OMNISPAN™ Meniscal Repair

Utilizing the

CHIA PERCPASSER®
Suture Passer
Introduction: Meniscal repair is often performed in conjunction with ACL reconstruction. While many meniscal repairs are completed prior to the ACL reconstruction, it may be optimal to complete a meniscal repair with tightened implants after ACL repair is completed. If the ACL reconstruction is performed first, the medial space is tighter, there is a higher chance of scuffing the femoral chondyle cartilage, more pressure is potentially placed on the ACL reconstruction with manipulation of the knee, and there can be more bleeding. These factors can all contribute to making the meniscal repair more difficult. This technique involves the use of CHIA PERCPASSER® with OMNISPAN™ meniscal repair device, so that the OMNISPAN(s) can be placed through the meniscus first, but tightened and cut after the ACL reconstruction, allowing more space and helping avoid complications.

Summary: The medial meniscal repair is performed in the usual fashion with OMNISPAN, penetrating both sides of the tear. However, once the first stitch is placed, instead of cinching it down immediately, the CHIA is introduced through a spinal needle more medially. The suture of the OMNISPAN is then brought out percutaneously by threading it into the kite end of the CHIA, and then extracting. This procedure is then repeated for any subsequent OMNISPAN(s). Do not tighten the OMNISPAN(s). At this point, the ACL reconstruction is performed in the usual fashion. Since the sutures are far medial, they are not in the way of the portals. After completion of the ACL reconstruction an atraumatic suture grasper is used to retrieve each OMNISPAN suture, and the repair is tightened down at the end. This same technique can be performed for a lateral meniscal repair/ACL reconstruction, with the CHIA introduced far laterally through a spinal needle.

Also, in the case of an isolated medial or lateral meniscus repair, the CHIA can be beneficial, because it can get the other sutures out of the way when doing multiple OMNISPAN implants. At the end of the procedure, the OMNISPAN(s) can be tightened down sequentially, and then re-tightened before cutting them, providing sequential compression to the meniscal tear.