EXACTECH **KNEE**

Operative Technique
Addendum

OPTETRAK LOGIC®

Primary Logic CC
with Logic LPI® Instruments

Exactech® *Surgeon focused. Patient driven.™*

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INTRODUCTION

In primary total knee replacement cases where a surgeon may require increased constraint, the Optetrak Logic CC Total Knee System may be used.

In cases where a CC insert is used, it is recommended that a minimum 14mm x 25mm stem extension be attached to both the femoral component and tibial tray component to help enhance implant fixation.

Figure 1
Distal Resection with LPI Instruments

Figure 2
Femoral Sizing

DISTAL FEMORAL PREPARATION

Follow the Logic main operative technique (712-25-31 Rev C) with the Logic Low Profile Instrumentation to prepare the distal femur.

The 5-degree LPI Intra-medullary Alignment Guide Bushing should be used at this step because the Logic CC femoral boss is fixed at 5 degrees *(Figure 1)*.

FEMORAL SIZING

The LPI Femoral A/P Sizer should be used to size the femur to the nearest Logic CC implant. Logic CC femoral components are available in sizes 1, 2, 3, 4 and 5 *(Figure 2)*.

DETAILED OPERATIVE TECHNIQUE

SURGICAL TECHNIQUE

Figure 3
Femoral Finishing Guide Resection

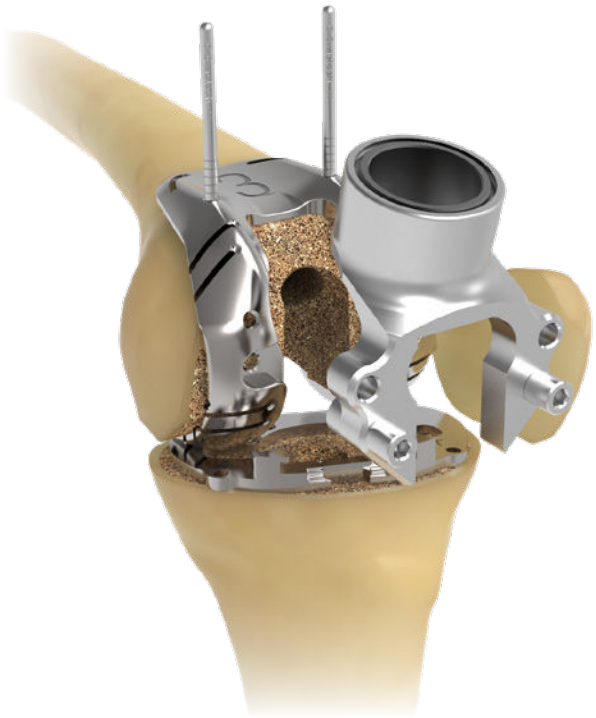

Figure 4
Assemble Femoral Trial with Notch Guide

FEMORAL FINISHING GUIDE RESECTION

Continue to follow the Logic main operative technique (712-25-31) with the Logic Low Profile Instrumentation through the femoral finishing guide step *(Figure 3)*.

FEMORAL NOTCH RESECTION

Reference the Optetrak Logic CC Operative Technique (712-29-30) for more detail on the assembly of the instrumentation.

Based on the previously determined femoral component size, place the Logic Femoral Base Trial on the distal femur and Assemble the Notch Cutting Guide to the Femoral Base Trial using the 3.5mm Hex Driver to tighten both screws. *(Figure 4)*.

Note: *DO NOT ENGAGE THE BREAKAWAY TORQUE FEATURE TO TIGHTEN THE SCREWS. Over-tightening the screws may damage the instruments.*

Pin the assembly on the femoral bone using either the distal or anterior flange pin holes.

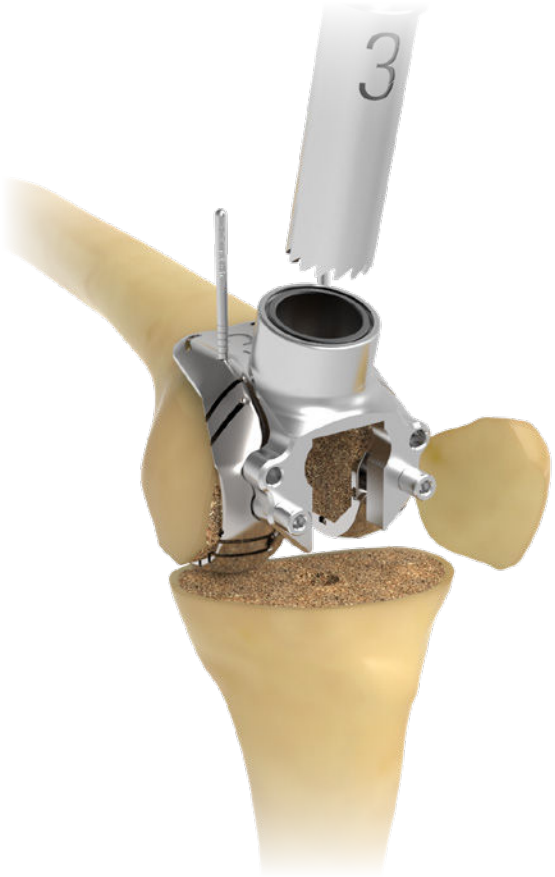

Figure 5
Prepare Notch

Figure 6
Remove Bone Remnants

Attach the Logic Femoral Notch Cutter to a power drill. With the knee in flexion, introduce the Notch Cutter into the Notch Cutting Guide, making sure that the drill is set on "drill" setting. Once the teeth on the Notch Cutter have cleared the black bushing and before the teeth contact the bone, activate the drill. Apply pressure to the Notch Cutter as it travels posteriorly and ream until the Notch Cutting Guide prevents the Notch Cutter from further travel *(Figure 5)*.

Turn the power drill off, and remove the Notch Cutter from the Cutting Guide. Do not activate the drill while removing the Notch Cutter to prevent the cutting teeth from scoring the black bushing.

Due to the cylindrical shape of the Notch Cutter, it is necessary to remove any existing bone remnants from the distal femur. It is recommended to use a sagittal saw to remove the bone remnants, aligning the saw to the inner surfaces of the Notch Cutting Guide and trim the medial and lateral sides of the notch *(Figure 6)*. Remove the Notch Guide after all cuts are performed.

Figure 7
Boss Preparation

Figure 8
Stem Preparation

FEMORAL STEM PREPARATION

Attach the Femoral Boss Reamer Guide to the Notch Cutting Guide and use the Femoral Boss Reamer to prepare the bone. The Femoral Boss Reamer should be advanced into the femur until the depth stop is engaged *(Figure 7)*.

Remove the Femoral Boss Reamer Guide and the Notch Cutting Guide from the Femoral Base Trial. Attach the 14mm Reamer to the T-handle and ream by hand along the hole created by the Femoral Boss Reamer until the desired depth is reached to accommodate a 14mm x 25mm stem extension or 14mm x 40mm stem extension *(Figure 8)*.

Select the CC Modular Femoral Box Trial corresponding to the appropriate size and orientation (left or right) Femoral Base Trial. Attach the appropriate length and diameter stem extension trial to the Modular Femoral Box Trial.

Figure 9
Femoral Trial Assembly

Attach the Modular Femoral Box Trial and Stem Extension Trial to the Femoral Base Trial using the 3.5mm hex driver and two screws on the distal surface *(Figure 9)*. Preparation for the Optetrak Logic CC femoral component is complete.

TIBIAL PREPARATION

For tibial stem extension preparation, follow the Optetrak Logic CC Operative Technique.

For additional device information, refer to the Optetrak Logic–Instructions for Use for a device description, indications, contraindications, precautions and warnings. For further product information, please contact Customer Service, Exactech, Inc., 2320 NW 66th Court, Gainesville, Florida 32653-1630, USA. (352) 377-1140, (800) 392-2832 or FAX (352) 378-2617.

Exactech, as the manufacturer of this device, does not practice medicine, and is not responsible for recommending the appropriate surgical technique for use on a particular patient. These guidelines are intended to be solely informational and each surgeon must evaluate the appropriateness of these guidelines based on his or her personal medical training and experience. Prior to use of this system, the surgeon should refer to the product package insert for comprehensive warnings, precautions, indications for use, contraindications and adverse effects.

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GLOBAL HEADQUARTERS
2320 NW 66TH COURT
GAINESVILLE, FL 32653 USA

+1 352.377.1140
+1 800.EXACTECH
+1 352.378.2617
www.exac.com