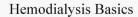
There's more to dialysis than water: what you need to know about dialysis

Sylvia Garcia-Houchins, MBA, CIC University of Chicago Hospitals Infection Control Program

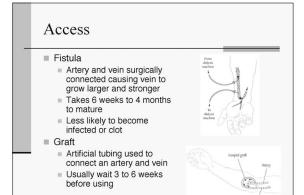
> Hosted by Paul Webber paul@webbertraining.com www.webbertraining.com

Hemodialysis Basics

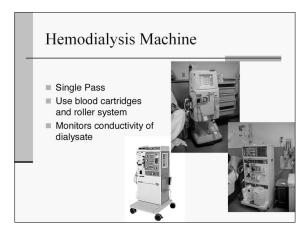
- Access Needles or tubing carry blood to the dialyzer and then return blood
- Dialyzer semi-permeable membrane that removes waste and extra fluid from the blood
- Dialysate –solution that passes through the membrane that pulls waste and extra fluid from the blood.
- Patients usually dialyze 3x per week for 4 5 hours

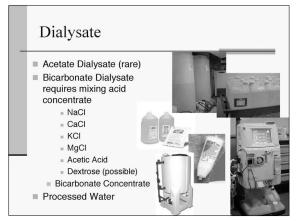


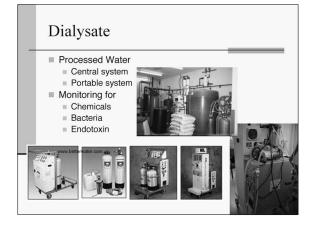
- Aseptic technique is essential
- Do Not Allow opportunities for cross contamination of bacteria or viruses
- Nothing should be done in "batch"
- Hepatitis B can live in dried blood for >7 days



Access Catheter Code National Kidney Foundation Kidney Disease Outcomes Quality Initiative (NKFDOCI) Use of 2% CHG with 70% alcohol for site care preferred Disinfect catheter hubs and caps before removal with 2 swabs Patient and staff wear a mask







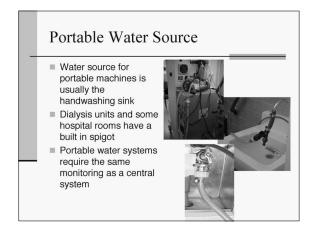
AAMI Water and Dialysate Standards

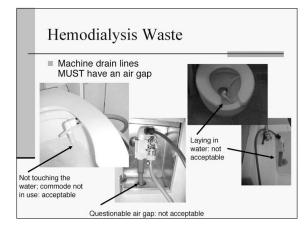
Processed Water

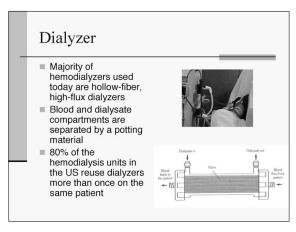
- Total Viable Microbial Count: <200 cfu/ml
- Action limit: 50 cfu/ml
- Endotoxin concentration: 1 EU/mL

Dialysate

- Total Viable Microbial Count: <200 cfu/ml
- Action limit: 50 cfu/ml
- Endotoxin concentration: 2 EU/mL
- Action limit: 1 EU/mL





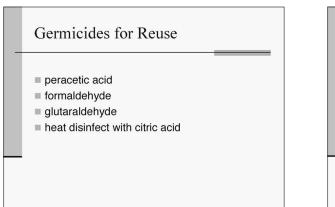


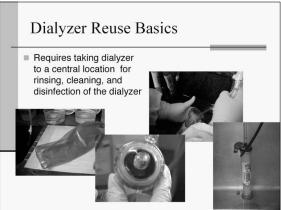
Why Reuse Dialyzers?

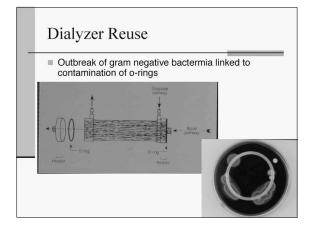
- Reused dialyzers are safe and effective if all standards and requirements are followed
- Reduced hypersensitivity reactions
- Reduces biohazardous waste
- More economical for high flux dialyzers which are more porous and allow larger toxins to pass through

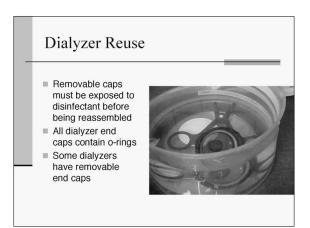
Reuse of Dialyzers

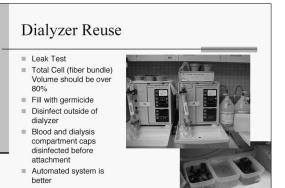
- Must follow the Association for the Advancement of Medical Instrumentation (AAMI) standards and recommended practices for reuse in order to be eligible for Medicare reimbursement
- Patient's must be informed of facilities reuse practices
- 'Complaint Investigation Record' required

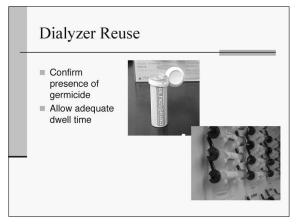


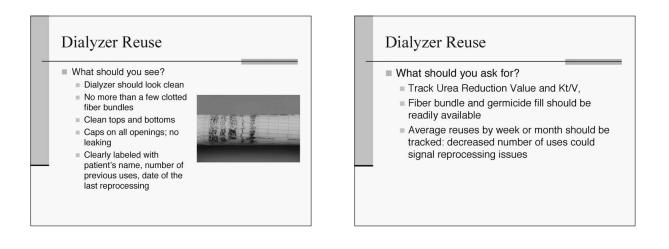


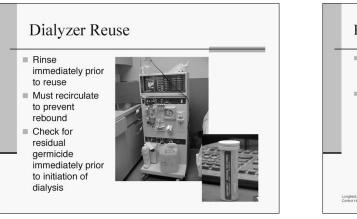


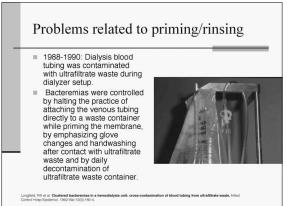






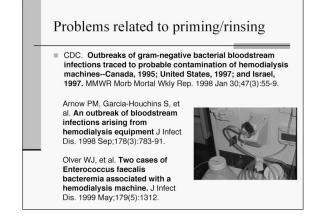


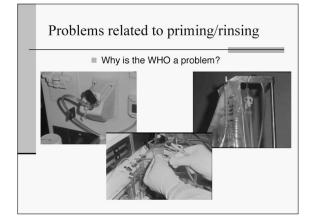


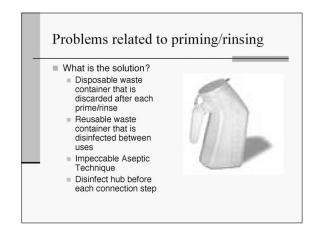


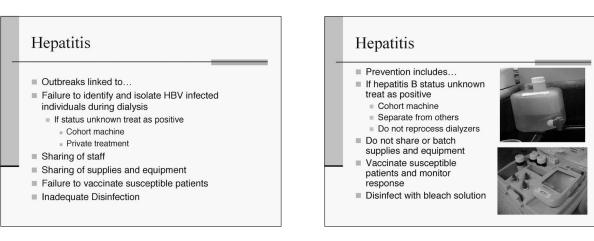


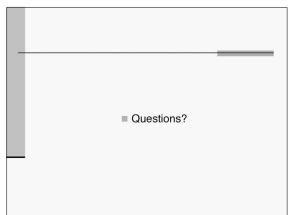
Phoenix® Dialysis System











THE	NEXT FEW TELECLASSES
12 Feb. 09	Listeria, Clostridium difficile, MRSA – The Foodborne Link Speaker: Prof. Keith Warriner, University of Guelph
19 Feb. 09	The "Save Lives: Clean Your Hands" Initiative Speaker: Dr. Didier Pittet & Dr. Cyrus Engineer, World Health Organisation
25 Feb. 09	(South Pacific Teleclass) Friday the 13th – An Outbreak of Invasive Group A <u>Streptococcus</u> Speaker: Julianne Toop, Princess Margaret Hospital, Christchurch
05 Mar. 09	<u>Novice – Basics of Steam Sterilization</u> Speaker: Dr. Lynne Sehulster, CDC
10 Mar. 09	(British Teleclass) Gleaning Gold from Surveillance Data Speaker: Andrew Pearson, Health Protection Agency
12 Mar. 09	<u>Novice – Fundamentals of HAI Definitions</u> Speaker: Robert Garcia, Brookdale University, New York
19 Mar. 09	<u>Novice - Basics of Controlling Device-Related Infections</u> Speaker: Loretta Litz Fauerbach, Shands Hospital, University of Florida
24 Mar. 09	(Free Teleclass) Voices of CHICA – Part 1 Speaker: CHICA-Canada Board Members & Guests
www.webbertraining.com.schedulep1.php	