English EN

Lateral Disc Prep Surgical Instrumentation System Instructions

| INTENDED USE | The Disc Preparation Surgical Instrumentation System is intended to offer a comprehensive set of surgical instruments to prepare the intervertebral disc space for interbody spinal fusion. | | | |
|-----------------------------|--|--|--|--|
| INTENDED USER PROFILE | Surgical procedures should be performed only by persons having adequate training and familiarity with surgical techniques. Consult medical literature relative to techniques, complications and hazards prior to performance of any surgical procedure. Before using the product, all instructions regarding its safety features must be read carefully. | | | |
| DEVICE DESCRIPTION | Surgical instruments comprising fixed assemblies, simple hinged instruments and simple assemblies generally composed of medical grade stainless steels, titanium, aluminum and silicone rubber. Instrument case and trays may consist of different materials including stainless steels, aluminum and silicone mats. Devices are supplied NON-STERILE and must be inspected, cleaned and sterilized before each use. Devices are critical and require terminal sterilization. Devices are not implantable. | | | |
| WARNINGS | Avalign recommends thorough manual and automated cleaning of medical devices prior to sterilization. Automated methods alone may not adequately clean devices. Devices should be reprocessed as soon as possible following use. Instruments must be cleaned separately from cases and trays. All cleaning agent solutions should be replaced frequently before becoming heavily soiled. Prior to cleaning, sterilization and use, remove all protective caps carefully. All instruments should be inspected to ensure proper function and condition. Do not use instruments if they do not perform satisfactorily. The sterilization methods described have been validated with the devices in predetermined placement locations per the case and tray designs. Areas intended for specific devices shall contain only those devices. Risk of damage – The surgical instruments are precision devices. Careful handling is important for the accurate functioning of the devices. Improper external handling can cause the devices to malfunction. Use caution when handling sharp instruments to avoid injury. Wash the instrument case and trays with an aluminum safe, neutral pH detergent to avoid faded surface colors and deterioration of anodized surfaces. If a 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. | | | |
| CAUTION R ONLY | Federal U.S. Law restricts this device to sale, distribution, and use, by, or on order of a physician. | | | |
| LIMITATIONS ON REPROCESSING | Repeated processing has minimal effect on these instruments. End of life is normally determined by wear and damage due to use. | | | |
| DISCLAIMER | It is the responsibility of the reprocessor to ensure reprocessing is performed using equipment, materials and personnel in the reprocessing facility and achieves the desired result. This requires validation and routine monitoring of the process. Any deviation by the reprocessor from the instructions provided must be properly evaluated for effectiveness and potential adverse consequences. | | | |

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Reprocessing Instructions

| | T | - | | | | | |
|-----------------------|---|--|--|------------------------------------|--|--|--|
| TOOLS AND | | Cold Tap Water (< 20° | | | | | |
| ACCESSORIES | Water | Warm Water (38°- 49°C / 100°- 120°F) | | | | | |
| | | Hot Tap Water (> 40°C / 104°F) | | | | | |
| | Classias Assuts | | erse Osmosis (RO) Water (| | | | |
| | Cleaning Agents | | tergent pH 6.0-8.0 i.e. Me | | | | |
| | | | hes and/or Pipe Cleaners | with Nyion Bristies | | | |
| | Accessories | Sterile Syringes or equ | ilvalent isposable Cloths or equiva | plant | | | |
| | | Soaking Pans | isposable cloths of equive | nent | | | |
| | | Medical Compressed | Δir | | | | |
| | Equipment | Ultrasonic Cleaner (So | | | | | |
| | Equipment | Automated Washer | • | | | | |
| DOINT OF LICE | 1) Fallow booth care fo | sility point of use procti | ans. Koon dovices maist a | fter use to provent seil from | | | |
| POINT-OF-USE AND | | Follow health care facility point of use practices. Keep devices moist after use to prevent soil from | | | | | |
| CONTAINMENT | | drying and remove excess soil and debris from all surfaces, crevices, sliding mechanisms, hinged joints, and all other hard-to-clean design features. | | | | | |
| CONTAINMENT | | | | containers for transport to | | | |
| | central supply. | | | | | | |
| | | eaned in the completel | y open and disassembled | (i.e. taken apart) | | | |
| | configuration. | • | | | | | |
| MANUAL | 4) Prepare neutral pH e | nzymatic detergent ner | vendor's directions Enzo | l® enzymatic detergent is | | | |
| CLEANING | 4) Prepare neutral pH enzymatic detergent per vendor's directions. Enzol® enzymatic detergent is recommended at a preparation of 1 oz./gallon using lukewarm water. | | | | | | |
| | | | | ns. Allow device to soak for a | | | |
| | minimum of 5 minute | - | | | | | |
| | 6) Actuate all movable | arts during the soak tir | ne to allow complete pen | etration of detergent to hard | | | |
| | to reach areas. | | | | | | |
| | | _ | | and pipe cleaner), paying | | | |
| | · · | o movable parts, crevic | es, and other hard to reac | h areas until all visible soil has | | | |
| | been removed. | as fluch internal luman | s with datargant using an | appropriately sized syrings at | | | |
| | | a) For lumen devices, flush internal lumens with detergent using an appropriately sized syringe at | | | | | |
| | | least 7 times with a minimum of 15mL of detergent. If available, use flush ports for flushing. Rinse the device with warm water. | | | | | |
| | · ' | | and allow device to soak fo | or a minimum of 3 minutes. | | | |
| | | Place the device into a bath of warm water and allow device to soak for a minimum of 3 minutes. Actuate all moveable parts during the entire soak time. | | | | | |
| | | Prepare neutral pH enzymatic detergent in the sonicator (as per vendor directions) and sonicate the | | | | | |
| | instruments for a mir | instruments for a minimum of 10 minutes. Note: Enzyme solution shall be changed when it becomes | | | | | |
| | | grossly contaminated (bloody and/or turbid). | | | | | |
| | | Rinse all surfaces and crevices in running reverse osmosis or deionized (RO/DI) water for a minimum | | | | | |
| | | of 3 minutes to remove any residual detergent or debris. | | | | | |
| | | | nge. If available, use flush | vith RO/DI water (minimum of | | | |
| | 12) Dry the instrument w | | | | | | |
| | | | | s, repeat cleaning procedure. | | | |
| | | | | | | | |
| AUTOMATED CLEANING | 9. Steps 10-13 are optional | | orior to any automated cle | aning process, follow steps 1- | | | |
| CLLAIVING | J. Steps 10-13 are options | ii but auviscu. | | | | | |
| | 14) Clean devices within | a washer/disinfector ut | ilizing the equipment and | detergent manufacturers' | | | |
| | | elow minimum parame | | - | | | |
| | Phase | | | Detergent Type & | | | |
| | rilase | Time (minutes) | Temperature | Concentration | | | |
| | Pre-wash 1 | 02:00 | Cold Tap Water | N/A | | | |
| | Enzyme Wash | 02:00 | Hot Tap Water | Enzyme Detergent | | | |
| | Rinse 1 | 01:00 | Hot Tap Water | N/A | | | |
| | Purified Water Rins | | 146-150°F / 63-66°C | N/A | | | |
| | Drying | 15:00 | 194°F / 90°C | N/A | | | |
| | | | | with filtered, compressed air. | | | |
| | 16) Visually examine eac | n instrument for cleanli | ness. If visible soil remain | s, repeat cleaning procedure. | | | |

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Reprocessing Instructions

| DISINFECTION | Devices must be terminally sterilized (See § Sterilization). Avalign devices are compatible with washer/disinfector time-temperature profiles for thermal disinfection per ISO 15883. | | | |
|---|--|---|---|--|
| INSPECTION AND FUNCTIONAL TESTING | Check for smooth movement of hinges. Locking mechanisms should be free of nicks. Devices with broken, cracked, chipped or worn parts should not be used, but should be replaced immediately. Lubricate instruments before autoclaving with Instra-Lube, or a steam permeable instrument lubricant. | | | |
| PACKAGING | Only FDA cleared sterilization packaging materials should be used by the end user when packaging the devices. The end user should consult ANSI/AAMI ST79 for additional information on steam sterilization. Sterilization Wrap Wrap cases in a standard, medical grade sterilization wrap using a double layer wrap per the AAMI method or equivalent. Rigid Sterilization Container For information regarding rigid sterilization containers, please refer to appropriate instructions for use provided by the container manufacturer or contact the manufacturer directly for guidance. | | | |
| STERILIZATION | Sterilize with steam. The following are minimu devices: Double Wrapped Instrument Case: Cycle Type Temperature Prevacuum 132°C (270°F) The operating instructions and guidelines manufacturer should be followed explicitly and calibrated. Time and temperature parameters require cycle design, and packaging material. It is | Exposure Time 4 minutes for maximum load configure. The sterilizer must be different to the sterilization vary a | Pulses 4 guration of the properly install | Drying Time 45 minutes sterilizer ed, maintained, type of sterilizer, |
| | facility's individual type of sterilization equ A facility may choose to use different steal facility has properly validated the cycle to devices for sterilization. Note: rigid sterilization. | ipment and product loa n sterilization cycles oth ensure adequate steam | nd configuration ner than the cyc penetration an | i. cle suggested if the d contact with the |
| STORAGE | After sterilization, devices should remain in the sterilization packaging and be stored in a clean, dry cabinet or storage case. Care should be taken when handling wrapped devices to avoid damaging the sterile barrier. | | | |
| MAINTENANCE | Attention: Apply lubricant only on the connecting elements (locking mechanism) and moving parts. Discard damaged, worn or non-functional devices. | | and moving parts. | |
| WARRANTY | All products are guaranteed to be free from defects in material and workmanship at the time of shipping. Avalign devices are reusable and meet AAMI standards for sterilization. Devices are designed and manufactured to meet the highest quality standards. Avalign cannot accept liability for failure of devices which have been modified in any way from their original design. | | | |
| CONTACT | Manufactured by: Avalign Technologies 8727 Clinton Park Drive Fort Wayne, IN 46825 1-877-289-1096 www.avalign.com product.questions@avalign.com | Spin 4046 | ributed by: eEX, Inc. 5 Clipper Court nont, CA 94538 | |

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Symbols Glossary

| Symbol | Title and Translations | |
|----------------|---|--|
| | Manufacturer | |
| LOT | Lot Number / Batch Code | |
| REF | Catalogue Number | |
| | Consult Instructions for Use | |
| | Caution | |
| NON STERILE | Non-Sterile | |
| R _X | Federal Law (USA) restricts this device to sale by or on the order of a physician | |

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