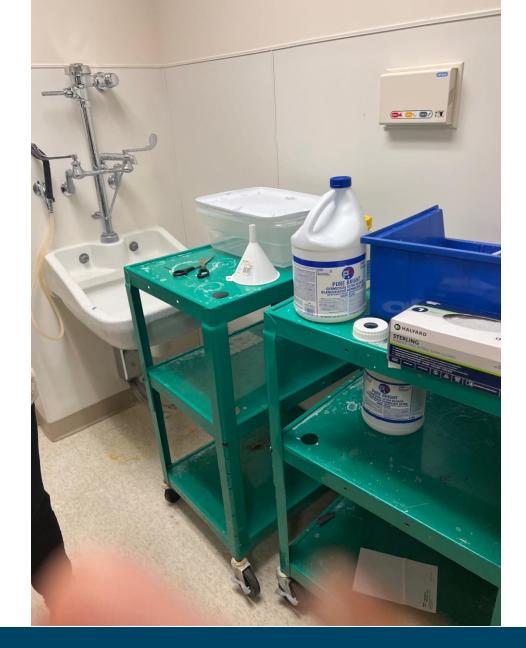








No eye wash station and bleach is in use

















Surveyor Eyes

- Single nozzle for eye wash
- Can't provide 15 minutes of continuous flush to both eyes













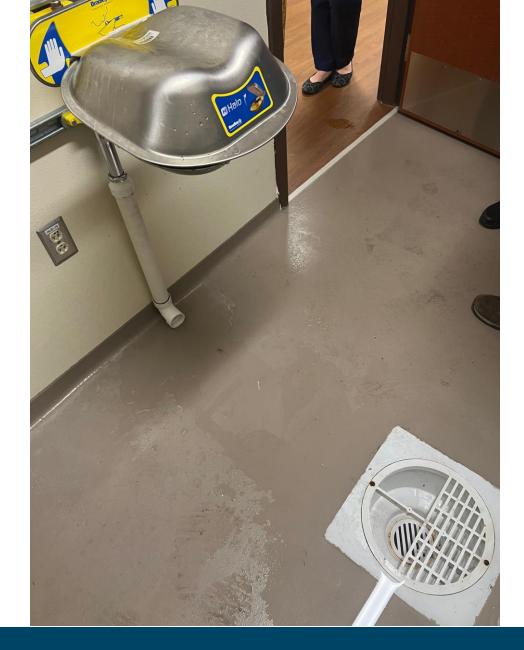


Surveyor Eyes

- Eye wash flow of water did not dislodge protective caps
- "No handwashing" sign but soap available
- If "no handwashing", sink is considered dirty. Cannot have eye wash in a dirty sink





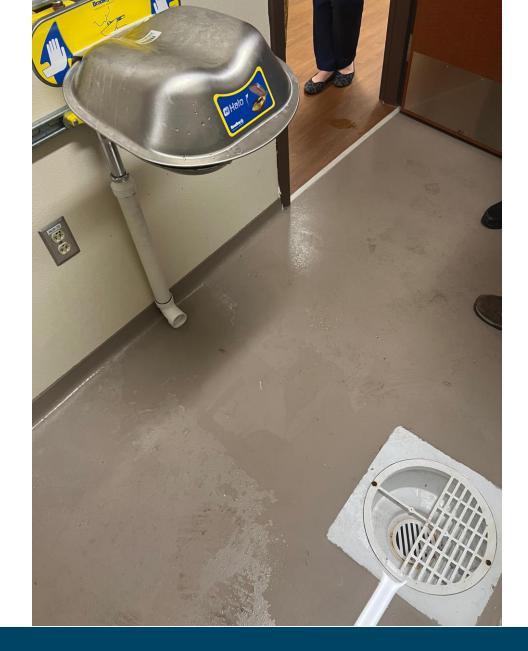








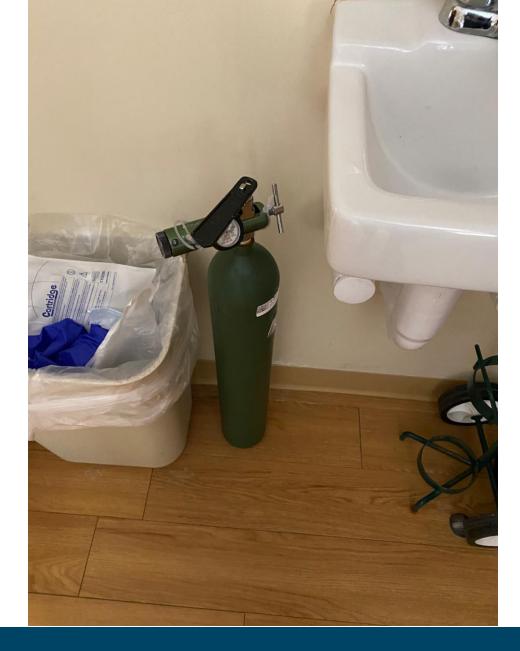
When eye wash is activated, water will flow onto the feet of person using the eye wash!









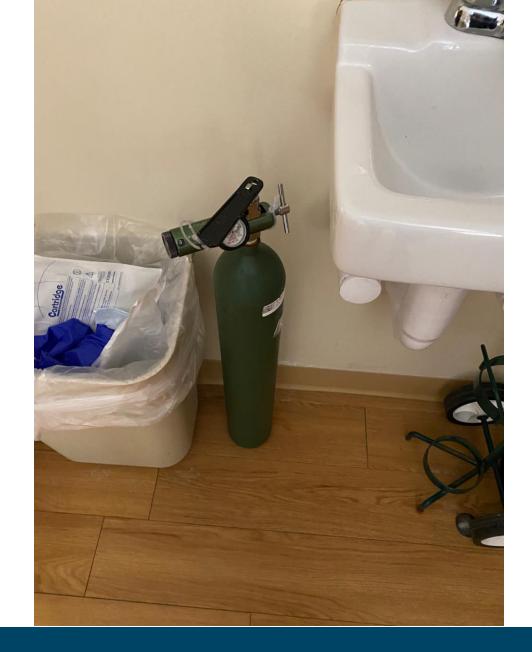








Unsecured oxygen cylinder

















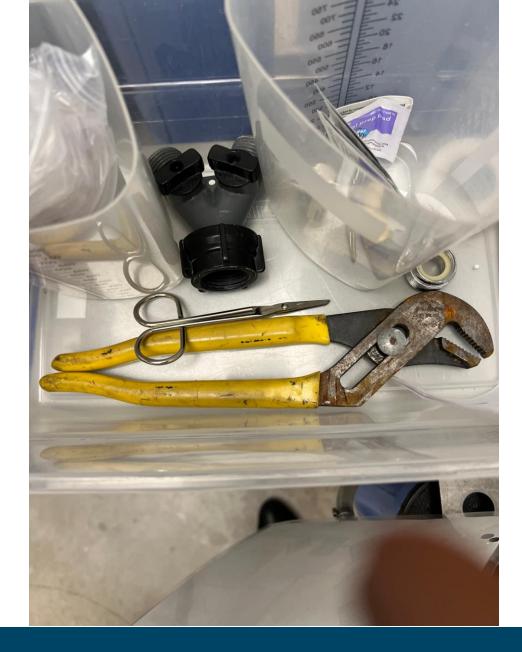
Water leak: standing water on the floor of the water treatment room











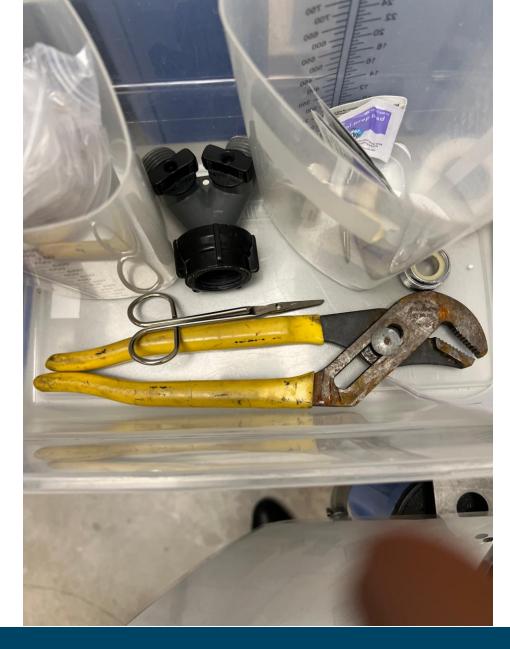






Surveyor Eyes

- Rusty equipment used at the patient bedside
- Single use scissors
 - There is no IFU to clean after use













Blocked electrical panels

















Blocked gas shut off panels







Ask Staff

- Emergency Management Plan?
 Alternative source of utilities including water supply
- Information/EMR Downtime procedures?
- Preventive Maintenance (PM)?
- Are alarms functioning properly and how are they tested?





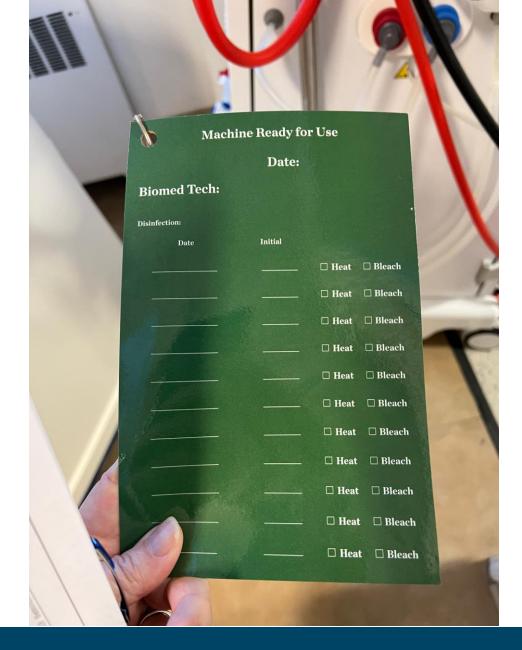








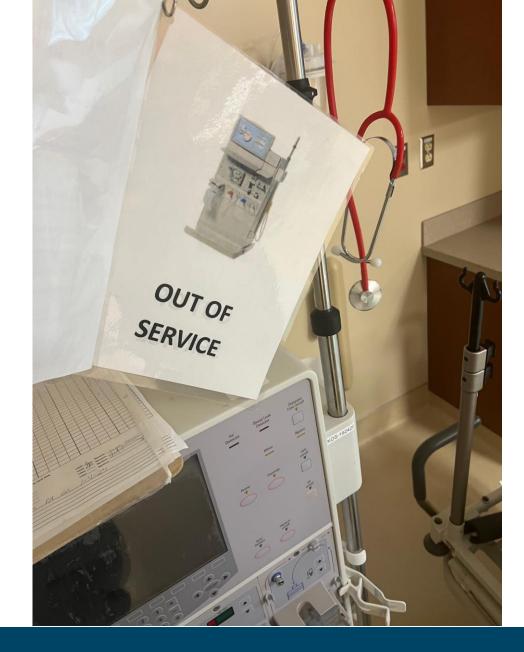
The machine tag was blank and not filled out







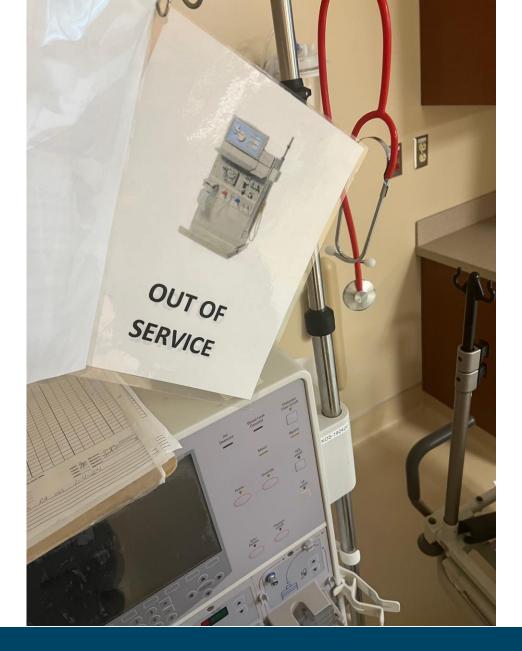






Surveyor Eyes

- Machine labeled as "Out of Service" was in use
- Ask: Is there a process to identify a machine as "out of service"



Patient Bathroom Dialysis Set-up

- Bedside: Patient Bathroom Set-Up
- Trip and fall hazard
- Sink: Dedicated for that purpose during treatment: disinfected after treatment
- Use of Toilet: Need air gap between end of hose and water in toilet
- Privacy and use of bathroom can be an issue if the patient is in a double room







What do you see?







Free standing and unsecured tanks can easily fall over





Surveyor Eyes

- Are patients spaced enough to allow for Infection Prevention guideline implementation?
- Where is the location of the hand washing sinks or alcohol dispensers?
- Is there an eyewash that can provide 15-min of flush where bleach is used?
- How is eyewash tested and how often? Does water dislodge caps? Can staff activate the eyewash and can speak to 15-min flush needed?
- Are extinguishers, gas shut off panels or electrical panels blocked?
- Are dirty utility rooms negative air pressure?
- If dialysis set up is in patient room: is there a trip hazard, how will sink be cleaned after use, if waste goes into toilet: is there an air gap for safety?



Supplies







Testing for Conductivity, pH, and Temperature

- Phoenix Meters & Myron Meters:
 - Verification of Conductivity, pH and Temperature
 - Checked prior to every treatment
 - Calibration Solutions: (Calibration Daily)
 - Each type of solution has a specific beyond use date
 - 30 days or 90 days from opening
 - Must be dated appropriately
- Even if the dialysis machine displays these readings, verification is required











Documentation

- Unit was operational on Nov. 20
- No calibration of the Myron meter

wieter Number_	35	Myron L Meter Log			160
Date 1 2	No Treatments	Reading Using 14mS/cm	Calibrate Y/N	Repeat Reading	Month WOVEMV
3 4 5		14.0	N		mes
6 7 8		14.0	N	7.6	M
9 10 11	1	4.0	N		Mark.
12 13 14					92:0
15 16 17	given-	no m	eter t	esting	
18					-
20 21 22					
23	14.0	N		_	HRI
25					







Surveyor Eyes

- How is conductivity, pH and temperature measured?
- Is the machine for testing calibrated each day used?
- Where are the results documented?
- How are the different types of conductivity solutions for calibration dated once opened?
- Are the bottles that require it, dated with 3 months or 90-day expiration per the IFU?
- Is conductivity/pH checked prior to each treatment? Where is this documented?
- What would you do if the machine result and the independent test did not match? Is there a policy for this?



Test Strips

- Water Hardness
- Disinfection Chemicals
- Blood Leak
- PH
- Total Chlorine





Images: rpc-rabrenco.com, dialmedsupply.com/serim/index.html

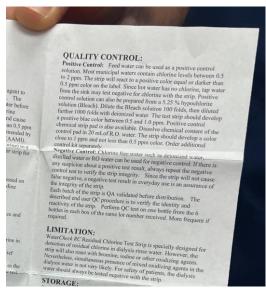


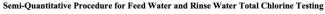


Test Strips

- Instructions for Use
- Expiration Date
 - Manufacturer's vs BUD once opened
- Dip Time and Read Time
 - Is a timer used?
- Quality Control (QC)
 - On-line
 - Requires testing
 - Included with product
- Is color comparison chart used?







- Verify the test strips have not expired.
- 2. Rinse standard sample cup provided with water to be tested. Re-fill with approximately 20ml of test water
- Remove a test strip from container and close container immediately after removing a strip. Do not touch test pad at the end of the strip.
- 4. Immerse indicator pad of test strip in sample water and vigorously move back and forth for 10 seconds. See Figure 1. (Approximately 30-35 back and forth strokes in 10 seconds.) The indicator pad must be perpendicular to the direction of the strip movement.
- Remove strip from water, do not shake. Wait a full 30 seconds. While waiting, fold the white plastic handle of the test strip under the aperture (as in Figure 2 below) so that it provides a consistent viewing background.

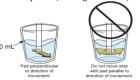




Figure 2

After the 30 second wait period, immediately compare the strip to the K100-0106 color chart to determine the Total Chlorine level in the sample.

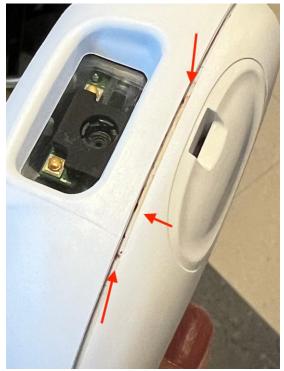
Images: https://rpc-rabrenco.com/products/



Glucometer

- What are the IFUs for cleaning and disinfecting?
 - Some manufacturers require a twowipe method:
 - 1st wipe to clean the device
 - 2nd wipe to disinfect
 - What product is used for cleaning & disinfecting?
 - Are they allowed per the IFU?

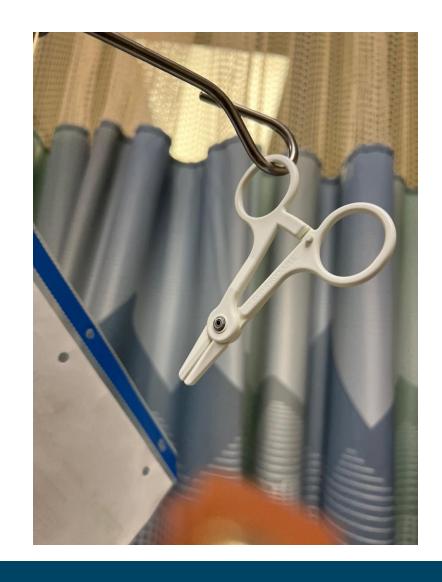




Plastic Clips

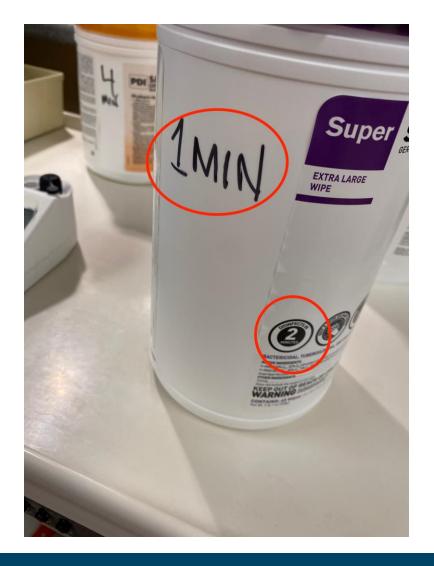
- What are the IFUs?
 - Disposable?
- How are they cleaned/disinfected?
- How is the solution made?

- Ask staff how they use them and how they clean them.
- Ask staff if they know what the instructions for use are.



Sani-Wipes

- The IFU instructs on a wet/contact time for the product to fully kill bacteria
- Not a "dry time"







What do you see?









Clean supplies stored in a biohazard bag; indicates contents are contaminated.









What do you see?









Expired supplies









Surveyor Eyes

- What type of test strips are used?
- What is expiration date? Does it require a new date once opened?
- What is dip time/swish time and when can the strip be read?
- What are the QC expectations?
 - Does staff perform a test?
 - Does the company have a download on the website?
 - Is the QC included in the package?
- How are staff trained to use the test strips?
- Where are the results documented?
- Are the results documented within the allowable parameters?





Surveyor Eyes

- Can staff speak to how the glucometer is cleaned per the IFU?
- Can staff speak to the wet/contact time for the Sani-wipes?
- Are clean dialysis supplies protected from potential contamination?
- Are supplies taken to patient treatment station not disposed of after use, disinfected after use or dedicated to single patient use?
- Are disposable (single-use) supplies discarded after use?
- Are clean items identified as biohazard?





What do these symbols mean?









What do these symbols mean?



Single Use: Disposable Item



Expiration Date



Water Quality



https://www.ameriwater.com/products/sample-port-wall-box/





Water Treatment

- Most important piece of the dialysis process
- Can't use tap water straight from the faucet
- Three Steps:
 - Pre-Treatment
 - 2. Purification
 - 3. Distribution Loop



Step 1: Pre-Treatment

- Public supply of Water:
 - Has additives/preservatives/chlorine added
- Requires purification prior to use for dialysis
- Filters:
 - 1. Softener: removal of minerals, etc.
 - 2. Carbon tanks: removal of chlorine/chloramine



Step 2: Purification

- Accomplished by the RO
 - (Reverse Osmosis) Machine
- Everything before RO is the pre-treatment
- RO is the purification step: Removes inorganic and organic material
- Bacteria and Endotoxins



Step 3: Distribution

- Distribution Loop:
 - Brings the purified water to the dialysis treatment area
- All the pipes/tubing the purified water travels through to reach the dialysis machine and a chair



Water Testing

- Annually:
 - AAMI Water Analysis: (some organizations test every 6 months)
- Monthly:
 - Water Cultures & Endotoxin Testing
- Total Chlorine:
 - Central Water: Beginning of day and every 4 hours (every machine)
 - RO: After machine has run for 15 minutes:
 - Prior to treatment
 - Every 4 hours (if treatment reaches 4 hours)
 - Testing location: post carbon tank but pre-RO
- Residual Bleach:
 - After disinfection of machine
 - Daily (as a double check prior to first treatment)



Culture & Endotoxins: Testing Parameters

- Cultures: Water & Dialysate
 - Acceptable: > 50 CFU/ml
 - Action level 50-199 CFU/ml (continue but plan)
 - Unacceptable 200+ CFU/ml (stop dialysis)
- Endotoxins:
 - Acceptable: below 1
 - Action Level: 1-2
 - Unacceptable. 2+



Water Treatment Disinfection

- Water Treatment System:
 - Disinfection at least monthly or per IFU
 - Some ROs have heat disinfection: if so, may be required weekly or per IFU
- RO loops (plumbing): monthly
- If the culture/endotoxin results are elevated, is the water treatment system disinfected more frequently?
- Storage Tanks: per the IFU



Dialysis Wall Boxes and Drains





Dialysis Safety

Dialysis Wall Boxes and Drains

Dialysis wall boxes are frames recessed into the wall at each hemodialysis station that contain connections for the dialysis machine to receive acid and base concentrates and treated water, and dispose of waste products.

There are several infection prevention and control issues unique to wall boxes. They can become easily contaminated with microorganisms, which can subsequently be transferred to dialysis patients, a vulnerable group at high risk of infection.

Thus, wall boxes need to be cleaned, disinfected, and properly maintained to decrease risk of patient infections.

Wall boxes contributed to a large number of infections in patients on dialysis in this outbreak: Multicenter Outbreak of Gram-Negative Bloodstream Infections in Hemodialysis Patients [PDF – 10 pages] 🗹 . Summarized in the table below are infection prevention and control issues identified during the outbreak investigation, and recommended strategies for infection prevention.



https://www.cdc.gov/dialysis/guidelines/wall-boxes.html





Dialysis Wall Boxes

- Patient Rooms/Dialysis Unit:
 - Water Supply and Drain
- Typically connected to regular water supply and then connected to the dialysis machine through a portable reverse osmosis (RO) system. This fixture is essentially a faucet with a dead leg.
- The risk of not periodically flushing this fixture could result in stagnate water. Wall boxes need to be cleaned, disinfected, and properly maintained to decrease risk of patient infections.
- Can be easily contaminated with microorganisms, which can subsequently be transferred to dialysis patients, a vulnerable group at high risk of infection.
- These water box fixtures should be included in your Utilities
 Maintenance Program and Water Management Program and maintained in accordance with manufacturer requirements.







Surveyor Eyes

Water Treatment Process:

- What is the type of water treatment system used?
- Is there a flow chart for the system?

What is each component of the Water Treatment Process?

- What does it do and how do you know it's working properly?
- What tests are performed? (Total chlorine)

Water Testing:

- How often is testing performed for Water Quality?
- What is the policy for allowable parameters?
- Logs? Are there daily and monthly logs required? What is documented?

What happens when testing results are actionable:

- What actions are taken? What types of disinfection are completed?
- Is the machine taken out of service?
- Is there retesting?
- Does the documentation tell the story of the actions taken?







Surveyor Eyes

- How often are cultures and endotoxin tests performed?
- When are the samples collected; before or after disinfection?
- Who collects the samples?
- How are staff trained on appropriate methods for obtaining samples?
- Can you explain the culture/endotoxin report? Are there any values out of range?
- What happens if a test is out of range?
 - Bacterial counts should be less than 50CFU/ml (what is exact number for trending)
 - What are the acceptable endotoxin levels?
- What actions were taken and documented when tests were out of range?



Machines







Machines

- Dialysis Machine
- RO (Reverse Osmosis)
 - Primary method for purifying water for dialysis





Machine Disinfection

- How often are the machines disinfected
 - Heat disinfected daily/after use
 - Per IFU
- IFU: if not used for 48hours+ must be disinfected prior to use
- Chemical Disinfection: (Bleach)
 - At least weekly
 - After treatment to HBV or unknown status
- Acid Clean: (Acetic or Citric Acid) (not disinfection)
 - Prevents build-up of bicarbonate





Inspection

- Connection hoses: how are they maintained?
- Line supplying water from the water: not disinfected when the machine is.
 The line should be replaced annually.



Inspection







FDA Recall



https://www.fda.gov/medical-devices/medical-device-recalls/fresenius-medical-care-recalls-some-hemodialysis-machines-potential-exposure-toxic-compounds



Inspection: Filters

- How often are they changed?
 - o 3 months
 - Manufacturer's expiration
 - Change in pressure-alarm
- How can staff tell if the filter needs changing?



Dialysis Machines: Emergency Process

- If dialysis is being given on the patient unit:
 - Is there a process to follow if the dialysis nurse becomes incapacitated?
 - Do the dialysis machines have an emergency shut down laminated guidance poster?



Wand Disinfection

- Per the IFUs:
 - Bicarb wands are to be disinfected weekly.



https://www.ebay.com/itm/166604018613







- What is the policy for frequency of disinfection of the dialysis machine?
- What do the IFUs for the dialysis machine require for disinfection?
- Is each disinfection cycle documented for each machine?
- Does the log align with the policy/IFU requirements?
- How often are the wands disinfected?



Patient









Surveyor Eyes: Consent

- Consent Policy for Dialysis
 - Not covered with the general consent to treatment
- How often is a consent needed?
- Dated/timed
- Who had informed consent discussion:
 - Risks/benefits/alternatives
- What if patient speaks another language?
- Contracted Staff: how do they know there is a consent: do they have EMR access if consent is scanned





Surveyor Eyes: HBV Status

- How often is the testing required?
- Can results come from outside facility or ESRD center?
- What happens if status is not known at the time of treatment?
- How does the machine log reflect this information?
- If results are from outside, can they be recorded by nurse or is a faxed copy of the results needed?
- How does staff know of Isolation precautions?
- Is there dedicated personnel with immune status?
- How is machine disinfected after care of patient with HBV+ or unknown status?





- Hand off
- Pre-treatment assessment:
 - Policy?
 - What elements are included: vitals, pain, lung sounds, etc.?
- What does vascular site look like?
 - red, warm, tender? Is the port assessment completed?
- During treatment assessment:
 - Policy?
 - What elements are monitored and recorded? Does this follow the policy?
- Education
- Allergies



Orders

- Orders for Dialysis:
 - Are all the components included in the order?
- Is there an order to notify provider: volume ordered cannot be removed, blood pressure actionable parameters
- Protocol for K+ bath?
- Does contracted staff have access to EHR?
- Texting?
- Verbal /Telephone orders?
- Documented VO prior to treatment?
- Hypotension protocol?
- Does the treatment follow the orders?

Treatment Date: Today Monday Tuesday
Wednesday Thursday Friday Saturday Sunday
Treatment Shift: Second Shift Second Shift
Frequency: once
Length of Treatment:2.5hr3hr,3.25hr,3.5hr
3.75hr 4hr Other hr. Blood Flow Rate (mL/min): 250 300 350 400
Blood Flow Rate (mL/min):250300350400
450 500. Other:
Dialysate Flow Rate (mL/min):5008001.5x Blood Flow
Rate Other:
Dialyzer:Optiflux 180, Other
Dialysate Bath: 2K 2.5CA 3K 2.5CA 4K 2.25Ca1K
2.5CA 3K 3CA 2K 2CA Citrate 1K 2.5CA Citrate 2K
2.5CA Citrate 3K 3CA Other:
Ultra Filtration:1 L/tx,1.5 L/tx,2 L/tx,2.5 L/tx,
3 L/tx, 3.5 L/tx 4.5 L/tx other:
Use Heparin: Yes or No
Access Type/Location: (check appropriate blank)
AV Fistula:Brachial RBrachial LForearm R
Forearm L
AV Graft:Brachial RBrachial LForearm RForearm
Chest Left Chest Right
Femoral Graft: Right Left
Tunneled Cath: IJ Right IJ Left Femoral RFemoral
Temporary Catheter: Femoral R Femoral L
Other Dialysis Access:
Patient has new Access site:NoYes
Access Needle Size: 15g 16g 17g,
Other:
Isolation Status: Droplet Precautions Contact Precautions
Airborne Precautions Special Organisms, Other
Order Comment: Hold ultrafiltration if SBP less than .

https://www.methodistmd.org





Checklist for Dialysis Start

- Start of treatment:
 - Two patient identifiers
 - Patient consent
 - Correct equipment
 - Provider orders
 - Hep B status
 - Vascular access verified and secured
 - Time of treatment
 - Any questions or concerns





Surveyor Eyes: Policies

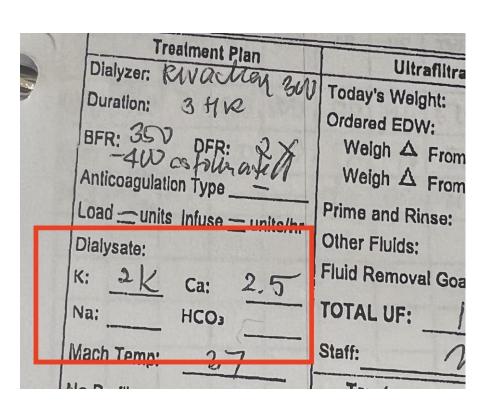
- Do the contracted staff follow hospital policies or dialysis company policies?
- Have the policies been adopted/approved by hospital?
- Are policies available to the dialysis nursing staff?





Surveyor Eyes: Documentation

- Is the treatment documented?
- Does it follow the order?
- Are all the assessment elements documented?
- How is the patient assessed for pain?
 - What if they are non-communicative:
 - What scale is used
- Care plan updated?
- Is the contracted dialysis documentation available in the record? All information about the patient's care must be accessible to all care givers.

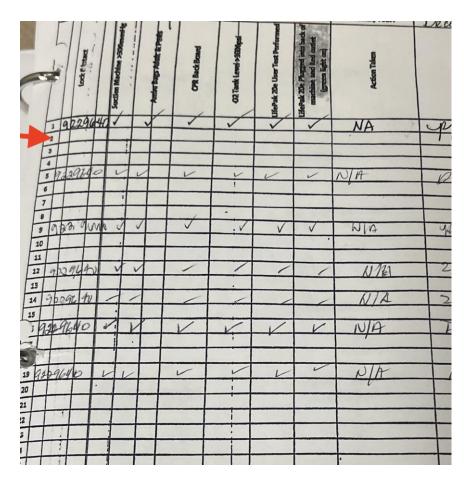






Surveyor Eyes: Code Cart

- Is there a Code Cart?
- How and when is it checked?
- How are contracted staff oriented to the cart and equipment?
- Do Staff know how to:
 - Call Rapid Response?
 - Call Code?



CDC Tools

Hemodialysis Central Venous Catheter Scrub-the-Hub Protocol

This protocol outlines a suggested approach to preparing catheter hubs prior to accessing the catheter for hemodialysis. It is based on evidence where available and incorporates theoretical rationale when published evidence is unavailable.

Definitions:

Catheter refers to a central venous catheter (CVC) or a central line

Hub refers to the end of the CVC that connects to the blood lines or cap

Cap refers to a device that screws on to and occludes the hub

Limb refers to the catheter portion that extends from the patient's body to the hub

Blood lines refer to the arterial and venous ends of the extracorporeal circuit that connect the patient's catheter to the dialyzer

Catheter Connection and Disconnection

- Always handle the catheter hubs aseptically. Once disinfected, do not allow the catheter hubs to touch nonsterile surfaces.
- 5. Attach sterile syringe, unclamp the catheter, withdraw blood, and flush per facility protocol.
- 6. Repeat for other limb (this might occur in parallel).
- Connect the ends of the blood lines to the catheter aseptically.
- 8. Remove gloves and perform hand hygiene.

Disconnection Steps:

- 1. Perform hand hygiene and don new clean gloves.
- Clamp the catheter (*Note:* Always clamp the catheter before disconnecting. Never leave an uncapped catheter unattended).
- 3. Disinfect the catheter hub before applying the new cap using an appropriate antiseptic (see notes).
 - a. (Optional) Disinfect the connection prior to disconnection. If this is done, use a separate antiseptic pad for the subsequent disinfection of the hub.

https://www.cdc.gov/dialysis/PDFs/collaborative/Hemodialysis-Central-Venous-Catheter-STH-Protocol.pdf





CDC Tools

Day: M V	V F Tu Th So t Tool:	a Shift: 1 ^s Arterio v	venous	facility Name: 4th Observer: fistula/gr	aft cann	ulation o	Location w bservation	ithin unit: O ns			/PM
Use a "\	Site cleaned with soap and water	Hand	New, clean	Skin antiseptic applied appropriately	Skin antiseptic allowed to dry	No contact with fistula/ graft site (after antisepsis)	Cannulation performed		Gloves removed	Hand hygiene performed	Comments
Discipline:	P =physician	, N =nurse, T	=technicia	n, S =student, C	D =other						
Duration o	of observation	n period = _	m	inutes	Number	of procedures	performed co	orrectly =			





https://www.cdc.gov/dialysis/patient/index.html

CDC Tools

Checklist: Arteriovenous fistula/ graft cannulation

Clean site with soap and water
Perform hand hygiene (staff)
Put on new, clean gloves
Apply skin antiseptic and allow it to dry
Do not contact site (after antisepsis)
Insert needles aseptically
Connect to blood lines aseptically
Remove gloves
Perform hand hygiene





Checklist: Arteriovenous fistula/ graft decannulation

Perform hand hygiene (staff)
Put on new, clean gloves
Disconnect from blood lines aseptically
Remove needles aseptically and activate needle retraction device
Clean gloves worn (patient and/or staff) to compress site
Apply clean gauze/bandage to site
Remove gloves (staff and/or patient)
Perform hand hygiene (staff and/or patient)



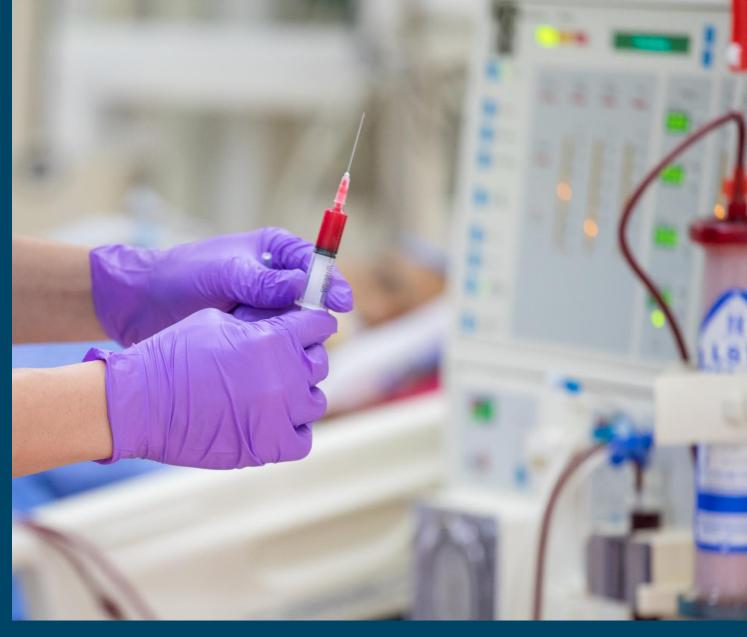


https://www.cdc.gov/dialysis/patient/index.html





Medications







Medication Orders

- Does contracted staff have EMR access: Who pulls mediations from Autodispenser?
 - How do they verify the medications
 - How do they verify the dialysis orders
 - How are additional orders placed
 - How do they document medication administration in MAR?
- Is bolus or flush ordered?
- Are other medications ordered
- Are there orders to hold medications until after dialysis?
- Are medications ordered prn? is there a clear indication for administration
 - If given hourly, can't be ordered as prn





Heparin Orders

- Is heparin a high alert medications: does it require double check per hospital policy?
- Anticoagulant dose administered must match the order

	wiedications (1997)						
[]	Saline Flush	10 mL, Injection, IV Push, PRN, Other, specify in comment, Routine, T;N,					
7724777		Comment: GIVE IN DIALYSIS Flush dialysis line with TEGO connector					
	NOTE: If ordering citrasate dialysis bath DO NOT order heparin.						
	NOTE: if heparin desir	red, please order below					
[]	heparin	2,000 units,injection, Device, Routine, T;N, N/A, Comment: GIVE IN DIALYSIS to					
7 35		prime extracorpal circuit and discard.					
[]	heparin	2,000 units, Injection, Device, Routine, T;N, once, Comment: GIVE IN DIALYSIS at					
[]	heparin	1,000 units, Injection, Device, Routine, T;N, q1hr, PRN: GIVE IN DIALYSIS,					
		discontinue order at last hour of dialysis					

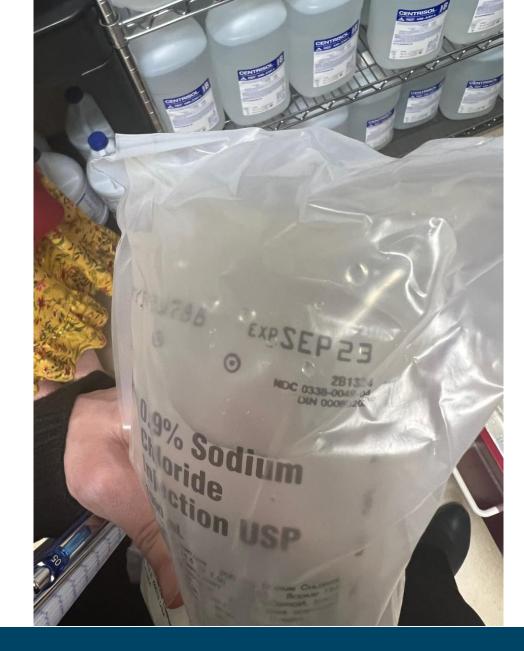
https://www.methodistmd.org







What do you see?

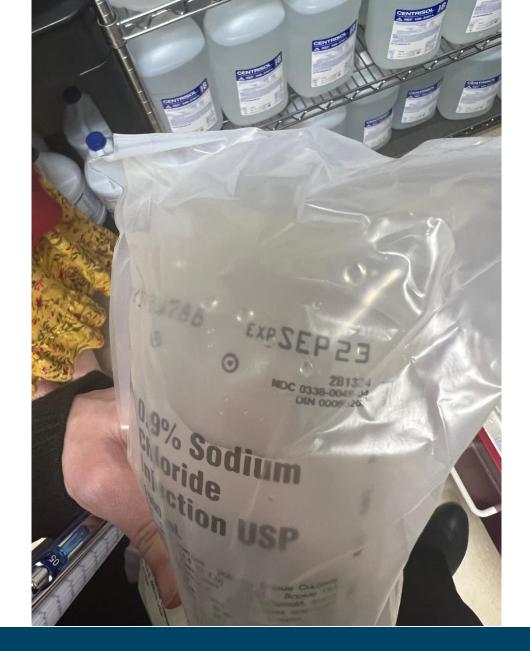








Expired Medications









Can this vial be used for multiple patients?





Vials:

- Single dose vial: Single patient use
- Multi-dose vial; if entering the patient area, must be used as single-dose vial





Surveyor Eyes

- Does contracted staff follow the hospital policy for blood administration or do they follow the contracted dialysis company policy?
- Are vitals recorded per the policy of the hospital?
- Consent for blood obtained?
- How does the two-person verification occur? What is the hospital policy?





What do you see?





 Secure Medication Room door code is written on the door frame



Infection Prevention

Hand Hygiene:

 Anytime equipment, patient or machine in the treatment area are touched: appropriate hand hygiene is needed

PPE:

- Accessing and discontinuation of access.
- When are gown and gloves required? What is the policy?



Staff









Surveyor Eyes: Dialysis Staff

- Sufficient number
- Competency: Qualified to perform duties/responsibilities assigned
 - Own staff vs Contracted staff?
 - Who is assessing?
- Techs:
 - Job description
- Waived testing competency
- BLS/ACLS
- Primary Source Verification of License







Surveyor Eyes: Dialysis Contracts

- Quality performance indicators
- Annual review
- Hospital nursing oversight
- Staff Orientation to hospital
- Staff Orientation to unit:
 - Code carts
 - How to call a code or call rapid response or fire
 - Verbal/telephone process: VORB
 - Do they have access to EMR: Who pulls the meds, who documents administration
 - Reporting adverse events





Questions?





Additional Sources

- Acute Dialysis: Survey Readiness Handbook 2nd Edition, AAMI
- Free CDC webinars for Dialysis Best Practice: <u>https://www.cdc.gov/infectioncontrol/training/safe-healthcare-webinars.html</u>







Thank you

For questions contact: ExpertAdvice@PattonHC.com



