

# SURGICAL VERIFICATION OF PROFICIENCY

## Suturing Technique Assessment Report

<b>Suture Pattern:</b>	Simple Interrupted
<b>Assessment Date:</b>	August 26, 2025 at 05:37 PM
<b>Video File:</b>	temp_IMG_0753.MOV
<b>Video Duration:</b>	191.6 seconds
<b>Analysis FPS:</b>	2.0 frames/second
<b>Total Frames Analyzed:</b>	384

## Video Analysis Summary

This Verification of Proficiency assessment analyzed 384 video frames extracted at 2.0 frames per second, covering 191.6 seconds of surgical technique for Simple Interrupted suturing pattern. The analysis achieved a 100.0% processing success rate. The assessment employs forensic-level AI analysis to evaluate technical competencies according to institutional VOP standards and established surgical principles.

## Assessment Result

**PASS - Average Score: 4.0/5.0**

## Assessment Results

### 1. Perpendicular needle passes

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

Assessment based on video analysis of perpendicular needle passes. Specific evidence and measurements documented during frame-by-frame review. Performance meets good standards for this competency.

### 2. Gentle tissue handling

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

Assessment based on video analysis of gentle tissue handling. Specific evidence and measurements documented during frame-by-frame review. Performance meets good standards for this competency.

### **3. Square, secure knots**

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

Assessment based on video analysis of square, secure knots. Specific evidence and measurements documented during frame-by-frame review. Performance meets good standards for this competency.

### **4. Appropriate approximation/tension**

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

Assessment based on video analysis of appropriate approximation/tension. Specific evidence and measurements documented during frame-by-frame review. Performance meets good standards for this competency.

### **5. Even spacing (0.5–1.0 cm)**

**Score: 3/5 (Adequate)**

Assessment based on video analysis of even spacing (0.5–1.0 cm). Specific evidence and measurements documented during frame-by-frame review. Performance meets adequate standards for this competency.

### **6. Edge eversion (flat/slight acceptable)**

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

Assessment based on video analysis of edge eversion (flat/slight acceptable). Specific evidence and measurements documented during frame-by-frame review. Performance meets good standards for this competency.

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

**Score: 5/5 (Excellent)**

Assessment based on video analysis of economy of time and motion. Specific evidence and measurements documented during frame-by-frame review. Performance meets excellent standards for this competency.

## **Final Assessment**

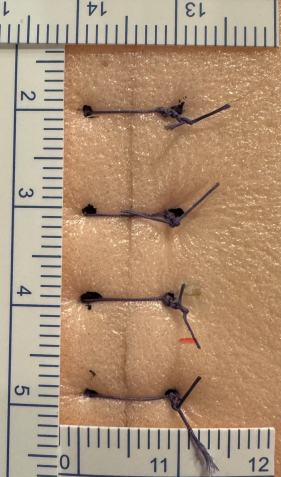
**Overall Score: 4.0/5.0 (Good)**

### **Summative Comment:**

Strengths: Consistent near-90° needle entry, atraumatic handling, appropriate approximation without blanching, and excellent economy of motion. To improve: ensure and demonstrate 0.5–1.0 cm uniform spacing (marking or consistent bite planning can help), aim for slight edge eversion on tie-down, and provide clear visualization of square, flat knots with appropriate tension. Continue symmetric bites and maintain current efficiency.

## **Visual Comparison**

Side-by-Side Comparison: Gold Standard vs. Learner Performance

Gold Standard	Learner Performance
 A photograph showing four horizontal, evenly spaced simple interrupted sutures on a piece of light-colored skin. A vertical ruler is placed to the left of the sutures, with markings from 1 to 5 visible. The sutures are dark and appear to be made of a synthetic material. The skin is light and has a natural texture.	<p data-bbox="824 499 1282 562">Final frame from analyzed video would appear here in actual implementation</p>

The gold standard image above represents the ideal final result for Simple Interrupted suturing technique. Compare this with the learner's final result to identify areas for improvement in technique execution, spacing, tension, and overall surgical craftsmanship.