

Section: Division of Nursing  
Approval: \_\_\_\_\_  
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**PROCEDURE**  
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Issue Date: May 29, 2002  
Reviewed Date: March 12, 2010

HACKETTSTOWN REGIONAL MEDICAL CENTER

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(Scope)

**TITLE: DENTAL CART OPERATION AND WATERLINE ASEPSIS OF DENTAL CART**

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**PURPOSE:** To instruct operating room nurses on use and cleaning of Dental Cart.

**PROCEDURE:** Before Case

1. At start of dental case bring dental cart into room, plug in and put foot pedal on floor.
2. Locate power switch on front of cart and turn to ON position.
3. Open back of cart and turn air regulator to 18 psi.
4. Remove disinfected bottle (this is the bottle already attached to the machine) and fill with room temperature sterile water.
5. Test hand pieces and syringes for water flow by pressing hand piece button down and by using foot pedal.

After Case

1. Create a bottle of disinfectant solution by taking 100 cc of household bleach (5.25% hypochlorite) and mixing with 900 cc of sterile water.
2. Flush all the remaining water from the attached water bottle out of the system. This is done by holding the hand piece tubing and syringes over a basin or bucket. Turn the unit ON, wait a few moments, then operate the unit flush valve, syringe, foot control unit until the water is purged from the system.
3. Remove the attached bottle from the machine, pour 100 ml of the 1:10 disinfectant solution in, cap the bottle, shake for 5 seconds, then allow to stand for 10 minutes, shake the bottle again. Empty the bottle and rinse twice with sterile water. Label the bottle – disinfectant bottle date and time. Place bottle capped in bottom of dental cart.
4. Take the second disinfected add 100 ml of the 1:10 disinfectant solution and attach to the machine.
5. Hold the hand piece tubings and syringe over a basin or bucket. Turn the unit ON, wait a few moments, then operate the unit flush valve, syringe and foot control until a steady stream of disinfectant solution begins flowing through the tubings (about 15-20 seconds).
6. Allow the disinfectant to remain in the unit for at least 10 minutes (never more than 30 minutes).
7. Purge the unit with air:
  - a) Hold hand piece tubing and syringe over a basin or bucket. Turn the unit ON, wait a few moments, then operate the unit flush valve, syringe, foot control until the disinfectant solution is purged from the system.
  - b) Turn OFF the unit. When storing be careful not to bump or hit valves and syringes into anything.

Reference: Forest Installation & Operations, Manual, Adic Self-Contained Water System Manual, Adic Ultra Kleen And Dental Unit Water Line Asepsis.