

Care and Cleaning of Bimanual Instruments

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**MILLENNIUM
SURGICAL**

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822 Montgomery Ave #205
Narberth, PA 19072
(800) 600-0428

STORAGE

Surgical instruments should be stored in sterilizing trays of proper size lined with soft silicone mats. Instruments should not touch each other. We recommend protective tips made of soft silicone tubing of the proper size and thickness. Do not use rubber or plastic protective tips, which can melt during autoclaving and cause damage to instruments.

INSPECTION

Inspect every instrument at the end of your surgical day. Conduct this inspection under a microscope or with magnification lens.

Manual Cleaning: This is NOT RECOMMENDED FOR BIMANUALS

Ultrasonic Cleaning: This is the only method recommended for cleaning Bimanuals.

NOTE: All Bimanual Instruments are designed to be disassembled for thorough cleaning. You will need to do this several times through the cleaning process.

- Use only cleaning solutions approved for surgical instruments. Change the solution frequently, always use demineralized or distilled water. Heat water to 150° F (62° C) using an immersion heater, or in a separate stainless container, if your unit does not have an automatic built-in water heater. Be sure that all staff are completely familiar with the manufacturer's instructions, which came with your ultrasonic cleaner.
- Disassemble and watch that "Sharp" and/or "Delicate" tips do not touch other instruments. All Bimanual tips must be fully submerged, preferably with the Hub facing down. This is recommended to ensure removal of any debris in the Hub. Do not place dissimilar metals (stainless, copper, chrome plated, etc.) in the same cleaning cycle.
- It is recommended to ultrasonic clean disassembled for a minimum of 10 minutes.
- A thorough inspection after a cleaning process is important to ensure that all fragments and/or dirt have been removed. If cleaned correctly, they should be as clean as the outside of the instrument with no signs of corrosion. When corrosion becomes present the item is to be replaced.
- After removing instruments from the ultrasonic cleaner, rinse the instruments under running water first and then assemble so you can flush three times with clean demineralized water.
- When the cleaning of the Bimanual is complete, it is highly recommended to disassemble and blow dry all water from the Handle and Tip. Do NOT allow water to dry by evaporation. It is highly recommend using a hot air blower to thoroughly dry the instruments.

LUBRICATION: Lubrication is not needed for Bimanuals.

STERILIZATION

Stainless Steel instruments can be sterilized via steam autoclaving, chemical disinfectants, ethylene oxide gas, or even dry hot air. Gas and dry chemical sterilization are the best methods for stainless steel instruments, but they take a lengthy time period to accomplish the desired result. The most practical method of sterilization is heat or steam, which require less time. However, these methods can be damaging to delicate stainless steel instruments. Use care when sterilizing your instruments. And, once again, be sure that you and your staff have read and fully understand the instructions supplied by the manufacturer of your particular sterilizer.

Warning: If this device is/was used in a patient with or suspected of having Creutzfeldt-Jakob Disease (CJD), the device cannot be reused and must be destroyed due to the inability to reprocess or sterilize to eliminate the risk of cross-contamination!