EQUIPMENT – FIBER OPTIC SCOPES
CLEANING AND DISINFECTING INSTRUCTIONS

PURPOSE

To assure that all scopes are properly cleaned and disinfected to reduce risk of nosocomial infection.

PROCEDURE

Universal precautions are used for all scopes. Each scope is thoroughly cleaned and disinfected with Cidex after each use.

I. CLEANING

A. Gloves, goggles, gown and mask are worn when cleaning.

B. Follow the steps below:

1. Place scope in pan with enzyme soap solution.

2. Remove the suction valve, the water/air valve, and the biopsy port covers on gastroscopes and colonoscopes.

3. Brush thru the suction port both at a 45 and 90 degree angle at least three times. Wash the insertion tube in the enzyme soap solution removing the gross soil.

4. Attach the all channel irrigator (CW-2) to the scope.

5. Place the suction tube portion of this apparatus in a separate container of enzyme soap solution.

6. With a 60 cc syringe attached, aspirate the cleaning solution into the syringe and then inject into the attached channels. Repeat this procedure several times or until the channel is clear.

7. Remove the suction tube from the enzyme soap solution.

8. Place entire scope in the scope rinse pan and fill with tap water rinsing the soap from the scope.

9. Place the suction tube in clean tap water.

10. Aspirate the water into the syringe and inject into the attached channel.

11. Repeat several times until excess water is removed. Dry scope with towel.
Cleaning continued:

C. **When processing an ERCP Scope and 2T-20 (Double Channel Therapeutic Duodenal scope)**

1. Attach the elevator wire irrigator to the elevator wire channel.
2. Flush with soap solution twice.
3. Rinse with tap water twice.

II. DISINFECTING

A. Check Cidex concentration using CIDEX test strip. Change Cidex if necessary. Contact Safety to pick up used Cidex.

B. Follow these steps:

1. Place entire scope with all-channel irrigator attached into the Cidex soak pan.
2. Place the suction tube of the all-channel irrigator into the Cidex.
3. Aspirate the Cidex into the syringe and inject into channel.
4. Repeat until no air bubbles are seen upon injection of the Cidex into the channel.
5. Remove the all-channel irrigator apparatus.
6. Brush the suction valves, air/water valves and biopsy port covers removing gross contaminate.
7. Rinse thoroughly, dry and place in Cidex solution with the scope.

    **NOTE:** Allow the scope and above necessary parts to soak in the Cidex solution for 45 minutes.

C. **When processing an ECRP Scope**, follow the steps:

1. Instill 3 cc Cidex solution into the elevator wire channel
2. Allow to soak 30 minutes with elevator wire irrigator attached.
3. Reattach the all channel irrigator (CW-2) to the scope with suction tube outside of the soak pan.
4. Aspirate air into the attached syringe and inject into the channels clearing them of the Cidex solution.
For rinsing, follow these steps:

1. Place the entire scope with the all channel irrigator (CW-2) still attached into the rinse pan with sterile water.

2. Rinse the outside of the scope thoroughly.

3. Aspirate the sterile water into the syringe attached to the all channel irrigator (CW-2) and inject into the channels.

   **NOTE:** When processing ERCP Scope, flush elevator wire channel with sterile water twice with each rinse of the scope.

4. Repeat the procedure several times.

5. Next, empty the water from the rinse pan and fill again with sterile water.

6. Repeat the procedure of aspirating the sterile water into the syringe.

7. Attach to the all-channel irrigator and inject into other channels several times until a total of 3 rinses.

   **NOTE:** STERILE WATER IS USED IN ALL THREE RINSES OF THE ENDOSCOPES

8. Remove the suction tube from the sterile water and aspirate air into the syringe and inject into the channels. Repeat this procedure until clear of water return.

9. Attach the air compressor hose to the air port on the light guide connector.

10. Place the channel plug in the suction port on the control head. This will force air through the channel clearing any remaining water.

11. Remove the channel plug and the air compressor hose.

12. Remove the suction valve, air/water valve, and biopsy valves from the Cidex.

13. Rinse thoroughly three times.

14. Dry excess water with clean towel and replace on scope. Dry outside of scope with clean towel.

15. Flush with 60 cc of Alcohol.

16. Place scope in cabinet for storage. Do not put in scope case.