SurGenTec Shares New Insights Into Jamshidi Needle Applications

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SurGenTec has released information addressing the role of specialized needles and bone-access instruments in medical procedures. The information focuses on general applications and clinical considerations associated with these instruments, including their use in procedures involving bone and bone marrow.

A jamshidi needle is a long, hollow needle designed for accessing bone and obtaining tissue or bone marrow samples. According to the National Cancer Institute, the instrument can be used to remove a sample of tissue from the bone marrow by inserting the needle through bone to reach the marrow. FDA records also describe Jamshidi devices as single-use bone marrow biopsy needles intended for obtaining bone marrow aspirate and core biopsy samples.

Medical devices used for bone access are manufactured in different configurations based on their intended applications. FDA documentation for Jamshidi biopsy and aspiration devices describes components that can include an outer cannula, handle, and inner stylet. Specific dimensions, design features, and instructions for use can vary between products and manufacturers.

Bone marrow aspiration and biopsy procedures involve obtaining material that can be sent for laboratory examination. The intended use of a particular device is established through its product labeling and regulatory documentation. Certain Jamshidi devices are identified for bone marrow aspiration and core biopsy procedures, while others have specific applications based on the biopsy site and technique.

Specialized needles are also discussed in medical literature covering certain spinal and orthopedic techniques. Published procedural references describe Jamshidi needles in connection with access and cannulation techniques used in some spine-related procedures. The instrument and technique selected depend on the procedure, the device's intended use, and the training and judgment of the healthcare professional.

Device documentation is an important source of information for professionals evaluating instruments for clinical use. Instructions for use can identify intended applications, warnings, precautions, contraindications, and other relevant information. Manufacturers may also provide details about device dimensions, components, and handling requirements.

FDA records for certain Jamshidi devices identify them as sterile, single-use, prescription devices. Product information also identifies potential complications associated with aspiration and core biopsy procedures, including infection, pain, bleeding, hematoma, injury to adjacent tissue, and perforation of an organ or vessel. The risks associated with a procedure depend on factors including the procedure being performed and the patient's individual circumstances.

SurGenTec's information adds to publicly available educational material concerning instruments used in procedures involving bone access. The company's materials address medical device topics relevant to healthcare professionals seeking general information about specialized procedural instruments. Such information does not establish specific safety or clinical outcome claims beyond the applicable product documentation.

Healthcare professionals considering a specific instrument should review the applicable product documentation and instructions for use. Training requirements and procedural protocols may vary by device and application. Manufacturer labeling may also contain information regarding patient selection, device dimensions, image guidance, and other factors relevant to a procedure.

The jamshidi needle remains an example of a specialized instrument used in bone marrow sampling and other procedures described in medical literature and device documentation. Understanding the intended use and limitations of a particular device is important when reviewing available medical technology. Product-specific information should guide decisions about clinical use rather than general descriptions of a device category.

As medical technology and procedural techniques continue to develop, clear information about specialized instruments remains relevant to healthcare professionals. Reviewing regulatory records, product labeling, clinical literature, and applicable instructions for use can provide context when evaluating medical devices for particular procedures.

Clinical decisions should be made by qualified healthcare professionals based on appropriate training, professional judgment, product documentation, and the circumstances of the individual patient and procedure.

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