

Surgical VOP Assessment Report

Video: 2511_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 consistently executed with perpendicular-to-oblique needle trajectory and deliberate purchases producing predictable support and epidermal apposition. Bite depth shows minor variation but overall provides expected deep support and superficial approximation.

Score: 3/5 - Competent

2. Gentle tissue handling

Tissue handling is careful and atraumatic on the model with single, stable grasps for edge control and minimal unnecessary repositioning of forceps. Instrument tips remain close to the wound and countertraction is used effectively.

Score: 3/5 - Competent

3. Square, secure knots

Knots are formed with instrument-assisted technique, appear snug and consistently seated with appropriate tail trimming, suggesting secure square throws and reliable knot security.

Score: 3/5 - Competent

4. Balanced tension deep vs superficial

Tensioning balances deep support with superficial closure — deep components bear load while superficial ties produce mild eversion without puckering or ischemic overtightening. Occasional slight variation in tension is noted but does not compromise apposition.

Score: 3/5 - Competent

5. Even spacing (0.5-1.0 cm)

Suture spacing is regular and within the acceptable 0.5–1.0 cm range along the active line, producing an even distribution of closure points.

Score: 3/5 - Competent

6. Proper eversion

Eversion is consistently achieved with a gentle raised ridge along the closure and no evidence of inversion, creating favorable epidermal edge alignment.

Score: 3/5 - Competent

7. Economy of time and motion

Motion is economical and rhythmic with hands kept close to the wound, minimal off-area movements, and efficient progression along the incision.

Score: 3/5 - Competent

Average Score: 3.0/5

Summative Assessment:

The operator demonstrates a controlled, methodical execution of vertical mattress closures with consistent needle trajectory, deliberate tissue eversion, and uniform spacing. Instrument coordination is precise: forceps provide stable countertraction while the driver rotates the needle cleanly through tissue, producing reliable deep support and snug superficial approximation. Knot formation is dependable and finishing (tail trimming) is tidy. Overall tension balance is appropriate — the deep elements carry the load while superficial throws approximate the epidermis with mild eversion and without puckering. Minor variability in bite depth and occasional small adjustments in tension are present but do not detract from a competent, efficient closure that meets high standards for technique and tissue handling.