

Surgical VOP Assessment Report

Video: 2506_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) components were executed with consistent perpendicular-to-slightly-oblique needle trajectories, reproducible arcs, and predictable tissue purchase that provided reliable layered support and epidermal apposition. Passes were controlled and aligned along the incision.

Score: 3/5 - Competent

2. Gentle tissue handling

Tissue handling was meticulous with single, precise forceps grasps at the epidermal margin, minimal crush, and deliberate presentation/everting of the dermal edge before each pass. Instrument exchanges were smooth and atraumatic.

Score: 4/5 - Proficient

3. Square, secure knots

Knot stacks were compact, square-appearing, and consistently tightened with short trimmed tails placed close to the skin to minimize bulk; security was regularly confirmed by checking approximation.

Score: 3/5 - Competent

4. Balanced tension deep vs superficial

Tension balance between the deep and superficial components was well maintained — deep support provided wound closure without pulling the epidermis inward and superficial throws produced gentle, consistent apposition. Asymmetric bites were recognized and corrected promptly.

Score: 4/5 - Proficient

5. Even spacing (0.5-1.0 cm)

Sutures were placed at uniform intervals along the incision, consistent with the 0.5–1.0 cm target range, producing an evenly distributed line of closure.

Score: 4/5 - Proficient

6. Proper eversion

Eversion was deliberate and consistent throughout, producing a slight raised ridge without inversion; final checks confirmed continuous coaptation and preservation of epidermal alignment.

Score: 4/5 - Proficient

7. Economy of time and motion

Motion economy progressed from deliberate early passes to a confident, efficient rhythm with hands staying within a tight 1–4 cm working zone and minimal unnecessary departures from the field. Occasional re■grasping early on did not impair overall efficiency.

Score: 3/5 - Competent

Average Score: 3.6/5

Summative Assessment:

The closure demonstrates reliable, reproducible vertical mattress execution with controlled needle arcs, predictable tissue purchase, and precise edge presentation. Pass symmetry and spacing are consistent along the incision, and the operator deliberately maintained slight eversion with compact knots and short tails to produce neat epidermal coaptation. Instrument handling was refined and atraumatic, with single precise grasps and careful suture management. Tension balance between deep support and superficial approximation is well judged — deep components provided structural support without overcompressing the epidermis, and superficial throws achieved gentle, uniform apposition. Workflow matured into an efficient, streamlined pattern with secure knots and regular verification of alignment, reflecting competent to proficient performance suitable for clinical translation with continued attention to maintaining early consistency under variable tissue conditions.