

TABLE E-1 Assessment of Operative Report Dictation (10 pts)

Use this form to review the Operative Report for Carpal Tunnel Syndrome Release.

- | | | |
|--|------------------------------|-----------------------------|
| 1. Preparation (consent/time out) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 2. Positioning/Prep of patient/arm | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 3. Proper skin incision (describes landmarks) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 4. Proper dissection of tissue layers (skin, subcutaneous fat, palmar fascia, transverse carpal ligament) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 5. Proper identification and protection of structures at risk (palmar arch, branches of median nerve) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 6. Complete release of transverse carpal ligament (proximal and distal extent) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 7. Verification of integrity/condition of median nerve and recurrent motor branch | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 8. Appropriate closure | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 9. Demonstrates logical order of dictation | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 10. Demonstrates efficient and concise description of the surgical procedure; completed within allotted time | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

TABLE E-2 Detailed Checklist - Carpal Tunnel Release Proctor Score Sheet*

Proctor Number: _____ Actual Start Time: _____
 Resident Number: _____ Actual Stop Time: _____
 Date: _____ Specimen # _____

Checklist

<p>Skin incision: _____</p> <p>Yes No</p> <p><input type="checkbox"/> <input type="checkbox"/> Skin incision from wrist crease to Kaplan line, in line with radial aspect of ring finger- drawn appropriately</p> <p><input type="checkbox"/> <input type="checkbox"/> Holds knife perpendicular to tissue plane (incision is perpendicular to skin without flaps or skiving)</p> <p><input type="checkbox"/> <input type="checkbox"/> Applies appropriate pressure for skin penetration without multiple passes</p> <p><input type="checkbox"/> <input type="checkbox"/> Makes flaps with minimal tissue handling (minimal grasping, regrasping, tissue trauma, etc)</p> <p>Layered dissection: _____</p> <p><input type="checkbox"/> <input type="checkbox"/> Incision is perpendicularly completed to the level of the palmar fascia</p> <p><input type="checkbox"/> <input type="checkbox"/> Proper use of tissue retractors for deeper dissection</p> <p><input type="checkbox"/> <input type="checkbox"/> Palmar fascia is incised perpendicular in the same plane through its length</p> <p><input type="checkbox"/> <input type="checkbox"/> Identifies distal border of transverse carpal ligament</p> <p><input type="checkbox"/> <input type="checkbox"/> Identifies and protects palmar arch at distal end of wound</p> <p><input type="checkbox"/> <input type="checkbox"/> Complete release of TCL</p>	<p>Transverse carpal ligament: _____</p> <p>Yes No</p> <p><input type="checkbox"/> <input type="checkbox"/> TCL is incised on its ulnar border</p> <p><input type="checkbox"/> <input type="checkbox"/> TCL is incised perpendicular in the same plane through its length</p> <p><input type="checkbox"/> <input type="checkbox"/> Median nerve is visualized as decompressed through its distal extent</p> <p><input type="checkbox"/> <input type="checkbox"/> Median nerve is visualized as decompressed through its proximal extent</p> <p><input type="checkbox"/> <input type="checkbox"/> Recurrent motor branch is visualized as decompressed</p> <p>Closure using 3 sutures : _____</p> <p><input type="checkbox"/> <input type="checkbox"/> Places suture following curve of needle AND passes needle through tissue with supination: pronates wrist to regrasp needle</p> <p><input type="checkbox"/> <input type="checkbox"/> Starts <u>instrument tie</u> with square throw AND subsequent throws are square to previous</p> <p><input type="checkbox"/> <input type="checkbox"/> Ties knot without tissue strangulation (appropriate skin tension)</p> <p><input type="checkbox"/> <input type="checkbox"/> Appropriate knot spacing</p>
<p>ADVERSE EVENTS</p> <p><input type="checkbox"/> <input type="checkbox"/> Palmar arch injury</p> <p><input type="checkbox"/> <input type="checkbox"/> Guyon canal release</p> <p><input type="checkbox"/> <input type="checkbox"/> Median nerve or flexor tendon Injury</p> <p><input type="checkbox"/> <input type="checkbox"/> Other</p>	<p>PASS/FAIL ASSESSMENT</p> <p><input type="checkbox"/> PASS <input type="checkbox"/> FAIL</p>

(*The detailed checklist was adapted from the task-specific checklist shown in: Reznick R, Regehr G, MacRae H, Martin J, McCulloch W. Testing technical skill via an innovative "bench station" examination. Am J Surg. 1997;173:226-30.)

TABLE E-3 Global Rating Scale of Operative Performance*

Resident Number _____; Proctor Number _____:

Station Carpal Tunnel**To be completed by faculty observer**

Please circle the number for each category, irrespective of the trainee's PGY level.

Instrument ID and Handling

1	2	3	4	5
Could not name instruments, selected wrong instrument(s); handled instruments inappropriately		Could name some, not all instruments; hesitated or changed mind in selecting instruments; handled them appropriately <i>most</i> of the time		Named all instruments; easily selected correct instruments; used them appropriately <i>all</i> of the time

Quality of Incision

1	2	3	4	5
Poor technique, skin compromised, multiple passes		Moderately good technique, skin roughly handled, difficulty with depth		Excellent technique, single pass in one plane, excellent depth

Quality of Suturing

1	2	3	4	5
Poor technique, poor manual dexterity, uneven closure		Moderately good technique, moderate dexterity, uneven spacing, acceptable closure		Excellent technique, excellent dexterity, excellent closure

Quality of Knots

1	2	3	4	5
Poor technique, couldn't do all 3 ties, insecure knots		Moderately good technique, some ties were done better than others, mostly secure knots		Excellent technique, excellent execution of all 3 ties, very secure knots

Respect for Tissue

1	2	3	4	5
Frequently used unnecessary force, or caused damage on tissue		Careful handling of tissue but occasionally caused damage		Very careful handling of tissues with minimal or no damage

Motion and Flow

1	2	3	4	5
Many unnecessary moves, frequent stops + starts, frequently grasped, regasped tissue		Some unnecessary moves, reasonably efficient, smooth progression, occasional regasping of tissue		Clear economy of movement, easy flow /rhythm throughout, minimal regasping of tissue

Score (6 -30): _____

(*Adapted from the Global Rating Scale of Operative Performance shown in: Reznick R, Regehr G, MacRae H, Martin J, McCulloch W. Testing technical skill via an innovative "bench station" examination. Am J Surg. 1997;173:226-30.)