

# SURGICAL VERIFICATION OF PROFICIENCY

## Suturing Technique Assessment Report

**Suture Pattern:** Vertical Mattress

**Assessment Date:** September 03, 2025

### Assessment Result

**PASS - Average Score: 3.1/5.0**

### Assessment Results

#### 1. Correct deep (far-far) and superficial (near-near) passes

**Score: 3/5 (Developing Pass / Generally Reliable)**

Across the procedure, bites were consistently perpendicular with symmetric entry/exit points, and the far-far followed by near-near sequence was reproduced reliably over multiple stitches without obvious depth errors.

#### 2. Gentle tissue handling

**Score: 3/5 (Developing Pass / Generally Reliable)**

Forceps use was restrained with a single, precise grasp per edge and no visible crush or repetitive manipulation; tissue edges were controlled without excess traction.

#### 3. Square, secure knots

**Score: 3/5 (Developing Pass / Generally Reliable)**

When knotting was visible, throws laid flat and appeared square with appropriate approximation; however, knot construction was not demonstrated consistently across stitches to confirm uniform execution.

#### 4. Balanced tension deep vs superficial

**Score: 3/5 (Developing Pass / Generally Reliable)**

Deep passes provided supportive purchase while superficial passes approximated without blanching or pucker; tensioning was generally even with no focal strangulation or gapping noted.

#### 5. Even spacing (0.5-1.0 cm)

**Score: 4/5 (Proficient)**

Stitches maintained uniform intervals along the length of the wound, with consistent bite width and placement that aligned well across the repair.

## **6. Proper eversion**

### **Score: 3/5 (Developing Pass / Generally Reliable)**

Edge approximation routinely produced a slight ridge with no inversion; eversion was maintained from stitch to stitch and preserved after tightening.

## **7. Economy of time and motion**

### **Score: 3/5 (Developing Pass / Generally Reliable)**

Hands and instruments remained near the field with minimal departures, efficient reloads, and smooth progression through repeated far-far/near-near sequences without unnecessary repositioning.

## **Final Assessment**

### **Final Score: 3 - Developing Pass / Generally Reliable**

#### **Summative Comment:**

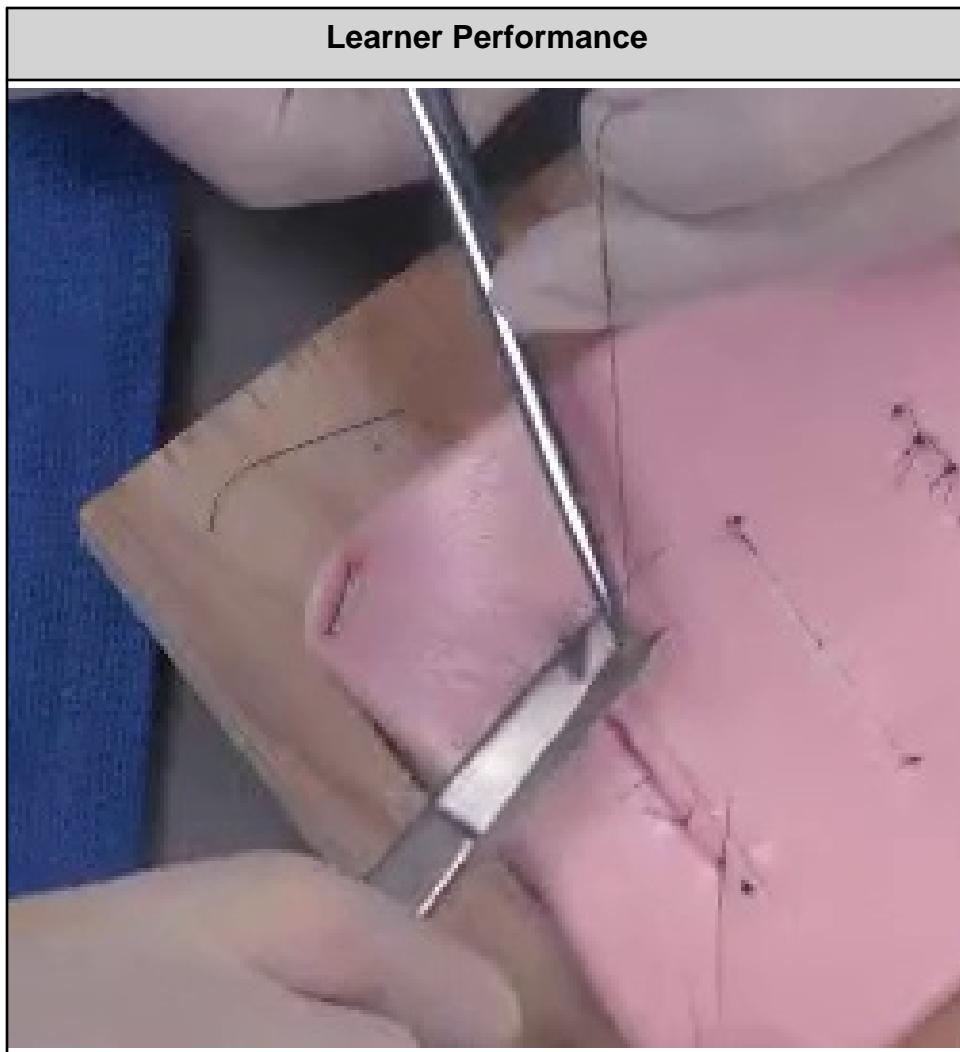
The operator demonstrates composed tissue handling and efficient workflow, moving through each pass with minimal wasted motion and maintaining balanced approximation without visible strangulation. , the performance reflects a reliable and efficient technique with strong spacing discipline and stable edge control; to reach higher mastery, the same consistency demonstrated in passes and spacing must be unequivocally evident in knot construction and closure endpoints across every stitch. When knotting was visible, throws laid flat and appeared square with appropriate approximation; however, knot construction was not demonstrated consistently across stitches to confirm uniform execution.

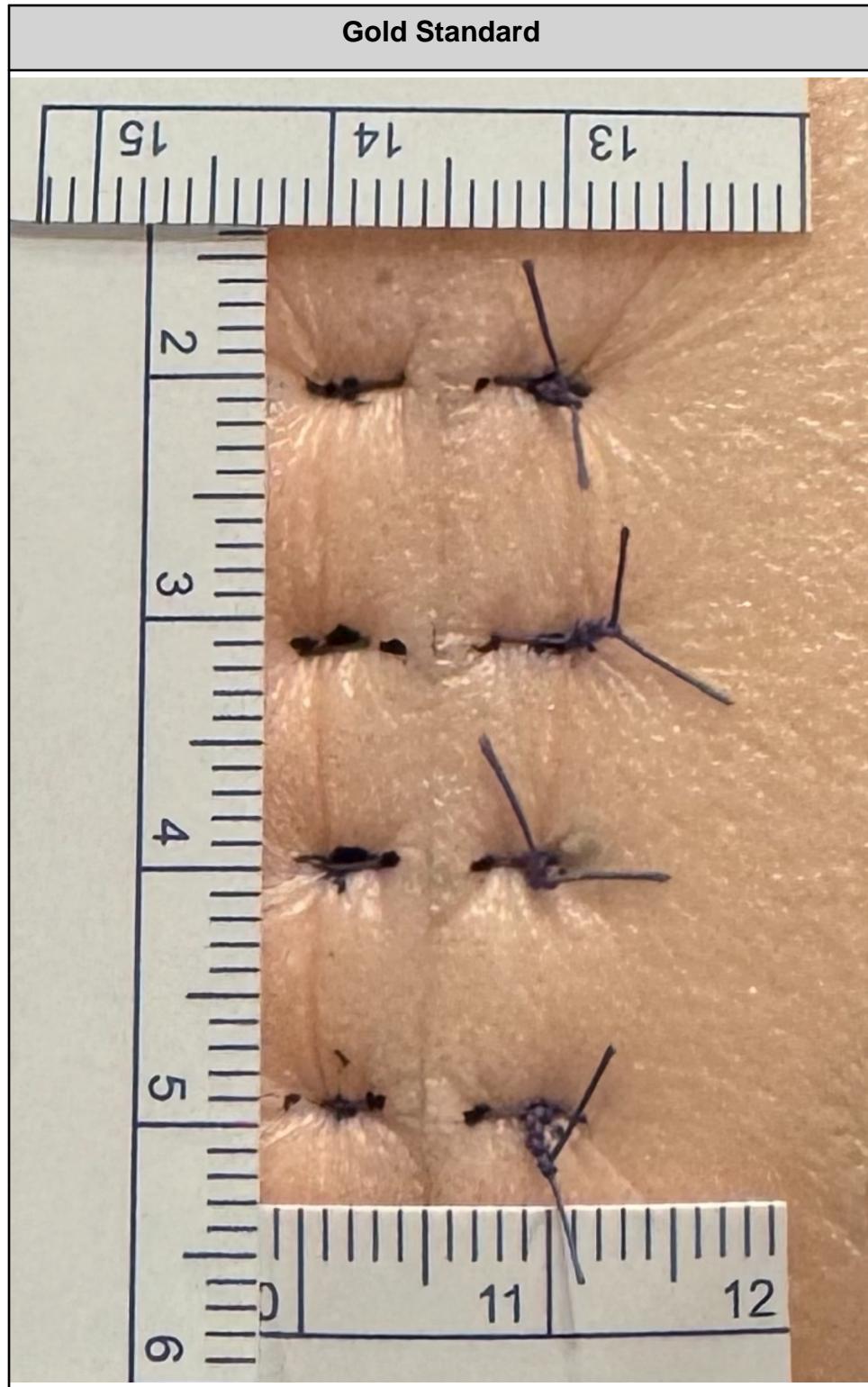
Stitches maintained uniform intervals along the length of the wound, with consistent bite width and placement that aligned well across the repair. This closure shows a reproducible vertical mattress pattern with reliable perpendicular bites, consistent bite symmetry, and uniform spacing, yielding steady eversion and cosmetically aligned edges. Edge approximation routinely produced a slight ridge with no inversion; eversion was maintained from stitch to stitch and preserved after tightening.

Knot quality appears sound in the limited sequences shown, but knot construction is not consistently displayed across the case, preventing confirmation of uniform security. Across the procedure, bites were consistently perpendicular with symmetric entry/exit points, and the far-far followed by near-near sequence was reproduced reliably over multiple stitches without obvious depth errors.

## Visual Comparison

Learner Performance vs. Gold Standard Comparison





Compare the learner's final result (top) with the gold standard (bottom) for Vertical Mattress suturing technique. The learner image has been automatically cropped to focus on the suturing pad area for optimal comparison. Evaluate technique execution, spacing, tension, and overall surgical craftsmanship.