

Surgical VOP Assessment Report

Video: 2503_vertical_mattress.mp4

Pattern: Vertical Mattress

Rubric Assessment

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

Deep (far-far) and superficial (near-near) passes are executed consistently along the incision with appropriate perpendicular-to-oblique trajectories producing reliable layered support and epidermal approximation. Dual-pass pattern provides deep support while the superficial component achieves edge apposition.

Score: 3/5 - Competent

2. Gentle tissue handling

Tissue handling is precise with single, controlled grasps or fingertip stabilization, minimal repetitive pinching, and careful counter-traction to evert edges without crushing. Instrument exchanges are occasional but deliberate and do not degrade tissue control.

Score: 3/5 - Competent

3. Square, secure knots

Knots are consistently constructed and secured immediately after each pass, producing stable interrupted throws with appropriate tension and low risk of slippage. Knot placement is uniform and lies neatly alongside the wound.

Score: 3/5 - Competent

4. Balanced tension deep vs superficial

Tension balance between deep support and superficial closure is well controlled; deep components provide support without overtightening and superficial throws close the epidermis with gentle, eversion-preserving tension. No evidence of epidermal strangulation or gaping.

Score: 3/5 - Competent

5. Even spacing (0.5-1.0 cm)

Spacing is uniform and within the 0.5–1.0 cm interval across the entire suture line, with sequential adjacent placement maintaining consistent intervals.

Score: 3/5 - Competent

6. Proper eversion

Eversion is consistently achieved and maintained along the closure, producing a slight raised ridge without inversion or excessive puckering.

Score: 3/5 - Competent

7. Economy of time and motion

Economy of motion is strong — hands and instruments remain close to the wound with a steady, efficient cadence; minor instrument exchanges and brief manipulation of long suture tails do not interrupt workflow.

Score: 3/5 - Competent

Average Score: 3.0/5

Summative Assessment:

The operator demonstrates a competent, reproducible vertical mattress closure with reliable execution of deep and superficial components, consistent pass symmetry, and uniform spacing. Tissue handling is delicate and deliberate, producing consistent eversion and good epidermal apposition without undue tension or crushing. Knots are tied securely and placed consistently, supporting a stable wound edge. Motion economy and instrument control are efficient; hands remain in close proximity to the worksite and the technique progresses in a steady, methodical fashion. Minor workflow variations (intermittent instrument exchange and manipulation of longer suture limbs) do not detract from the overall quality of the closure. This performance reflects proficient mastery of the vertical mattress technique with outcomes appropriate for secure, cosmetically favorable skin approximation.