

Assessment sheet for coronary anastomosis

Trainee: _____		Evaluator : _____				
Evaluation item						Comments
1. Arteriotomy Consistent midline, Thin single "track", No injury to back wall, Smooth edge.	1	2	3	4	5	
2. Graft orientation Proper heel-toe orientation, Consistent start Knows end point, No hesitation	1	2	3	4	5	
3. Bite & Spacing Consistent regular entry/exit Consistent single puncture Consistent from edge Consistent even spacing Consistent distance from previous bite	1	2	3	4	5	
4. Needle holder use & Hand mechanics Comfortable, smooth finger placement Smooth rotation, High facility Consistent proper placement Able to modulate pronation / supination Smooth, comfortable motion Smooth, appropriate wrist motion	1	2	3	4	5	
5. Use of forceps & Use of both hands Consistent proper traction Consistent proper exposure Knows when to stabilize, gentle Able to modulate pronation / supination Smooth, comfortable motion Smooth, Appropriate wrist motion	1	2	3	4	5	
6. Needle angles Consistent correct angles, Compensate for depth Consistent adjustment for subsequent angles	1	2	3	4	5	
7. Needle transfer Able to mount needle and manipulate needle easily	1	2	3	4	5	
8. Suture management Proper use of tension, Suture consistently not in way Permit 1st error (such as suture got tangled up), 3 is OK. Multiple error mark 1 or 2.	1	2	3	4	5	
9. Knot tying Consistent facility, no hesitancy Consistent follow through Consistent tension and tight	1	2	3	4	5	
10. Economy of time and motion No hesitation, Fully aware of goal, Able to do task smoothly 1: >18min 2: <18min 3: <15min 4: <12min 5: <10min	1	2	3	4	5	
Average score						Time : _____

General Definitions (5-point scale) : 1 • 2 • 3 • 4 • 5

5. Excellent, able to accomplish goal without hesitation, showing excellent progress and flow
4. Good, able to accomplish goal deliberately, with minimal hesitation, showing good progress and flow
3. Average, able to accomplish goal with hesitation, discontinuous progress and flow
2. Below average, able to partially accomplish goal with hesitation
1. Poor, unable to accomplish goal, marked hesitation

