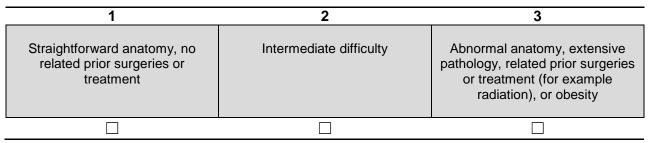
CREATION OF ARTERIOVENOUS (AV) FISTULA

Evaluator: Resident Level:		Subject:	
		Program:	
	Date of	Time Procedure	
	Procedure:	Was Completed:	
	Date Assessment	Time Assessment	
	Was Completed:	Was Initiated:	

Please rate this resident's performance during this operative procedure. For most criteria, the caption above each checkbox provides descriptive anchors for 3 of the 5 points on the rating scale. "NA" (not applicable) should only be selected when the resident did not perform that part of the procedure.

Case Difficulty



Degree of Prompting or Direction

1	2	3
Minimal direction by attending. Resident performs all steps and directs the surgical team independently with minimum or no direction from the attending, to either the resident or to the surgical team.	Some direction by attending. Resident performs all steps but the attending provides occasional direction to the resident and /or to the surgical team.	Substantial direction by attending. Resident performs all steps but the attending provides constant direction to the resident and surgical team.

Procedure-Specific Criteria

Placement of Incisions

5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA
Proximal incision slightly distal to antecubital crease – graft to radial side of arm; loop length 2/3 of distal to wrist		Position of incision is functional but not optimal for exposure of target vessels		No concept of functional needs of procedure – graft too short or too long	

Dissection of Vessels

5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA
Excellent independent dissection of all vessels; mindful of plans for anastomosis		Exposes brachial artery sufficiently for anastomosis with guidance. Preserves most significant superficial veins		Disregard for superficial veins; injury to brachial artery or deep vein	

Suturing Graft

5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA
Independently sews with correct needle angle and at the correct orientation throughout the anastomosis		Generally pierces graft and vessels at 90 degrees and passes from intimal surface out of artery		Sutures from adventitia to intima on artery; inappropriate thickness/spacing of bites	

Tunnel Graft

5	4	3	2	1	
Excellent	Very Good	Good	Fair	Poor	NA
No kinks; appropriate depth graft; proximal to distal suture line		Able to position graft adequately with guidance		Kinks; too deep placement; directly below distal incision	

Instrument Handling							
5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA		
Fluid movements with instruments consistently using appropriate force, keeping tips in view, and placing clips securely		Competent use of instruments, occasionally appeared awkward or did not visualize instrument tips		Tentative or awkward movements, often did not visualize tips of instrument or clips poorly placed			

General Criteria

Respect for Tissue

5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA
Consistently handled tissue carefully (appropriately), minimal tissue damage		Careful tissue handling, occasional inadvertent damage		Frequent unnecessary tissue force or damage by inappropriate instrument use	

Time and Motion

5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA
Clear economy of motion, and maximum efficiency		Efficient time and motion, some unnecessary moves		Many unnecessary moves	

Operation Flow

5 Excellent	4 Very Good	3 Good	2 Fair	1 Poor	NA
Obviously planned course of operation and anticipation of next steps		Some forward planning, reasonable procedure progression		Frequent lack of forward progression; frequently stopped operating and seemed unsure of next move	

Overall Performance

Rating of 4 or higher indicates technically proficient performance (i.e., resident is ready to perform operation independently, assuming resident consistently performs at this level)

5	4	3	2	1	
Excellent	Very Good	Good	Fair	Poor	NA

Please indicate the weaknesses in this resident's performance:

Please indicate the strengths in this resident's performance: