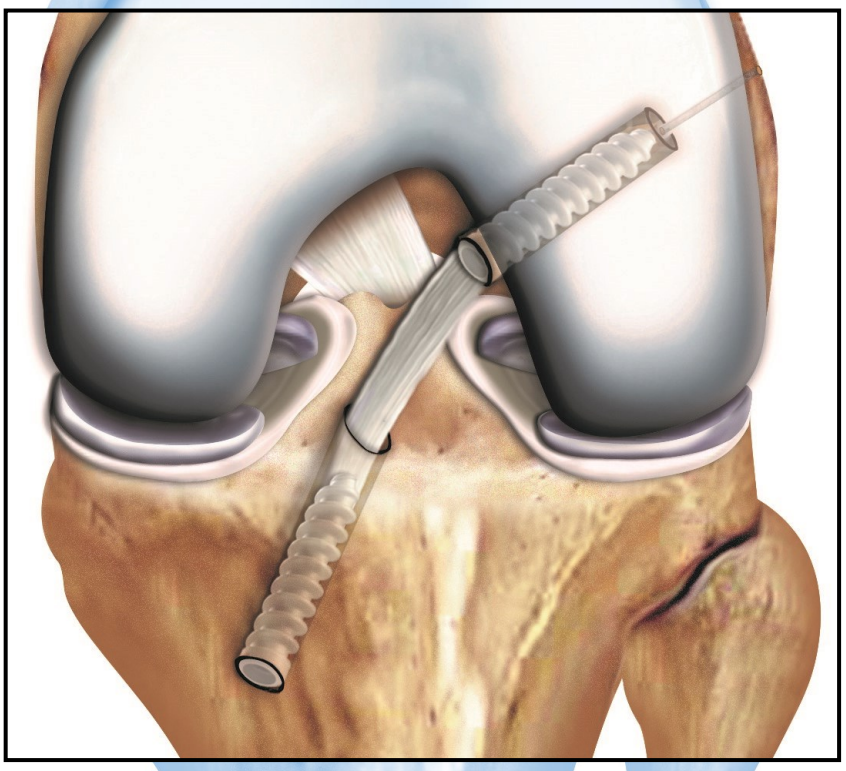
ACL Reconstruction Surgical Technique Guide Using FIBERFIX™ Interference Screw



NANOVA

Preparation & Graft Passing

Figure 1

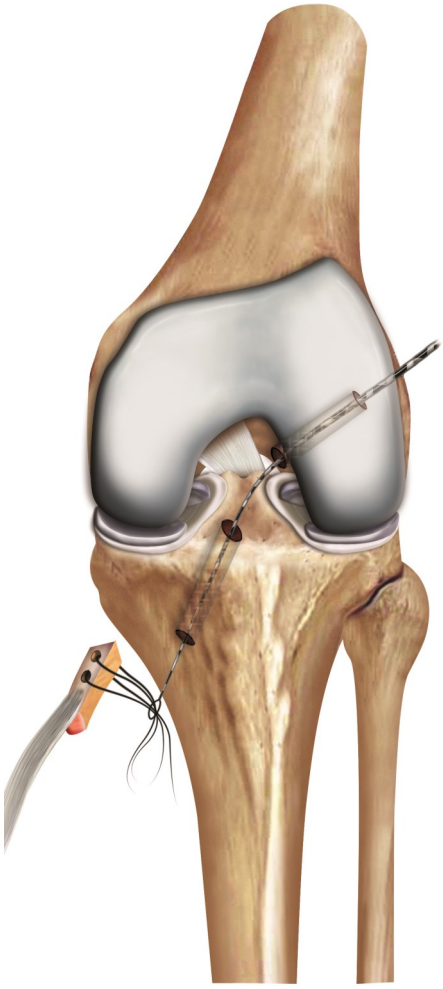
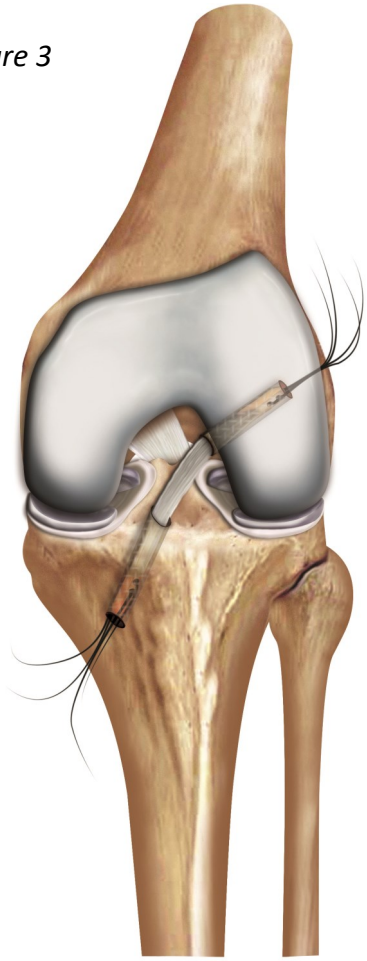


Figure 2

Figure 3



The knee is prepared for arthroscopic surgery using standard methods to place portals. A graft is obtained and prepared for reconstruction through standard procedures.

The femoral and tibial tunnels are prepared with the appropriate angles and parameters (Figure 1). The tunnel depth should be the length of the interference screw at the minimum, and tunnel diameter should be equal to the screw diameter.

Once the tunnels have been created, use a passing suture to pass the graft into the joint through the tibial tunnel and then femoral tunnel (Figure 2). Maintain tension on the graft, and ensure correct placement of graft before continuing (Figure 3).

Figure 4

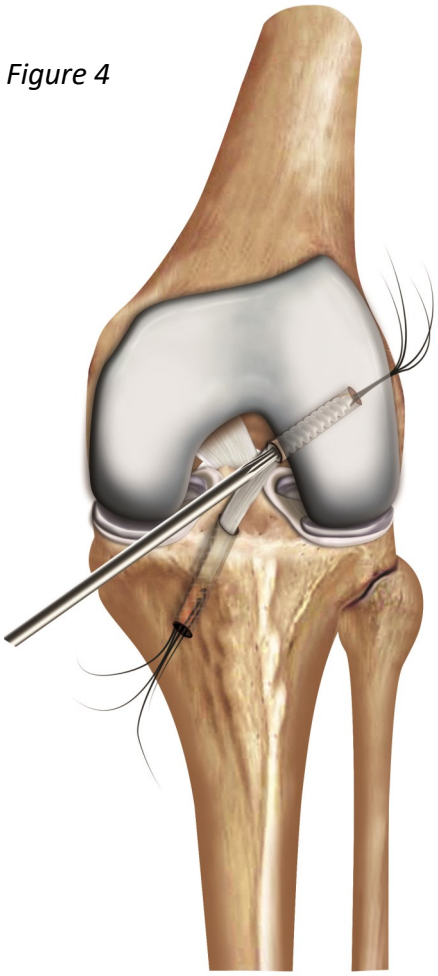


Figure 5

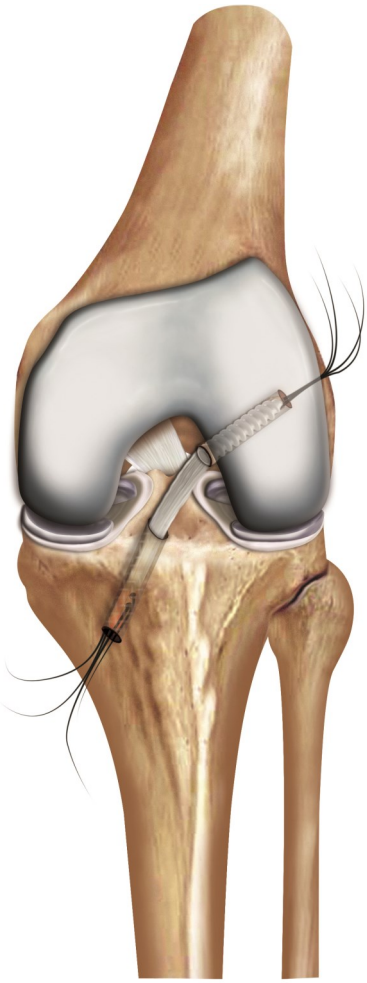
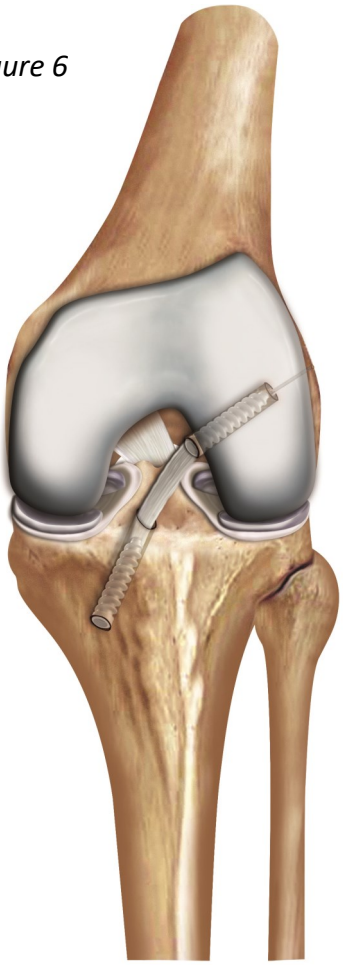


Figure 6



Place a guidewire in the femoral tunnel. If desired, the surgeon may tap over the guidewire to create a pre-threaded hole for the interference screw. Remove the tap and place the screw securely on the screw driver. Insert the interference screw over the guidewire and into the knee joint (Figure 4). Maintaining tension on the graft, fix the femoral side of the graft with the interference screw in standard fashion (Figure 5). The screw should be advanced until the head is counter sunk slightly in the femoral tunnel.

Place a guidewire into the tibial tunnel, and if desired, position a tap over the guidewire at the entrance of the tunnel and create a pre-threaded hole. Remove the tap, and fix the tibial side of the graft with the interference screw in standard fashion (Figure 6). Ensure that graft tension is maintained during placement of the screw . Check that full extension of the knee is possible.

Ordering Information

FiberFix™ Interference Screws:

Interference Screw, 7 x 23 mm	90723-1
Interference Screw, 8 x 23 mm	90823-1
Interference Screw, 9 x 23 mm	90923-1
Interference Screw, 10 x 23 mm	91023-1
Interference Screw, 7 x 30 mm	90730-1
Interference Screw, 8 x 30 mm	90830-1
Interference Screw, 9 x 30 mm	90930-1
Interference Screw, 10 x 30 mm	91030-1

FiberFix™ Interference Screw Instrumentation:

Interference Screw Driver	94000-1
Interference Screw Tap, 7 mm	92007-1
Interference Screw Tap, 8 mm	92008-1
Interference Screw Tap, 9 mm	92009-1
Interference Screw Tap, 10 mm	92010-1

Nanova Biomaterials, Inc
3806 Mojave Court
Columbia, MO 65202
United States of America
Phone: (573) 875-6682
Customer Service E-mail: support@nanovabio.com
www.nanovaorthopedics.com