Instructions for use - Sterile MySpine Instruments

Use of the instrumentation requires knowledge of the anatomy and pathology, biomechanics and surgical competency of the spine. The instrumentation can be used only by a qualified surgeon who practices with an awareness of current advances in science and surgical techniques. The user should ensure that the MySpine Screw Pedicle Screw Placement Guides are intact and in good working order before use, checking the correct matching with the patient’s vertebra before inserting the guides. The user should also take all necessary precautions to avoid any incidents (gloves, protective glasses...). No undesirable side effects are known if these instructions for use are respected.

APPLICATION FIELD

The document is applicable for all MySpine Pedicle Screw Placement Guides and related plastic 3D models of the patient’s vertebrae.

Indications for Use

MySpine is intended as a thoracic and lumbar posterior pedicle targeting guide for patients requiring spinal fusion between the levels of T1 to L5. MySpine Screw Placement Guides are intended to be used as anatomical perforating guides specific for a single patient anatomy to assist intraoperatively in the positioning of pedicle screws in the vertebral body. MySpine is intended for use with M.U.S.T. Pedicle Screw System and its cleared indications for use.

MySpine Low Profile screw placement guides are intended for the placement of K-wires to assist in the positioning of pedicle screws. Use of the guides involves surgical planning software used pre-operatively to plan the surgical placement of the components on the basis of patient radiological images with identifiable anatomical landmarks and surgical equipment components. These components include patient-specific guides fabricated on the basis of the spinal plan to precisely reference the placement of the implant components intra-operatively per the surgical plan.

MySpine Screw placement guides are made of Polyamide-PA 12; it is strictly the surgeon’s responsibility to verify that the patient is not allergic to this material.

GENERAL

Before any surgery, the surgeon must be familiar with the sales product literature and operative technique and must carefully read these instructions for use. The instrumentation should be used only for its intended purpose as indicated in the surgical techniques. The use of some motor-driven instruments (drill bits, taps, etc.) may cause a temperature rise between these instruments and bone. It is advisable to sprinkle these instruments with physiological saline during use. Under no circumstances should an item of instrumentation be implanted.

DESCRIPTION

The instrumentation is made from materials appropriate for the manufacture of surgical instruments. These materials are not intended to stay in permanent contact with the patient. The instrumentation is supplied sterile and it is intended to be single use. The instrumentation manufactured by Medacta International meets the mechanical and functional characteristics of the operative technique and these instructions. Before surgery, the user should refer to the surgical technique and other labeling or contact the representative of the company for more details on how to use the instrumentation.

STORAGE AND HANDLING

The instrumentation should be stored and handled with care. MySpine surgical instruments can be damaged by inappropriate handling: visually inspect the instrument and check for damage prior to use: holes, pins, bent parts. The packages should be stored in a cool, dry place, away from light. Handle with care.

PACKAGING

The MySpine guides and the plastic 3D models are supplied sterile, in single use individual packages. The labeling method is indicated on the label. The expiration date and package integrity must be checked to ensure the accuracy of the contents has not been compromised. If the package is damaged, do not use the component. Do not re-sterilize.

WARNING

Check the expiration date prior to use. Using the MySpine Pedicle Screw placement Guides after the expiration date will not guarantee the optimum bone match between the modeled guide and the patient which could lead to unpredictable outcomes of pedicle screw placement and the spine fixation.

Since each vertebra has a specific MySpine Pedicle Screw Placement Guide created for it, care should be taken to ensure the correct guide is being used. The contact points between each vertebra and the corresponding screw placement guides need to be properly placed in order to ensure optimal contact between the guide and the bone surface of the vertebra. It is the user’s responsibility to follow the preparation procedure in order to ensure the accuracy of the system. At all times during the Awl, Pedicle Probe and actual screw placement, the surgeon must verify that the patient is not allergic to this material.

Federal law (USA) restricts this device to sale and distribution and use by or on the order of a physician.