



2020 Annual Meeting

August 2 - 4, 2020 | Mackinac Island, MI
Grand Hotel

SP 7. ROBOTIC TRAUMATIC HERNIA REPAIR AFTER BLUNT IMPACT WITH PROJECTILE BEER KEG

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Background: Patient is a 48 year old male who sustained a blunt force trauma, struck by an exploding beer keg, damaging his left abdomen and arm. He presented to the OSF St. Francis ED in Peoria, IL, on 3/07/2019 endorsing immediate pain and deformity to his left arm. In the trauma bay, he denied pain but reported numbness. He sustained no other extremity injuries. X-rays taken in the trauma bay demonstrated a dislocation of the elbow, which was reduced and splinted at a 90 degree angle by orthopedic surgery.

He had an obvious defect in the left abdomen and was noted to have a traumatic hernia. He was admitted to the ICU for further evaluation and monitoring of his traumatic injuries. He was also noted to have some residual left radial nerve dysfunction at that time. On 03/08/2019, one day after his presentation, he was taken to the operating room for a robotic traumatic Spigelian hernia repair with mesh and repair of a Morel-Lavallee lesion of the abdominal wall. Postoperatively, a wound vac was placed to the abdominal wound to assist in closing his large tissue defect. His recovery was complicated by an ileus that resolved with non-operative management. Orthopedic surgery diagnosed his paresthesia as radial nerve palsy and elected to treat it conservatively with spontaneous resolution. He discharged safely tolerating a regular diet, ambulatory, voiding spontaneously, and pain well controlled on oral medications. The patient was discharged home with family assistance and home health therapy and home wound VAC.

His first clinic follow-up on 03/28/2019 demonstrated excellent recovery with a seroma beneath the Morel-Lavallee lesion. Wound vac therapy was continued and he was seen one month later where he was noted to have a nearly healed wound without drainage. The wound vac was removed and he was transitioned to wet-to-dry dressings to be followed up in 1-2 months. His last follow-up was 07/11/2019, which demonstrated near normal function and return of use of his left arm. It was scheduled to see him in one year's time for follow up.

