

Training for OtisMed® Imaging Technique

All MRI technologists **MUST** read and understand all imaging documents prior to performing the OtisMed Imaging Technique

An imaging technologist must always rely on his or her own professional judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.



Initial Test Scans

- All test patients/volunteers must be **no younger than 40 years of age**. The older the better for testing purposes.
- The reasoning behind this request is to best simulate an actual candidate for a knee replacement.
- **Stryker personnel are prohibited from volunteering for the test imaging scan.**
- All patients must provide their express written consent to participating in these test scans and must be advised that by participating in these tests, their personal information will be stored in a server hosted in the US and will be processed by Stryker in the US.
- You will need to know how to position your Sagittal slices off of damaged, arthritic knees, not healthy knees.
- You will be required to schedule and participate in an online training course and complete a written test prior to performing your first test scan.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Positioning

- Use only dedicated Knee/Extremity Coil.
- Center knee within the Knee/Extremity coil.
- If the knee is too large to fit within the Knee/Extremity Coil, discontinue scan. Note, substitution of any other coil is not acceptable.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Positioning Sponges

If available:

- Use two (2) sponges approx 1" x 3" x 14".





- Fold in thirds squeezing air out of sponge.
- Place squeezed sponges alongside medial distal femur and lateral distal femur.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Positioning Sponges

- Use two (2) sponges approximately 1" x 3" x 14" triangular shape - used with the head coil.
- Side view - 
- Fold in thirds squeezing air out of sponges.
- Place folded sponges alongside medial proximal tibia and lateral proximal fibula with narrow part pointing towards the table. 



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Patient Education

- Explain to the patient the importance of being perfectly still for the entire duration of the MRI study.
- Patient should not tighten leg muscles or move toes while scan is in progress.
- Let the patient know that if there is even the **slightest** muscle movement, the scan must be repeated.
- Reiterate that the patient remain motionless after being positioned for the Body Coil Imaging.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Use of Restraints

- Sand bags are not recommended, they put added weight and strain on patient's legs causing muscle spasms.
- Straps across thighs are not recommended, this does not keep patient's leg from moving.
- Patients must be fully aware of their need to cooperate to the best of their ability.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Imaging Technique

- Follow the imaging technique for each MRI scanner. This includes the 3-Plane Locator.
- Do **not** try to make this a one acquisition/concatenation/package scan by increasing the TR.
- Send in one test scan at a time and wait for the results before scanning the 2nd test scan.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Correct Alignment

- Choose the correct axial slice and coronal slice to plan the Sagittal scan.
- Axial slice should show intercondylar notch and show the most posterior cortical cancellous edge of condyles.
- Coronal slice should show the intercondylar notch and the most inferior aspect of cortical cancellous edges of the femoral condyles.
- Refer to the Graphix for your particular scanner type.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Patient Movement on Scans

- If the patient moves...remind the patient to hold perfectly still then repeat scan. Remind them not to tense leg muscles.
- After the 2nd scan, if there is still movement...get the patient off the table. Offer to reschedule the patient after consultation with the referring surgeon for possible medication.



An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker, and Triathlon. All other trademarks are trademarks of their respective owners or holders. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Registration with, and use of, the OtisMed ShapeMatch services by institutions / persons located in the EEA requires that the institutions / persons be registered as being authorized to transfer patient personal and sensitive personal information to the US. By registering with, and using, this service, you represent and warrant that you are in compliance with the data protection laws of your country of residence or registration."

An imaging technologist must always rely on his or her own professional clinical judgment when deciding whether to use a particular CT or MRI scanner on a particular patient. Stryker does not dispense medical advice and expects that imaging technologists are trained in the use of any particular CT or MRI scanner before using it on a particular patient. An imaging technologist must be certified and/or licensed by the appropriate jurisdiction, and/or otherwise qualified to use a CT or MRI scanner, in order to obtain images used to manufacture an OtisMed cutting guide for on a particular patient.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product.

Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area. Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Innovation in Motion, OtisMed, Stryker. All other trademarks are trademarks of their respective owners or holders.

Thank You