

Tension Band Wiring Olecranon Process Fracture Using Polyethylene Sutures and Percutaneous Pins

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A 14-year-old male presents with a right elbow injury from a fall during soccer. Physical exam shows decreased range of motion, swelling, deformity, and tenderness at the olecranon.

X-rays reveal 18 mm displaced fracture of the olecranon process. Open reduction internal fixation of the elbow was performed using number 2 polyethylene suture and percutaneous k-wires. This avoids reoperation to remove hardware without compromising the quality of reduction. This was first described in 2006 by Gortzak et al., and a similar technique is demonstrated here through audiovisual aid.

Level of Evidence: Not applicable

FDA: FDA clearance is not applicable

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