

# OSTEOTOMY OF THE ANTERIOR SUPERIOR ILIAC SPINE FOR PELVIC AND ACETABULAR FRACTURE SURGERY.

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**PURPOSE:** To improve the exposure offered through the lateral window along the iliac crest (window #1) when performing open reduction internal fixation of acetabular and pelvic fractures.

## **BENEFITS:**

- 1) Improved anterior exposure of the sacro-iliac joint
- 2) Improved exposure of the internal iliac fossa, psoas gutter, pubic root and anterior wall for acetabular fractures, without opening the middle window (#2).
- 3) Improved access to the posterior column and quadrilateral surface from the lateral window for reduction clamp placement.
- 4) Improved access to the retro-supra-acetabular bone for reduction clamp placement.
- 5) Decreased risk of injury to the Lateral Femoral Cutaneous Nerve (LFCN).

## **TECHNIQUE:**

- 1) Leave the distal 2 cm of External Oblique attached to ASIS
- 2) Develop interval between Tensor Fascia Lata and Sartorius
- 3) Expose the LFCN
- 4) Elevate a small portion of TFL off the outer table to expose inter-spinous notch
- 5) Leave Sartorius attached to ASIS –resulting in a digastric osteotomy
- 6) Oscillating saw with irrigation or curved osteotome to perform the osteotomy from approximately 2cm proximal to ASIS into the inter-spinous notch
- 7) LFCN stays with Sartorius as it is retracted medially with ASIS and iliopsoas to expose the psoas gutter, pubic root and anterior wall (release rectus from AIIS)
- 8) Repair the osteotomy with a single 3.5mm lag-screw into the iliac tubercle. ( I don't pre-drill it)
- 9) You will love it.

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