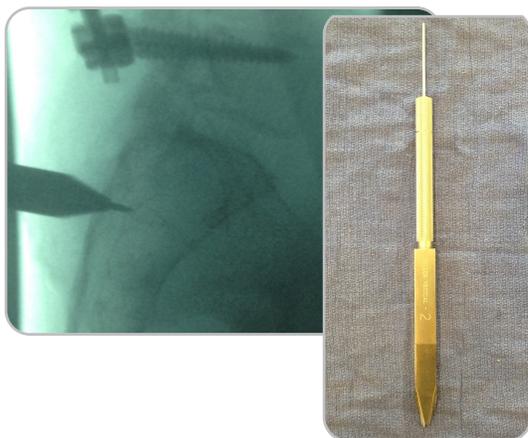


Biological Posterior Sacroiliac Fusion Procedure (B-PSIF)



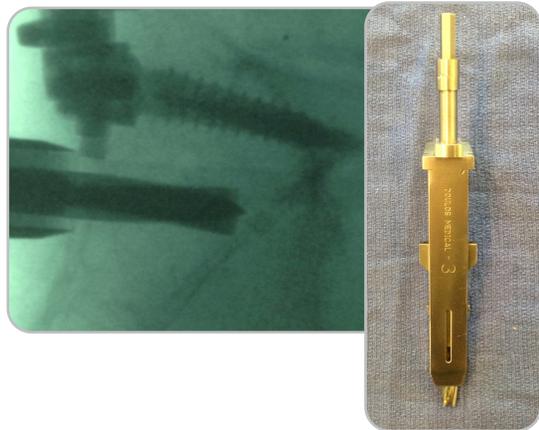
Step 1: The blunt tipped joint finding tool is impacted along the posterior iliac crest to the sacroiliac joint. Once it is in the proper position, a pin is placed down through the tool and impacted down into the joint. The tool is removed and the pin placement is verified with x-ray.



Step 2: An incising tool is impacted down over the pin to the joint, cutting the posterior capsule and ligaments.



Step 3: A portal is placed over the incising tool and impacted down to the joint. It is held in place with a pin in the sacrum and a pin in the iliac crest. Following placement of the portal, the incising tool and 'joint pin' are removed. The position of the portal is verified, utilizing fluoroscopy looking down the portal to see the sacroiliac joint.



Step 4: A drill guide/stop is placed inside the portal and a drill bit is used to cut the subchondral bone on both sides of the joint.



Step 5: The small and large brooches are impacted in and out of the joint to rasp both sides of the joint into the medullary canal.



Step 6: Abundant allograft including putty/stem cells was impacted down into the joint solidly. The equipment was removed and the wound was closed in layers. Final x-rays were obtained. Sterile dressings were applied and the patient was then returned to the recovery room in stable condition.