



Central Access Solutions: Cannula Access System Technique Guide

Surgical Technique Guide
Hip Arthroscopy System

1. Product Overview

The Central Access System is a single-use cannula kit designed to streamline hip arthroscopy access. Built for both central and peripheral compartments, it eliminates the need for separate sterile

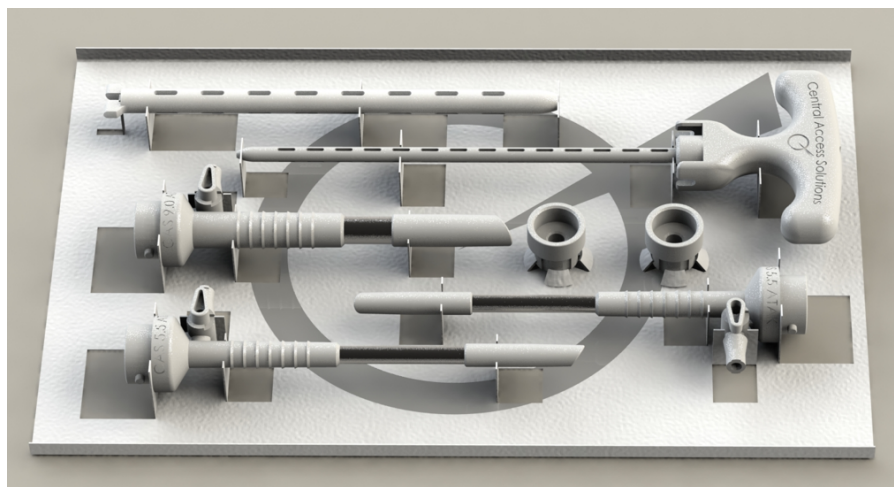
components or external fluid bridges. The system integrates a patented fluid valve bridge, a ceramic distal tip to protect cartilage, and a ribbed proximal grip for secure fixation.

2. Kit Components

The Central Access Disposable Kit includes: Cannulated obturator with ergonomic handle 5.5 mm and 8.0 mm working cannulas Integrated valve bridge with rotatable stopcock Obturator sleeves (short/long) Fluid management ports

3. Key Advantages

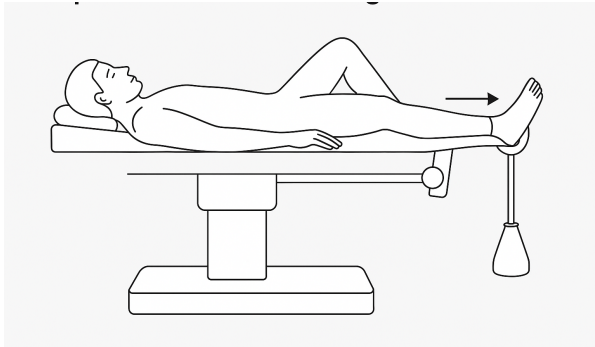
All-in-one disposable kit (no reusable instruments) Compatible with leading visualization systems (Stryker, Arthrex, Smith & Nephew) Reduces setup and sterilization time Maintains fluid integrity and visualization Expanded working diameter for multiple instruments Suitable for hip, knee, and shoulder arthroscopy.



4. Surgical Technique

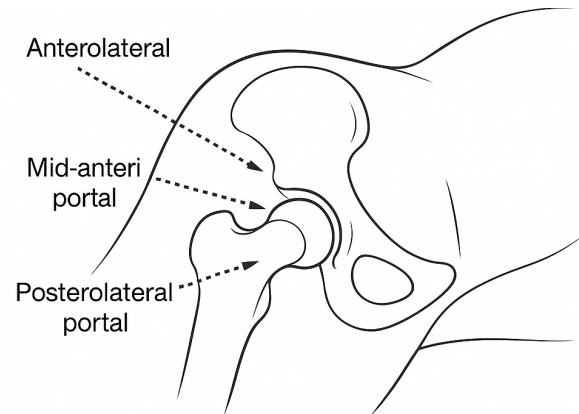
Step 1: Patient Positioning

Position the patient in supine or lateral decubitus position on a traction table. Apply traction to distract the hip joint 8–10 mm for safe access.



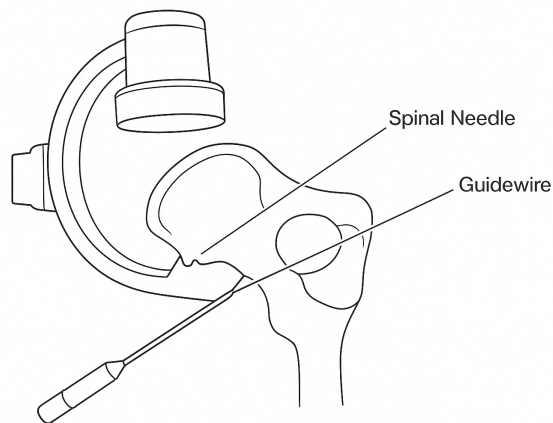
Step 2: Portal Planning

Identify standard anterolateral, mid-anterior, and posterolateral portals under fluoroscopic guidance



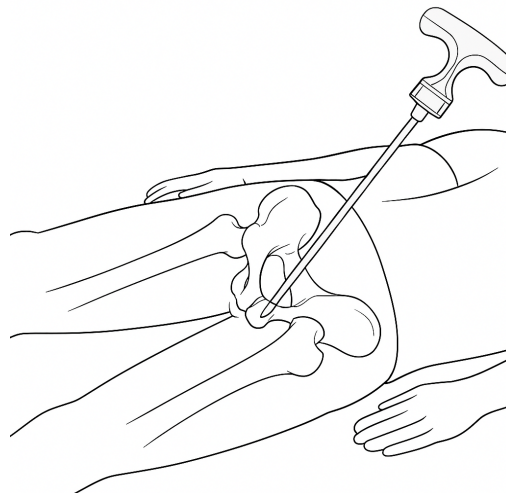
Step 3: Guidewire Insertion

Insert a spinal needle into the central compartment under fluoroscopy and advance a guidewire through the needle into the joint space.



Step 4: Cannulated Obturator Advancement

Mount the obturator over the guidewire and advance through soft tissue until joint capsule penetration is achieved. Maintain controlled pressure (ceramic tip protects cartilage upon entry.)



Step 5: Cannula Placement

Advance the working cannula over the obturator. The ribbed proximal end provides stability. Remove obturator, leaving cannula in place.

Step 6: Fluid Connection & Instrumentation

Connect irrigation tubing to the integrated stopcock valve. Introduce arthroscope and instruments through the cannula without fluid loss.

