

# SURGICAL VERIFICATION OF PROFICIENCY

## Suturing Technique Assessment Report

**Suture Pattern:** Vertical Mattress

**Assessment Date:** September 02, 2025

### Assessment Result

**PASS - Average Score: 3.0/5.0**

### Assessment Results

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

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

Passes were consistently perpendicular with symmetric bites and appropriate depth control across the case. Deep bites reliably provided support and the near-near components approximated the epidermis without gapping; a few segments had incomplete visualization of the superficial pass but subsequent stitches demonstrated correct execution.

#### 2. Gentle tissue handling

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

Edges were routinely stabilized with a single precise forceps grasp per side, with minimal re-grasping and no visible crushing or unnecessary manipulation. Instrument handling remained controlled and deliberate throughout.

#### 3. Square, secure knots

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

Multiple knot sequences were clearly square with appropriate, maintained tension and no visible loosening. Although some early knots were partially obscured, later repetitions consistently showed proper hand sequence and secure lay.

#### 4. Balanced tension deep vs superficial

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

The deep component provided firm support without strangulation, and the superficial component avoided blanching or edge ischemia, yielding stable approximation. No puckering or dog-ears were evident, and tension appeared uniformly moderated across stitches.

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

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

Stitches were placed at uniform intervals within the target range along the entire length of the closure, with no obvious crowding or excessive gaps. Entry-exit symmetry was maintained, supporting even distribution of tension.

**6. Proper eversion****Score: 3/5 (Developing Pass / Generally Reliable)**

A consistent, low-profile ridge was visible across the closure with no segments of inversion. Edge alignment was sustained after knot tying, indicating the vertical mattress configuration was functioning as intended.

**7. Economy of time and motion****Score: 3/5 (Developing Pass / Generally Reliable)**

Hands and instruments remained close to the field with minimal departures; needle reloads and knot sequences were efficient and repeatable. Occasional minor repositioning occurred but did not disrupt flow or control.

## Final Assessment

**Final Score: 3 - Developing Pass / Generally Reliable****Summative Comment:**

This performance demonstrates a reliable vertical mattress technique with consistent fundamentals: perpendicular, symmetric passes; gentle handling; balanced tension; and reproducible knot sequences that maintain approximation. Multiple knot sequences were clearly square with appropriate, maintained tension and no visible loosening. The deep component provided firm support without strangulation, and the superficial component avoided blanching or edge ischemia, yielding stable approximation.

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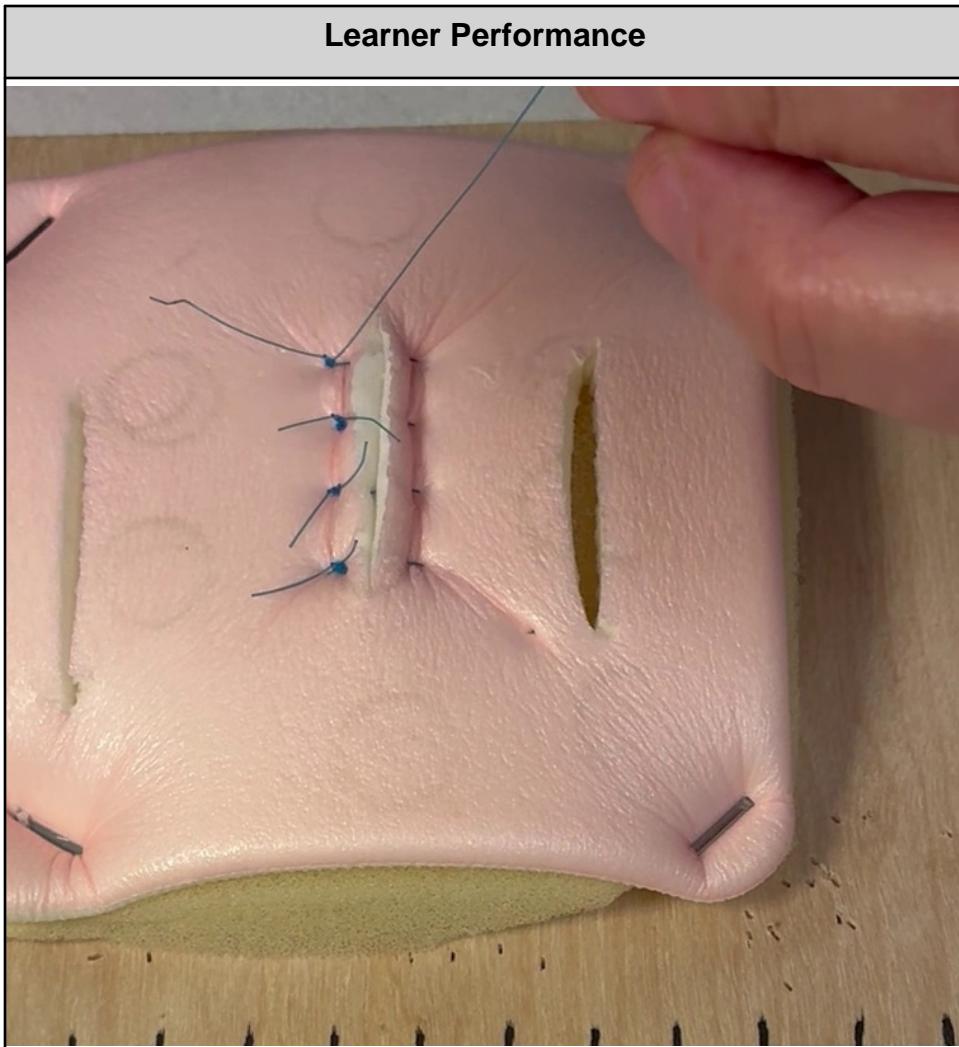
Hands and instruments remained close to the field with minimal departures; needle reloads and knot sequences were efficient and repeatable. The line is evenly spaced with durable eversion, indicating thoughtful control of depth and bite placement and good integration of the far-far/near-near construct. Passes were consistently perpendicular with symmetric bites and appropriate depth control across the case.

A consistent, low-profile ridge was visible across the closure with no segments of inversion. Deep bites reliably provided support and the near-near components approximated the epidermis without gapping; a few segments had incomplete visualization of the superficial pass but subsequent stitches demonstrated correct execution. Edges were routinely stabilized with a single precise forceps grasp per side, with minimal re-grasping and no visible crushing or unnecessary manipulation.

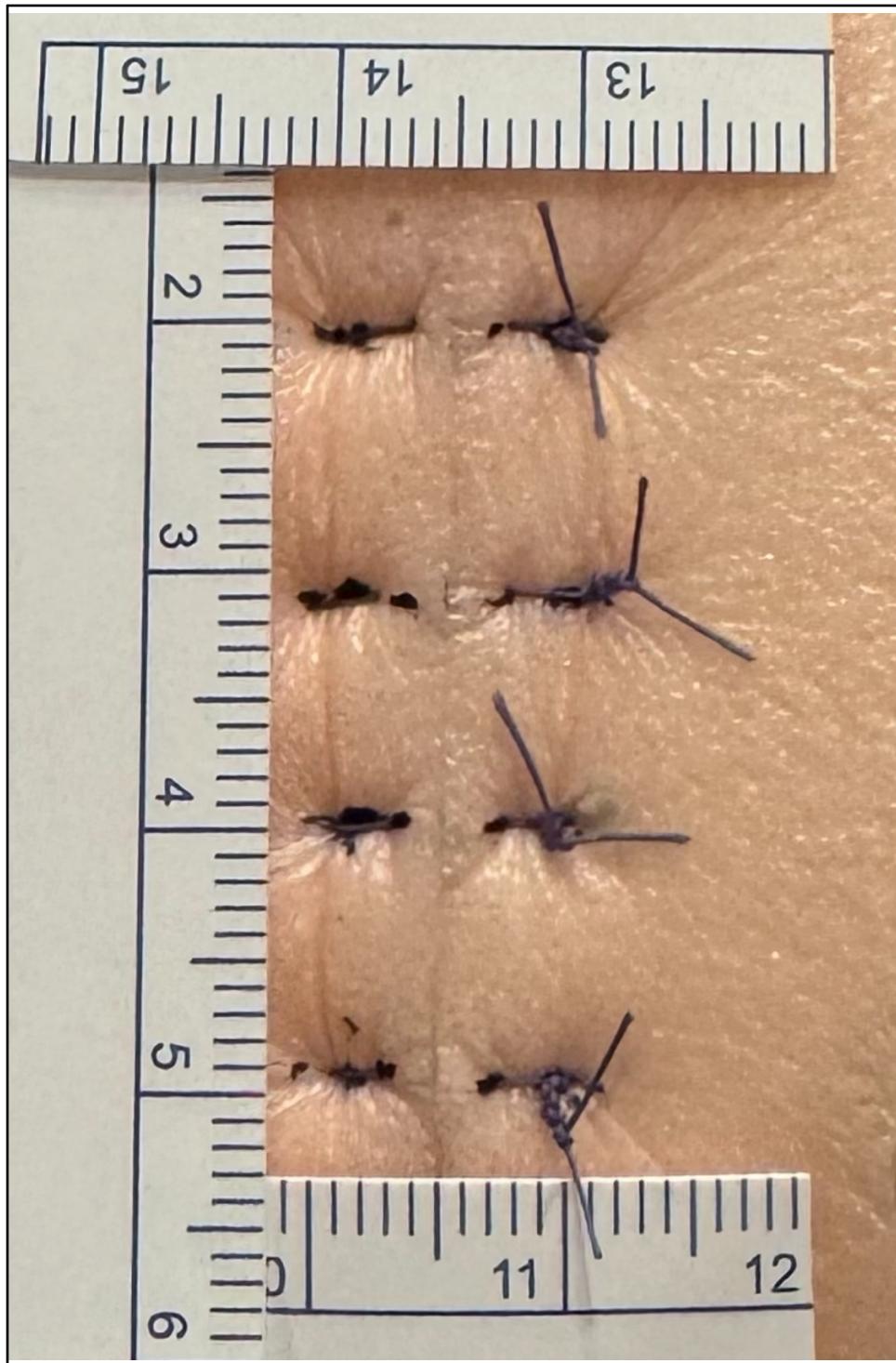
Instrument handling remained controlled and deliberate throughout.

## Visual Comparison

Learner Performance vs. Gold Standard Comparison



**Gold Standard**



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.