

English

has been exposed to blood, bone, tissue, or body fluids must not be reprocessed and must be discarded.

The instructions in this DFU were developed using the guidance given in the following standards:

- ANSI/AMI ST79: "Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities"
- ISO 17664: Sterilization of medical devices – Information to be provided by the manufacturer for the processing of resterilizable medical devices available in a variety of sizes.

B. INDICATIONS

The Arthrex Compression Screw is intended for fixation of small bone fractures, such as ankle fragments, osteochondral fragments and cancellous fragments. Specific applications include the following:

1. Osteochondral fragments (talus vault, femoral condyle)
2. Cancellous fractures (talus)
3. Tibial and metatarsals
4. Metatarsals
5. Intra-articular fractures
6. Ankle
7. Proximal humerus
8. Osteochondral fixation and fractures
9. Ankle fractures
10. Oblique fractures of the fibula
11. Reconstructive surgeries of the foot
12. Malloleolar fixation

C. CONTRAINDICATIONS

1. Insignificant quantity or quality of bone.
2. Blood supply limitations and previous infections, which may retard healing.
3. Foreign body sensitivity. Where material sensitivity is suspected, appropriate tests should be made and sensitivity ruled out prior to implantation.
4. **Bioabsorbable only:** Foreign Body Reactions. See Adverse Effects-Allergic Type Reactions.
 - 5. Any active infection or blood supply limitations.
 - 6. Conditions that tend to limit the patient's ability or willingness to rest or avoid activity during the healing period.
 - 7. The use of this device may not be suitable for patients with insufficient or immature bone. The physician should carefully assess bone quality before performing orthopedic surgery on patients who are skeletally immature. The use of this medical device and the placement of hardware or implants must not hinder, disturb or divert the growth plane.
 - 8. Do not use for surgeries other than those indicated.
5. **D. ADVERSE EFFECTS**
 1. Infections, both deep and superficial.
 2. Foreign body reactions.
 3. Non-healing due to inadequate blood supply to the area of the repair.
 4. **Bioabsorbable only:** Foreign body reactions to PLA materials (PLLA, PLDLA) have been reported. These reactions have sometimes necessitated the removal of the implant. Patient sensitivity to device materials must be considered prior to implantation.
6. **E. WARNINGS**
 1. Caution: Federal law restricts this device to sale by or on the order of a physician.
 2. Procedures carried out using these devices may be used on the general population.
 3. The clinical benefits associated with the use of these devices outweigh the known clinical risks.
 4. There are no unacceptable residual risks or uncertainties associated with the clinical use of these devices.
 5. This device is intended to be used by a trained medical professional.
 6. The joint or osteotomy should be stabilized prior to insertion of the screw to prevent damage to the screw or inserters.
 7. An internal fixation device must never be re-used.
 8. **Bioabsorbable only:** Do not re-sterilize this device.
 9. **Metal only:** All metallic implant devices used for this surgical procedure should have a same metallurgical composition.
 10. Postoperatively and until healing is complete, fixation provided by this device should be considered as temporary and may not withstand weight bearing or other unsupported stress. The fixation provided by this device should be protected. The postoperative regimen prescribed by the physician should be strictly followed to avoid adverse stresses applied to the device.
 11. Preoperative and operating procedures, including knowledge of surgical techniques and proper selection and placement of the implant, are important considerations in the successful utilization of this device. The appropriate Arthrex delivery system is required for proper implantation of the device.
 12. Any decision to remove the device should take into consideration the potential risk to the patient of a second surgical procedure. Device removal should be accomplished using appropriate management.
 13. **Metal only:** Devices that have been implanted for a long period of time may require the use of screw removal instrumentation.
 14. This is a single use device. Reuse of this device could cause failure of the device to perform as intended and could result in harm to the patient and/or operator.
 15. Patient sensitivity to the device materials should be considered prior to implantation. See Adverse Effects.
 16. Biohazard waste, such as explanted devices, needles and containers of surgical equipment, should be safely disposed of in accordance with the institution policy.
 17. Serious incidents should be reported to Arthrex Inc., or an in-country representative, and to the health authority where the incident occurred.

F. MRI SAFETY INFORMATION

1. **MRI Conditional**
 - Static magnetic field: 1.5-Tesla and 3-Tesla, only
 - Maximum spatial gradient magnetic field of 3000 Gauss/cm or less
 - Maximum MR system reported, whole body average specific absorption rate (SAR) of 1-W/kg for 15 minutes of scanning in the Normal Operating Mode of operation for the MR system
- Under the conditions defined, the Compression Screws are expected to produce a maximum temperature rise of up to 6 °C after 15-minutes of continuous scanning.

In non-clinical testing, the image artifact caused by the Compression Screw can extend up to approximately 120 mm from this implant when imaged using a gradient echo pulse sequence and a 3-Tesla MR system.

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