Procedure	Level	Nonoperative/Preoperative	Intraoperative	Postoperative
Joint procedures (Shoulder and Hip)	3	-Demonstrates an understanding of the procedural indications but may not understand contraindications. -Able to identify relevant finding on imaging but may not be able to determine a safe approach to performing the aspiration -Obtains an H&P inclusive of basic focused exam -Aware of SIR guidelines for preprocedural labs and medication holds -Respectfully communicates basic facts of the procedure but inconsistently discusses potential complications or alternatives	-assists with preparation of sterile procedural field -maintains a sterile field -identifies relevant anatomy on intraprocedural imaging -follows intraprocedural directions but handles tools inefficiently	-Explains the procedure basics to the patient but needs prompting to cover post-procedure expectations and warning signs of serious complications -In the setting of post aspiration/ injection complication, not familiar with next steps and needs attending direction
	2: Direct Supervision Demonstrates an understanding of the steps of the procedure but requires direction to accomplish in a safe manner Framework: tThe learner understands use of the tools, but requires step by step guidance for safe and effective joint access. The attending may actively participate to maintain forward progression.		needing minimal direction from the attending -identifies the joint space and landmarks	-Discusses post-procedure expectations and warning signs of serious complications with minimal prompting -In the setting of post aspiration/injection complication, demonstrates an understanding of next steps in management but needs attending direction for forward progression

2. Indirect Cupartician	Able to identify a cofe approach for	-able to prepare a sterile field and	Managaa past procedure expectations and
3. Indirect Supervision	-Able to identify a safe approach for		-Manages post-procedure expectations and
Can do a basis atraightfarward	aspiration on pre-procedural imaging	position the patient appropriately only	warning signs of serious complications
Can do a basic, straightforward	independently	needing minimal direction from the	independently
aspiration/ joint access but may not	Able to identify a safe approach for	attending	-In the setting of post aspiration/injection
recognize abnormalities or nuances of	aspiration on pre-procedural imaging with	, ,	complication, demonstrates an
a more advanced case	minimal attending direction for normal	on intraprocedural imaging and identifies	understanding of next steps in management
Farmania.	native anatomy, but may require direct	a safe approach needing only minimal	with minimal attending direction
Framework:	, , , , , , , , , , , , , , , , , , , ,	attending direction for cases of normal	
The learner can perform	joint cases.	anatomy.	
straightforward shoulder and hip	-Demonstrates an understanding of the	-Recognizes technical and anatomic	
aspiration. The attending gives	indications, contraindications and	causes of a "Dry tap" but needs	
passive help. This passive help may	potential complications	attending intervention to diagnose with	
be given with the attending scrubbed	-Respectfully communicates facts of	arthrography or lavage	
in for more advance aspirations or	procedure and discusses potential		
during a check-in for more routine	complications or alternatives with the		
procedures.	patient or family member		
Practice Ready	-Able to identify a safe approach for	-identifies the joint space and landmarks	-Manages post-procedure expectations and
		on intraprocedural imaging and identifies	
Can perform more advanced	imaging independently for native, post	a safe approach independently for	-Manages post aspiration/injection
aspiration cases and manage	surgical and prostheteic anatomy.	normal and postoperative or prosthetic	complications independently
complications	-Demonstrates an understanding of the	anatomy	-Communicates findings/outcomes with
	indications, contraindications and	-Recognizes technical and anatomic	referring service and/or provides clinical
Framework:	potential complications	causes of a "Dry tap" and independently	follow-up independently.
The learner can perform all	-Respectfully communicates facts of	troubleshoots with arthrography or	
straightforward hip and shoulder	procedure and discusses potential	lavage.	
aspirations and most advanced cases	complications or alternatives with the		
and can manage complications	patient or family member		
independently			
The attending is available as needed			
but is not routinely needed			