

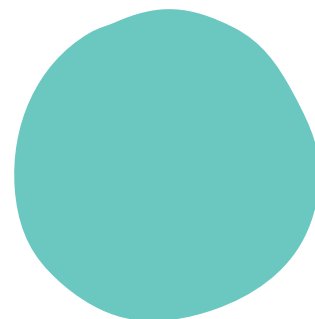
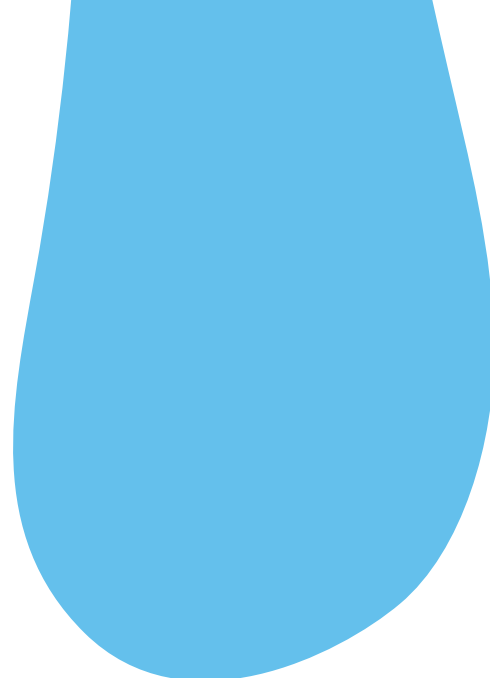
+ Cartilage repair and bone restoration

CARTIHEAL[◇] AGILI-C[◇]
Cartilage Repair Implant
Surgical Technique

Smith+Nephew



CARTIHEAL[◇]
AGILI-C[◇] Cartilage Repair Implant



The following technique is for informational and educational purposes only. It is not intended to serve as medical advice. It is the responsibility of treating physicians to determine and utilize the appropriate products and techniques according to their own clinical judgment for each of their patients.

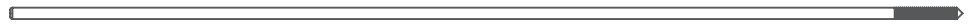
S+N does not provide medical advice and recommends that surgeons exercise their own professional judgment when determining a patient's course of treatment. This guide is presented for educational purposes only. **For more information on the products in this surgical technique, including indications for use, contraindications, effects, precautions and warnings, please consult the products' Instructions for Use (IFU).**

CARTIHEAL AGILI-C Cartilage Repair Instrument Tray and Disposable Kit

Perpendicular Aligner



K-wire



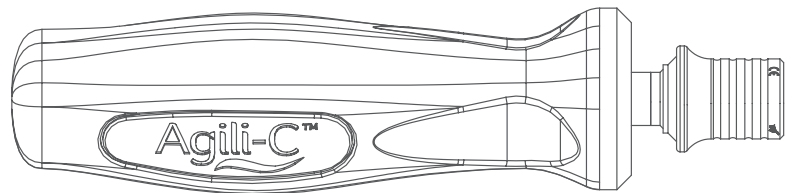
Drill Sleeve



Drill Bit



Quick-connect handle



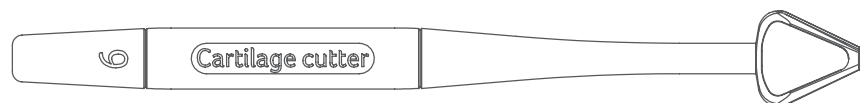
Reamer



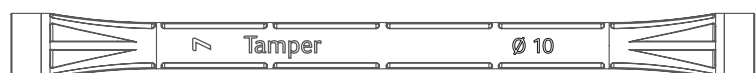
Shaper



Cartilage Cutter



Tamper



CARTIHEAL AGILI-C Surgical Technique

1. Position the Perpendicular Aligner in the lesion center and verify that it is perpendicular to the articular surface (**Figure 1**).

2. **A.** Place the K-wire in a motorized drill so that the indicator line is visible

B. Thread the K-wire through the Perpendicular Aligner and drill it into the lesion until the indicator line reaches the proximal end of the Perpendicular Aligner

C. Release the K-wire from the motorized drill (**Figure 2**).

3. Remove the Perpendicular Aligner, the K-wire remains in place (**Figure 3**).

4. Place the Drill Sleeve over the K-wire (**Figure 4**).

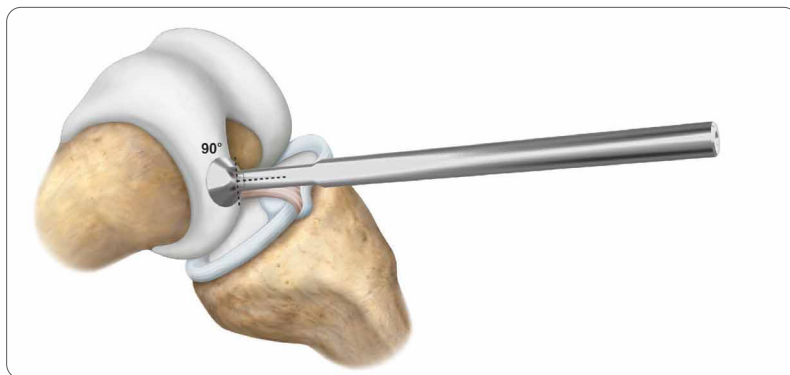


Figure 1

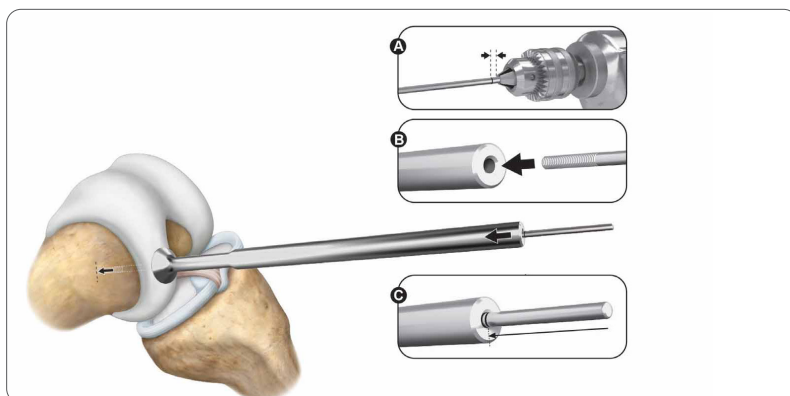


Figure 2

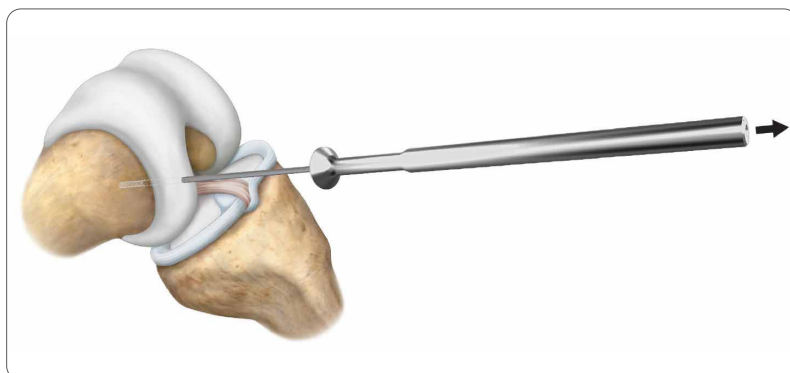


Figure 3

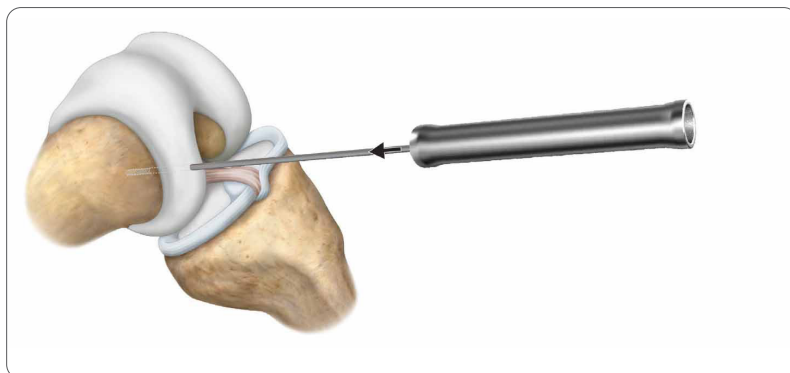


Figure 4

CARTIHEAL AGILI-C Surgical Technique, *continued*

5. **A.** Place the Drill Bit into a motorized drill

B. Hold the Drill Sleeve firmly against the articular surface

C. Thread the Drill Bit into the Drill Sleeve over the K-wire and drill until it reaches a stop (**Figure 5**).

6. Remove the Drill Bit and Drill Sleeve, the K-wire remains in place (**Figure 6**).

7. **A.** Connect the Reamer to the Quick-connect Handle

B. Insert the Reamer over the K-wire

C. Manually rotate the Reamer clockwise until the indicator line is no longer visible from all sides to ensure the correct depth of the hole (**Figure 7**).

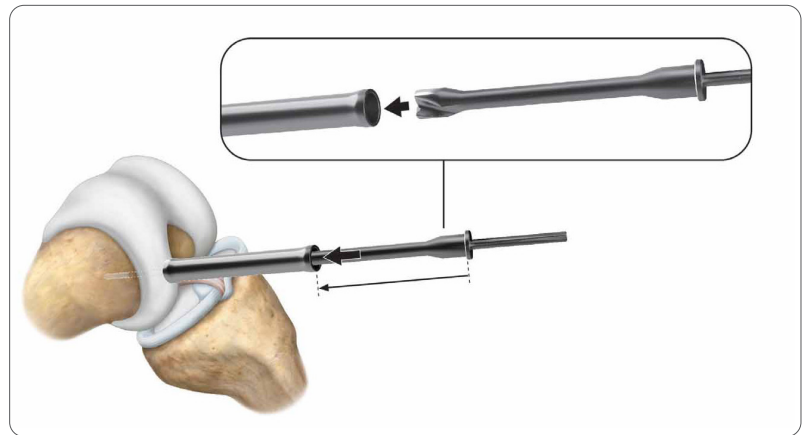


Figure 5

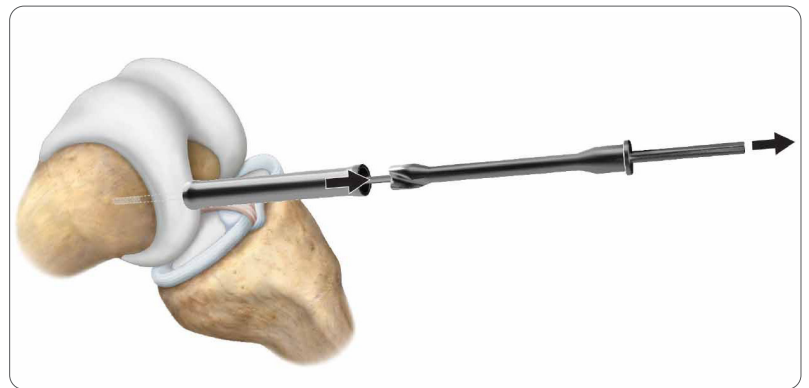


Figure 6

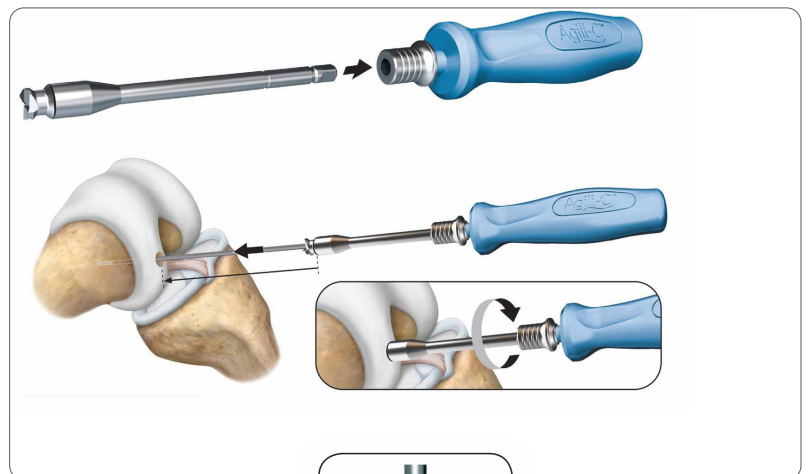
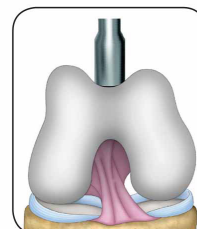


Figure 7



Central trochlear lesions
The indicator line should reach the articular surface level of the sulcus

CARTIHEAL AGILI-C Surgical Technique, *continued*

8. Remove the Reamer and rinse the hole with saline to wash out any debris, the K-wire remains in place (**Figure 8**).

9. **A.** Release the Reamer from the Quick-connect handle and connect the Shaper to the Quick-connect handle

B. Insert the Shaper over the K-wire

C. Manually rotate clockwise until the indicator line is no longer visible from all sides (**Figure 9**).

10. Remove the Shaper and the K-wire and rinse the hole with saline to wash out any debris (**Figure 10**).

11. Trim the peripheral cartilage using the Cartilage Cutter or a scalpel to ensure smooth edges and to avoid invagination during implant insertion (**Figure 11**).

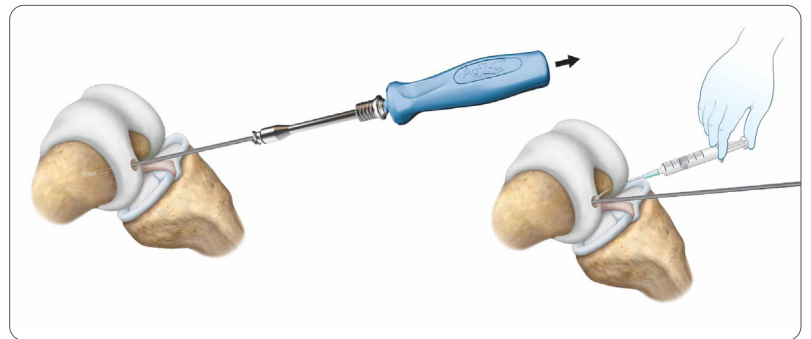


Figure 8

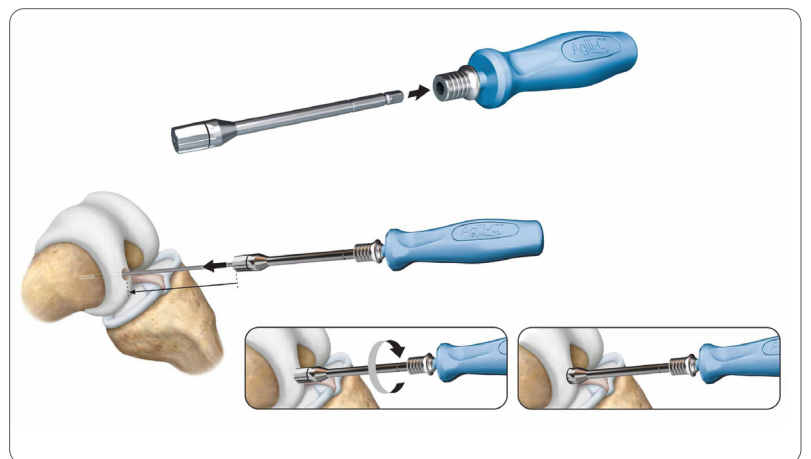


Figure 9

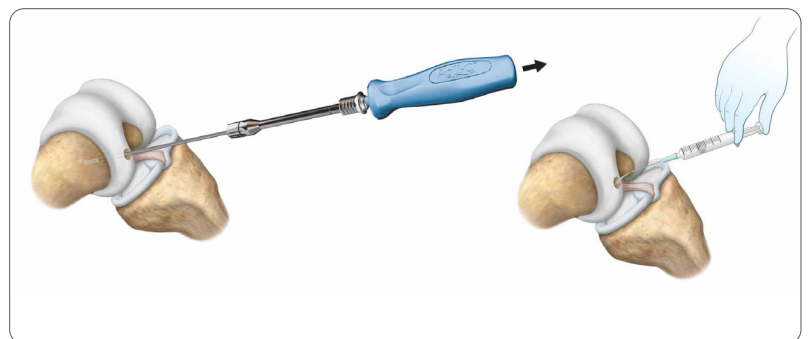


Figure 10

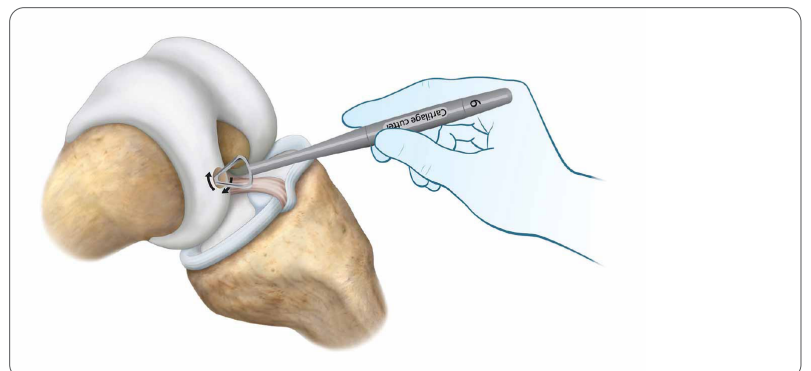


Figure 11

CARTIHEAL AGILI-C Surgical Technique, *continued*

12. **A.** CARTIHEAL implant (**Figure 12**).

B. Manually insert the CARTIHEAL implant into the hole

C. Firmly push the implant using the thumb until it is flush with the articular cartilage

D. Implant flush with articular cartilage

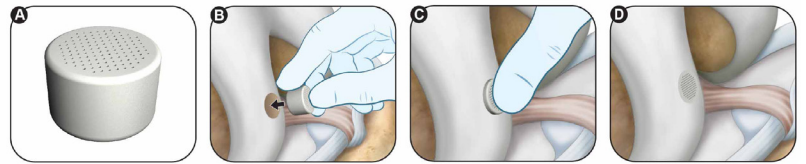


Figure 12

13. Gently push the Tamper to insert the CARTIHEAL AGILI-C Cartilage Repair Implant so its final position is 2mm below the surface of the articular cartilage (**Figure 13**).

14. When multiple CARTIHEAL implants are used, it is important to keep a bone bridge of at least 5mm between the implants to avoid impingement (**Figure 14**).

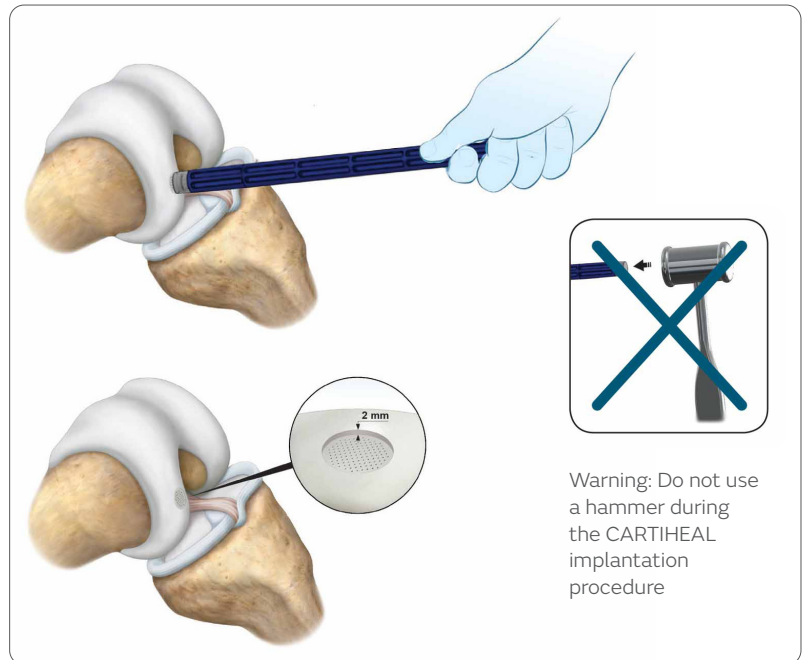


Figure 13

Precautions

1. During and post implantation visually inspect the CARTIHEAL implant to make sure that it is not fractured. If the CARTIHEAL implant is fractured, remove it and replace with a new implant.
2. The CARTIHEAL implant must be recessed at least 2mm below the articular surface.

NOTE: Do not leave any implant protrusions

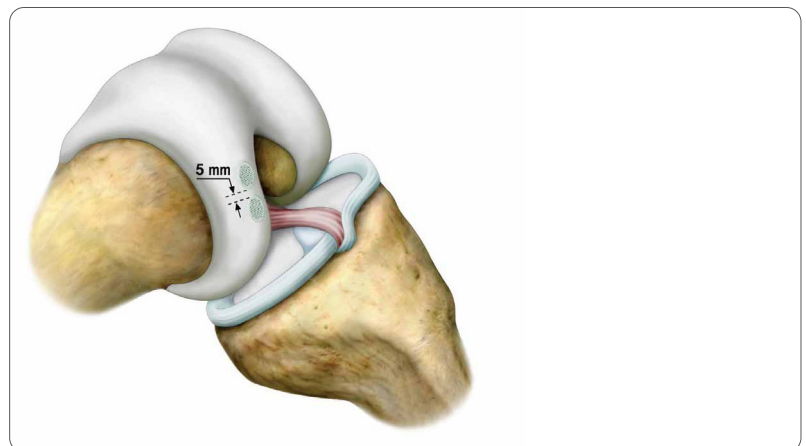


Figure 14

Ordering information

CARTIHEAL [°] AGILI-C [°] Cartilage Repair Implant	
Reference #	Description
CH-075	CARTIHEAL AGILI-C Implant Pack, 7.5mm, single pack
CHP0752	CARTIHEAL AGILI-C Implant Pack, 7.5mm, two per pack
CHP0753	CARTIHEAL AGILI-C Implant Pack, 7.5mm, three per pack
CHP0755	CARTIHEAL AGILI-C Implant Pack, 7.5mm, five per pack
CH-100	CARTIHEAL AGILI-C Implant, 10mm, single pack, (rescue only)
CH-125	CARTIHEAL AGILI-C Implant, 12.5mm, single pack, (rescue only)
MINI-DS	Mini-Disposable Tools set (K-wire, Tamper)
RU-TRAY-F	Instrument Tray, reusable

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 Smith+Nephew representative or distributor if you have questions about the availability of Smith+Nephew products in your area.

Additional instruction

To order the instruments used in this technique, call **+1 800 343 5717** in the U.S. or contact an authorized Smith+Nephew representative. Prior to performing this technique, consult the Instructions for Use documentation provided with individual components – including indications, contraindications, warnings, cautions and instructions.

CAUTION: U.S. Federal law restricts this device to sale by or on the order of a physician.

Learn more at [smith-nephew.com](https://www.smith-nephew.com)



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