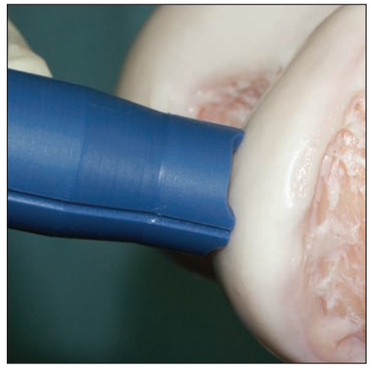
DO NOT AUTOCLAVE THIS SHEET

ACT™ ALLOGRAFT CARTILAGE TRANSPLANT SURGICAL TECHNIQUE

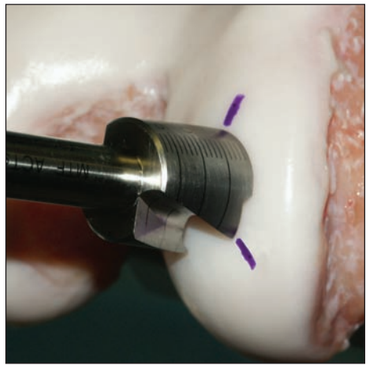


STEP 1

Choose a Lesion Gauge that covers the lesion completely. One of the legs will be your twelve o'clock position. The other two legs are the four and eight o'clock positions.

STEP 2

Place the Guide Pin through the center of the Lesion Gauge and drill to a sufficient depth. Mark the cartilage at the twelve, four and eight o'clock positions.

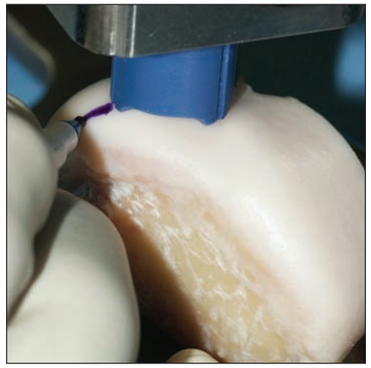


STEP 3

Select the Lesion Reamer of the same color code as the Lesion Gauge. Attach the Lesion Reamer to the drill and place over the Guide Pin. Advance to the desired depth while irrigating.

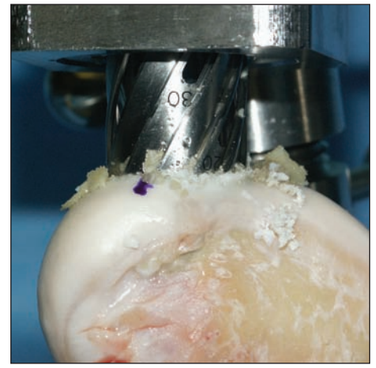
STEP 4

Place the Depth Gauge into the reamed hole and take measurements at the twelve, four, and eight o'clock positions. You can place marks directly on the Depth Gauge.



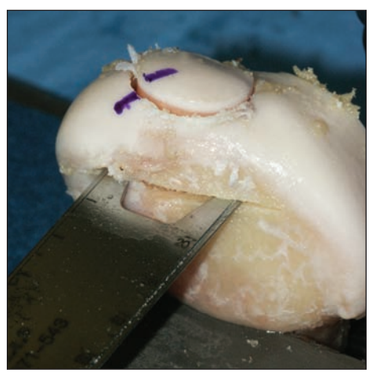
STEP 5

Place the allograft in an optimal position in the GraftStation™. Insert the appropriate bushing into the alignment guide. Place the Lesion Gauge used in the first step into the guide. With the clamping mechanism unlocked, move the guide around until the best fit is obtained in all planes. Move the clamp into the locked position. Mark the twelve o'clock position and extend the mark into the area that will become the implant.



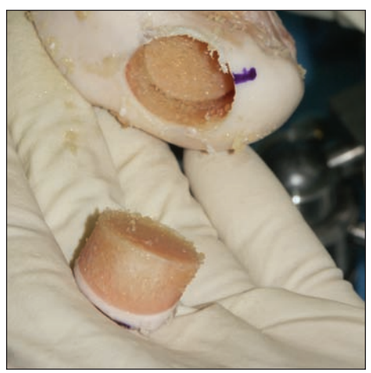
STEP 6

Place the appropriate GraftMaker™ instrument on the reamer and place into the GraftStation guide. Advance the GraftMaker through the allograft to the desired depth. Irrigation is recommended while creating the graft.



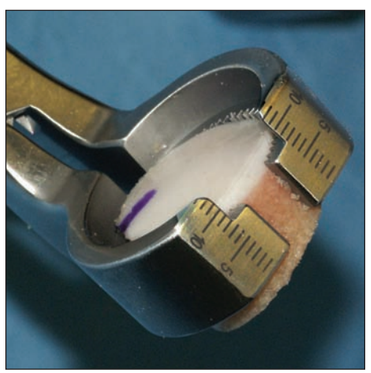
STEP 7

Using a sagittal saw, make a cut across the allograft below the maximum depth desired.



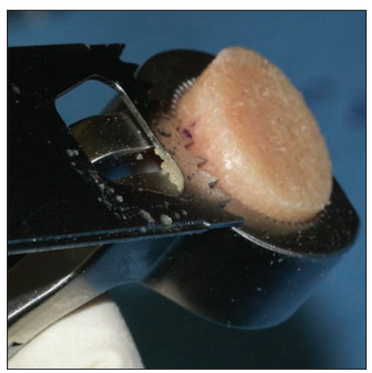
STEP 8

Remove the allograft from the GraftStation and release the prepared graft.



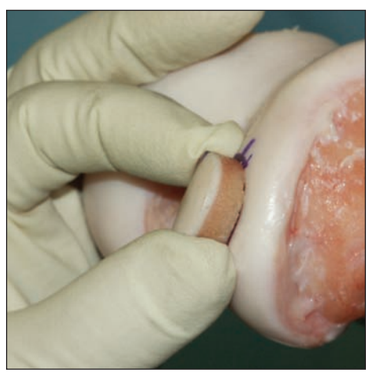
STEP 9

Transfer the depth measurements to the graft. Place the graft into the Graft Forceps, lining up the depth markings with the underside of the forceps jaws.



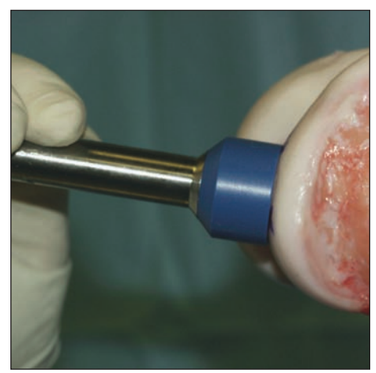
STEP 10

Lock the forceps in position. Using the sagittal saw, trim the graft to size.



STEP 11

Place the graft into the reamed hole, matching the twelve o'clock position on the graft with the same position on the patient's cartilage, and press fit as far as possible with finger pressure. Note: Prior to graft insertion, dilation may be necessary. Use the corresponding size dilator to the graft size.



STEP 12

Place the appropriate Tamp over the graft and gently tap to finish graft placement.

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NON-STERILE INSTRUMENTS. MUST BE AUTOCLAVED. CONTENTS COMPATIBLE WITH AUTOCLAVE (STEAM STERILIZATION).

AUTOCLAVING PARAMETERS FOR INSTRUMENT CASES WITH INSTRUMENTS

Pre-vacuum Steam:	132 Degrees C – 4 Minutes	Minimum Dry Time – 40 Minutes
Gravity Steam:	132 Degrees C – 15 Minutes	Minimum Dry Time – 40 Minutes

MTF SPORTS MEDICINE

ACT™ ALLOGRAFT CARTILAGE TRANSPLANT INSTRUMENTS

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LESION SIZING

Size-specific instruments are color-coded for ease of identification and only one color-coded instrument tray is needed for any given typical case.

- 15mm
- 18mm
- 20mm
- 22mm
- 25mm
- 30mm
- 35mm

LESION GAUGE

Tripod pad configuration fits over curved surfaces of articular cartilage to achieve perpendicularity. Tripod pads elevate instrument providing visualization to the lesion site, allowing appropriate size selection.

LESION REAMER

Longer side cutting profile allows scoring the outer edge of the cartilage prior to reaming out the bone, protecting the integrity of the "healthy" cartilage. Exclusive design allows cartilage scoring and bone reaming to be performed in one step.

DEPTH GAUGE

Cylindrical shape matches the reamed hole to provide accurate depth measurement. Depth Gauge is laser marked in one millimeter increments.

GRAFTMAKER™

Exclusive tooth geometry cuts with minimal temperature rise. Two-piece construction allows retrieval of the graft by pushing on the cancellous, preserving cartilage integrity. GraftMaker body has deep fluting to efficiently expel debris. GraftMaker body has windows at marked, 10mm increments to monitor preparation depth.

GRAFT FORCEPS

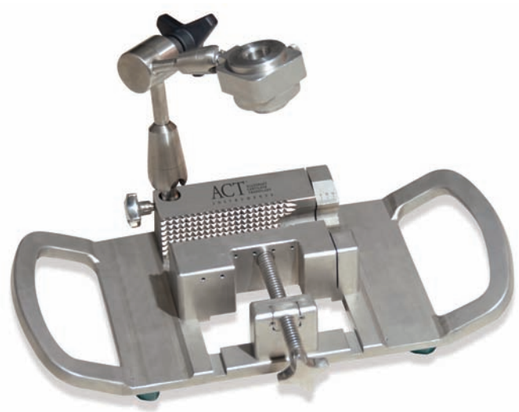
Forceps jaws are deeply beveled so as not to come in contact with the cartilage edge during depth cutting.

TAMP

Concave shape allows contact only with the outer section of the graft, helping to protect the cartilage.

GRAFTSTATION™

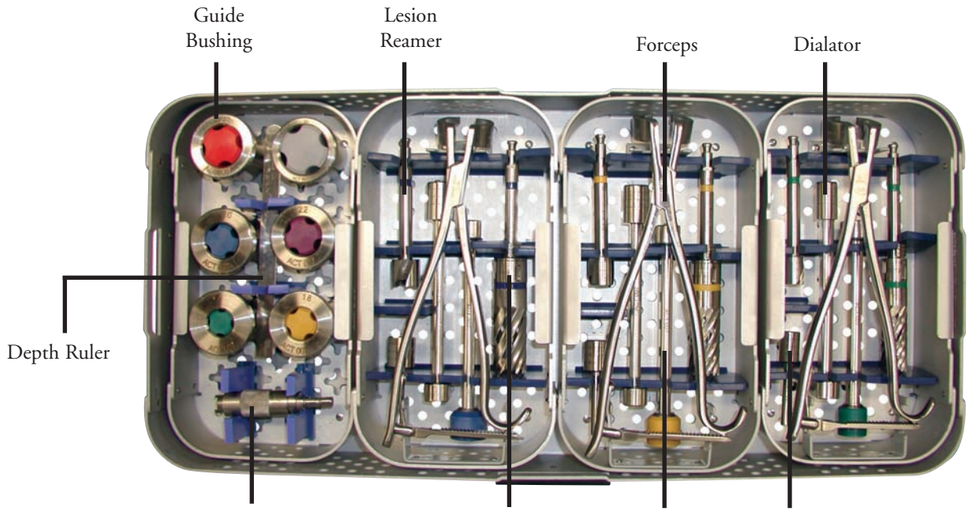
GraftMaker guide is adjustable in multiple planes to achieve perpendicularity for graft creation. Allograft can easily be visualized during the graft creation process. Sturdy graft clamp secures both large and small grafts. Optional instruments can be used to quickly chamfer the graft edge and depth to aid repair site placement.

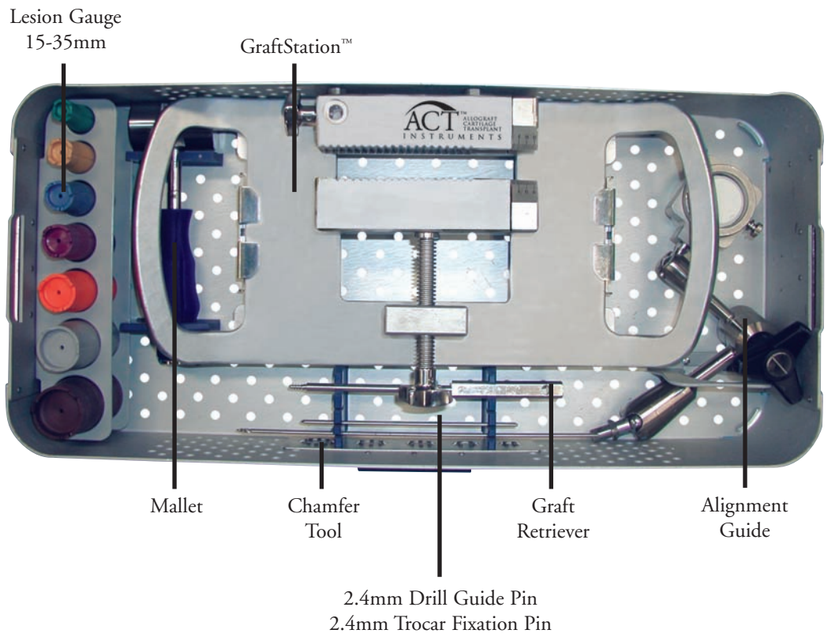


Patent Pending

TRAY ASSEMBLY

Please place instruments back into the tray according to the diagram below. One instrument case houses all common instruments needed for any lesion size, including GraftStation. Two additional instrument cases have small, individual trays that house size-specific instruments.





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