



## **Interventional Radiology Rotation**

### **Interventional Rotation Information (including Rotation Learning Outcomes, Instructional Objectives, Preceptor Evaluation of Student Form, and Rotation-Specific Curriculum Integration Table)**

#### **Instructor of Record for Interventional Radiology Rotation:**

Mandy German PA-C

Cell: (616) 460-7080

Office: (616) 331-5988

Office Location: CHS 226

Email: [germanm@gvsu.edu](mailto:germanm@gvsu.edu)

#### **Interventional Radiology Clinical Rotation Topics**

##### **Cardiovascular System**

Vascular disease: Aortic aneurysm/dissection, Arterial embolism/thrombosis, Arteriovenous malformation, Deep vein thrombosis, Giant cell arteritis, Peripheral artery disease, Phlebitis/thrombophlebitis, Varicose veins, Venous insufficiency

##### **Gastrointestinal System/Nutrition**

Colorectal disorders: Abscess/fistula, Ischemic bowel disease,  
Gastric disorders: Gastrointestinal bleeding  
Hepatic disorders: Chronic hepatitis, Cirrhosis, Portal hypertension  
Neoplasms: Malignant

##### **Musculoskeletal System**

Lower extremity disorders: Soft-tissue injuries  
Spinal disorders: Ankylosing spondylitis, Herniated nucleus pulposus, Spinal stenosis  
Upper extremity disorders: Soft-tissue injuries

##### **Pulmonary System**

Infectious disorders: Empyema  
Neoplasms: Benign, Malignant, Carcinoid tumors  
Obstructive pulmonary diseases: Cystic fibrosis  
Pleural diseases  
Pulmonary circulation: Cor pulmonale, Pulmonary edema, Pulmonary embolism, Pulmonary hypertension



## **Interventional Radiology Clinical and Technical Skills**

<b>Interventional Radiology Skills</b>	
<b>Clinical Skills</b>	
	Elicit a detailed and accurate patient history on patients in an interventional radiology setting (RLO2)
	Perform an appropriate physical examination on patients (in an interventional radiology settingRLO2)
	Interpret diagnostic tests common to interventional radiology
	Select appropriate medications (RLO3)
	Select appropriate dose for medications (RLO3)
<b>Technical Skills</b>	
	Demonstrate proper surgical scrub technique (Clinical and Technical Skills Checklist)

## Interventional Radiology Rotation Learning Outcomes and Instructional Objectives

Rotation Learning Outcomes	Instructional Objectives
<p><b>Students will demonstrate medical knowledge of the pathophysiology, etiology, epidemiology, patient presentation, differential diagnosis, diagnostic work-up, patient management, health promotion, and disease prevention for common conditions (listed in Interventional Radiology Clinical Rotation Topics above) encountered in interventional radiology.</b></p>	
	<p>Interventional Radiology instructional objective: Explain the pathophysiology of the clinical presentations of conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)</p>
	<p>Interventional Radiology instructional objective: Describe the etiology and epidemiology of the clinical conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)</p>
	<p>Interventional Radiology instructional objective: Identify the patient presentation of conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)</p>
	<p>Interventional Radiology instructional objective: Differentiate how disease processes of conditions listed in the Interventional Radiology Clinical Rotation Topics (above) may present. (MK-PLO3)</p>
	<p>Interventional Radiology instructional objective: Explain the appropriate diagnostic workup of the clinical conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)</p>
	<p>Interventional Radiology instructional objective: Formulate a differential diagnosis for patient presentations of conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)</p>

	Interventional Radiology instructional objective: Compare and contrast the risks and benefits of diagnostic studies and treatment plans for conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)
	Interventional Radiology instructional objective: Summarize the indications and contraindications of procedures commonly used in the treatment of conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK PLO-2)
	Interventional Radiology instructional objective: Compare and contrast the risks and benefits of procedures indicated for conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK PLO-3)
	Interventional Radiology instructional objective: Outline the appropriate management of the clinical conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK-PLO3)
	Interventional Radiology instructional objective: Identify the common medication problems specific to interventional radiology, including potential toxic interactions of drugs. (MK-PLO3)
	Interventional Radiology instructional objective: Recognize when it is appropriate to obtain informed consent.
	Interventional Radiology instructional objective: Discuss medications commonly used in the treatment of conditions listed in the Interventional Radiology Clinical Rotation Topics (above), including indications, contraindications, possible drug interactions, mechanism of action, most common side effects, need for laboratory monitoring, and appropriate dosages. (MK PLO-3)
	Interventional Radiology instructional objective: Interpret and apply healthcare guidelines for conditions listed in the Interventional Radiology Clinical Rotation Topics (above). (MK PLO-3)
	Interventional Radiology instructional objective: Actively participate in the management of patients. (MK- PLO3)

<p><b>Students will elicit a detailed and accurate patient history, perform an appropriate physical examination, appropriately use and interpret diagnostic testing and laboratory studies, and formulate differential diagnoses and assessment plans for symptoms/conditions (listed in Interventional Radiology Clinical Rotation Topics above) commonly encountered in patients seeking care in an interventional radiology setting.</b></p>	
	<p>Interventional Radiology instructional objective: Demonstrate an age-appropriate problem-focused history and physical exam for patients in an interventional radiology setting. (PC PLO-1, PC-PLO-2)</p>
	<p>Interventional Radiology instructional objective: Select and interpret appropriate diagnostic and laboratory studies for conditions listed in the Interventional Radiology Clinical Rotation Topics (above) for patients in an interventional radiology setting. (PC-PLO3)</p>
	<p>Interventional Radiology instructional objective: Formulate an appropriate differential diagnosis based on history, physical examination, diagnostic data, and clinical reasoning for patients in an interventional radiology setting. (PC-PLO4)</p>
	<p>Interventional Radiology instructional objective: Develop an appropriate assessment, management care plan, and disposition of patients, given all pertinent medical data, including history, physical exam, laboratory, and diagnostic data in an interventional radiology setting. (PC-PLO4)</p>
	<p>Interventional Radiology instructional objective: Actively participate in the management of patients with conditions listed in the Interventional Radiology Clinical Rotation Topics (above) in an interventional radiology setting. (PC-PLO4)</p>

<b>Students will perform the following technical skill: proper surgical scrub technique.</b>	
	Interventional Radiology instructional objective: Identify the indications and purpose of a surgical scrub in preventing surgical site contamination. (PC-PLO5)
	Interventional Radiology instructional objective: Identify the indications and purpose of a surgical scrub in preventing surgical site contamination. (PC-PLO5)
	Interventional Radiology instructional objective: Demonstrate proper preparation for a surgical scrub, including removal of jewelry, inspection of hands/forearms, and appropriate PPE selection. (PC-PLO5)
	Interventional Radiology instructional objective: Correctly perform the steps of a standardized surgical scrub technique (anatomic or timed), including hand and forearm cleansing, sequence, and contact time. (PC-PLO5)
	Interventional Radiology instructional objective: Maintain aseptic technique throughout the scrub, ensuring hands and arms remain above the elbows and away from non-sterile surfaces. (PC-PLO5)
	Interventional Radiology instructional objective: Dry hands and arms using sterile technique and proceed to gowning/gloving without contamination. (PC-PLO5)
	Interventional Radiology instructional objective: Recognize and appropriately respond to contamination during the scrub . (PC-PLO5)
<b>Students will document information clearly and appropriately in interventional radiology.</b>	
	Interventional Radiology instructional objective: Document an acute problem-focused medical note for patients. (ICS-PLO2)
	Interventional Radiology instructional objective: Document a chronic problem-focused medical note for patients. (ICS-PLO2)

	Interventional Radiology instructional objective: Document information clearly and accurately at an appropriate level for patients, colleagues, and teachers. (ICS-PLO2)
	Interventional Radiology instructional objective: Document care plans for patients with multiple conditions, ensuring integration of comorbidities and prioritization of care needs." (ICS-PLO2)
	Interventional Radiology instructional objective: Document medical information in a manner that synthesizes large volumes of data and summarizes complex care plans, tailored to an interventional radiology setting. (ICS-PLO2)
<b>Students will listen empathetically and effectively, communicate clearly, utilize shared decision-making, and provide patient education and patient counseling for patients seeking care in interventional radiology.</b>	
	Interventional Radiology instructional objective: Utilize open-ended questions, active listening, and empathetic communication to elicit patient preferences, values, goals, and concerns while providing space for patients to fully articulate their thoughts without interruption. (ICS-PLO1)
	Interventional Radiology instructional objective: Communicate complex medical information clearly and comprehensively, using plain language and avoiding medical jargon, while tailoring the content and delivery to the patient's level of understanding and health literacy. (ICS-PLO3)
	Interventional Radiology instructional objective: Deliver clear, concise, and well-organized oral case presentations using a structured format, ensuring the inclusion of pertinent patient information to effectively communicate with preceptors and the healthcare team, fostering collaboration and continuity of care. (ICS-PLO3)
	Interventional Radiology instructional objective: Identify and address communication barriers with diverse patient populations and adapt communication style and information



	context to ensure understanding, effective interaction, and culturally sensitive care. (ICS PLO-3)
	Interventional Radiology instructional objective: Collaborate with the patient and family to identify realistic goals, develop a shared understanding of diagnoses and treatment options, and explain the risks and benefits of diagnostic studies and treatments, while demonstrating empathetic listening to clarify misconceptions and address concerns or fears. (ICS PLO-5)
	Interventional Radiology instructional objective: Deliver age-appropriate patient-centered education and counseling, including health promotion, disease prevention, and evidence-based written materials tailored to the patient's needs and health literacy, to patients seeking care in interventional radiology. (ICS-PLO5)
	Interventional Radiology instructional objective: Provide patient-centered counseling that addresses emotional, psychological, and social concerns (ICS-PLO5)
	Interventional Radiology instructional objective: Assess patient understanding of medical information and treatment plans and address any gaps in comprehension (ICS-PLO3)
<b>Students will facilitate difficult health care conversations in interventional radiology.</b>	
	Interventional Radiology instructional objective: Establish rapport and trust with patients and their family members by demonstrating empathy, active listening, and respect for their emotions, perspectives, and concerns while maintaining professionalism and objectivity. (ICS PLO-4)
	Interventional Radiology instructional objective: Create a supportive environment conducive to open and honest dialogue, ensuring that the patient and their family feel comfortable expressing their thoughts, emotions, and preferences. (ICS PLO-4)
	Interventional Radiology instructional objective: Demonstrate sensitivity and cultural competence in addressing sensitive topics, such as end-of-life care, advance

	directives, or difficult treatment decisions, while respecting diverse perspectives and values. (ICS PLO-4)
	Interventional Radiology instructional objective: Provide emotional support and connect patients and their families with appropriate resources to help them cope with difficult emotions and navigate the healthcare system effectively. (ICS PLO-4)
<b>Students will demonstrate compassion, integrity, respect, patient responsiveness, and accountability while providing care to patients in interventional radiology.</b>	
	Interventional Radiology instructional objective: Demonstrate empathy, understanding, compassion, and sensitivity to the emotional, social, developmental, cultural, and diverse backgrounds of patients and their families, including age, gender, and disabilities. (P-PLO1)
	Interventional Radiology instructional objective: Respect patient confidentiality and privacy, ensuring that sensitive information is handled appropriately and securely. (P-PLO1)
	Interventional Radiology instructional objective: Use inclusive language and cultural sensitivity when interacting with patients and their families to foster trust and respect. (P-PLO1)
	Interventional Radiology instructional objective: Exhibit professionalism in interactions with patients, families, and healthcare team members, including maintaining appropriate dress, punctual attendance, and a professional attitude in all clinical settings. (P-PLO1)
	Interventional Radiology instructional objective: Prioritize patient care over personal comfort or preferences, demonstrating a willingness to adjust schedules or extend work hours to accommodate patient needs. (P-PLO2)
	Interventional Radiology instructional objective: Demonstrate flexibility, attentiveness, and responsiveness in

	addressing patient concerns and unexpected changes. (P-PLO2)
	Interventional Radiology instructional objective: Take accountability for actions, decisions, and the quality of care provided, ensuring continuous evaluation and improvement. (P-PLO3)
	Interventional Radiology instructional objective: Evaluate and integrate community resources to support patient care in interventional radiology. (P PLO-3)
	Interventional Radiology instructional objective: Demonstrate motivation and desire to learn. (P PLO-3)
	Interventional Radiology instructional objective: Demonstrate knowledge of the legal and regulatory requirements of the role of a physician assistant. (P-PLO4)
	Interventional Radiology instructional objective: Exhibit integrity by adhering to ethical standards, acting with honesty, and maintaining professional accountability in all interactions and decisions." (P-PLO1)
<b>Students will (a) seek, implement, and accept feedback, (b) reflect on performance and develop plans for self-improvement, and (c) locate, appraise, and integrate evidence-based studies related to interventional radiology.</b>	
	Interventional Radiology instructional objective: Proactively seek feedback from their preceptor on clinical performance, communication skills, and professional behavior, demonstrating openness to constructive criticism and willingness to apply it to improve. (PBL PI-PLO1)
	Interventional Radiology instructional objective: Develop action plans based on feedback including specific goals and timelines for implementation. (PBL PI-PLO1)
	Interventional Radiology instructional objective: Recognize personal and professional limitations, and locate assistance from preceptors, colleagues, and reference materials to address areas needing improvement. (PBL PI-PLO1)

	Interventional Radiology instructional objective: Monitor progress towards goals over time, adjusting action plans as necessary based on ongoing reflection and feedback. (PBL PI PLO-2)
	Interventional Radiology instructional objective: Develop the ability to learn from practice. (PBL PI PLO-2)
	Interventional Radiology instructional objective: Demonstrate lifelong learning by interpreting independent readings, assessing medical evidence, and applying decision-making tools to provide evidence-based patient care in interventional radiology. (PBL PI-PLO3)
	Interventional Radiology instructional objective: Recognize the importance of lifelong learning in the medical field. (PBL PI PLO-3)
	Interventional Radiology instructional objective: Assess and effectively communicate medical evidence to patients, colleagues, and healthcare teams to support shared decision-making and patient care. (PBL PI PLO-3)
	Interventional Radiology instructional objective: Utilize medical information technology to access and appraise online medical resources, enhance personal education, support clinical decision-making, and educate patients. (PBL PI PLO-3)
<b>In an interventional radiology setting, students will (a) promote a safe environment, (b) demonstrate knowledge of quality improvement methodologies and metrics, (c) recognize the unique role of PAs and other health professions, (d) work effectively with other health professionals to provide collaborative, patient-centered care, (e) incorporate considerations of cost awareness and funding, and (g) describe basic health payment systems and practice models.</b>	

	Interventional Radiology instructional objective: Operate under the rules of HIPAA to preserve patient confidentiality in an interventional radiology setting. (SBP PLO-1)
	Interventional Radiology instructional objective: Practice according to policy and procedures set forth by the health care facility. (SBP PLO-1)
	Interventional Radiology instructional objective: Identify barriers and challenges to implementing quality improvement initiatives in an interventional radiology setting and propose strategies to overcome them. (SBP PLO-2)
	Interventional Radiology instructional objective: Discuss the appropriate use of controlled substances and statewide tracking systems to ensure ethical and legal patient care in an interventional radiology setting. (SBP PLO-2)
	Interventional Radiology instructional objective: Encourage a culture of safety and collaboration within the healthcare team by promoting open communication, error reporting, mutual respect, and teamwork while providing patient-centered care in an interventional radiology setting. (SBP-PLO3)
	Interventional Radiology instructional objective: Identify the steps of the referral process for patients and the roles of other healthcare professionals in the participation of your patient's care in an interventional radiology setting. -(SBP-PLO3)
	Interventional Radiology instructional objective: Employ a professional relationship with the preceptors and other healthcare team members in an interventional radiology setting. (SBP-PLO4)
	Interventional Radiology instructional objective: Efficiently manage patient flow and clinic scheduling to optimize access to care and minimize wait times for patients seeking care in an interventional radiology setting. (SBP-PLO5)
	Interventional Radiology instructional objective: Communicate effectively with administrative staff, medical assistants, and other members of the healthcare team to coordinate patient care activities and ensure smooth health care operations in an interventional radiology setting. (SBP-PLO4, SBP-PLO5)

	Interventional Radiology instructional objective: Evaluate cost-effective healthcare resources that do not compromise the quality of care for patients in an interventional radiology setting. (SBP PLO-6)
	Interventional Radiology instructional objective: Discuss treatment options for patient care in an unbiased manner, considering both clinical effectiveness and cost implications and involving patients in shared decision-making in an interventional radiology setting. (SBP PLO-6)
	Interventional Radiology instructional objective: Describe common practice models in an interventional radiology setting. (SBP PLO-6)
	Interventional Radiology instructional objective: Demonstrate an understanding of the roles and responsibilities of PAs and other healthcare professionals in an interventional radiology setting. (SBP PLO-6)
	Interventional Radiology instructional objective: Choose appropriate billing codes for payment services under the direct supervision of the preceptor in an interventional radiology setting. (SBP-PLO7)
	Interventional Radiology instructional objective: Identify funding sources and payment systems, including eligible patient populations for Medicaid and Medicare, in an interventional radiology setting (SBP-PLO7)

**Interventional Radiology Rotation Curriculum Integration Table**

<b>Rotation Learning Outcome</b>	<b>Assessment Method (Benchmark Requirements)</b>	<b>PAS Program Goal</b>	<b>PAS Program Learning Outcome (ARC-PA)/Student Learning Outcomes (GVSU)</b>
Students will demonstrate medical knowledge of the pathophysiology, etiology, epidemiology, patient presentation, differential diagnosis, diagnostic work-up, patient management, health promotion, and disease prevention for common conditions (listed in Interventional Radiology Clinical Rotation Topics above) encountered in interventional radiology.	Preceptor Evaluation (80% average score on Medical Knowledge competency section)	Medical Knowledge and Competence in Patient Care	MK #2
			MK#3
Students will elicit a detailed and accurate patient history, perform an appropriate physical examination, appropriately use and interpret diagnostic testing and laboratory studies, and formulate differential diagnoses and assessment plans for symptoms/conditions (listed in Interventional Radiology Clinical	Preceptor Evaluation (80% average score on Patient Care competency section)	Medical Knowledge and Competence in Patient Care	PC #1
			PC #2
			PC #3
			PC #4

Rotation Topics above) commonly encountered in patients seeking care in an interventional radiology setting.			
Students will perform the following technical skill: proper surgical scrub technique.	Preceptor Evaluation (80% average score on Patient Care competency section)	Medical Knowledge and Competence in Patient Care	PC #5
Students will document information clearly and appropriately in interventional radiology.	Preceptor Evaluation (80% average score on Interpersonal and Communication Skills competency section)	Medical Knowledge and Patient Care	ICS#2
Students will listen empathetically and effectively, communicate clearly, utilize shared decision-making, and provide patient education and patient counseling for patients seeking care in interventional radiology.	Preceptor Evaluation (80% average score on Interpersonal and Communication Skills competency section)	Medical Knowledge and Patient Care	ICS #1
		Collaborative Practice	ICS #3
			ICS #5
Students will facilitate difficult health care conversations in interventional radiology.	Preceptor Evaluation (80% average score on Interpersonal and Communication Skills competency section)	Collaborative Practice	ICS #4
Students will demonstrate compassion, integrity, respect, patient responsiveness, and accountability while providing care to patients in	Preceptor Evaluation (80% average score on Professionalism competency section)	Professionalism	P #1
			P #2
			P #3



interventional radiology.			
Students will (a) seek, implement, and accept feedback, (b) reflect on performance and develop plans for self-improvement, and (c) locate, appraise, and integrate evidence-based studies related to interventional radiology.	Preceptor Evaluation (80% average score on Practice-Based Learning and Proficiency Improvement competency section)	Lifelong Learning	PBLPI #1
			PBLPI #2
			PBLPI #3
In an interventional radiology setting, students will (a) promote a safe environment, (b) demonstrate knowledge of quality improvement methodologies and metrics, (c) recognize the unique role of PAs and other health professions, (d) work effectively with other health professionals to provide collaborative, patient-centered care, (e) incorporate considerations of cost awareness and funding, and (g) describe basic health payment systems and practice models.	Preceptor Evaluation (80% average score on Systems-Based Practice competency section)	Medical Knowledge and Patient Care	SBP #1
			SBP #6
		Lifelong Learning	SBP #2
		Collaborative Practice	SBP #3
			SBP #4
			SBP #5
			SBP #7

## Interventional Radiology Preceptor Evaluation of Student

Interventional Radiology Preceptor Evaluation of the Student						
What is your group and/or site name (i.e., Corewell Health Greenville Hospital Multispecialty Center - Oak St, Family Medicine)						
Medical Knowledge: This section evaluates the student's ability to demonstrate medical knowledge, clinical reasoning, and problem-solving ability of sufficient breadth and depth to practice medicine as an entry-level physician assistant						
	60%	70%	80%	90%	100%	N/A
	(Failing)	(D+/ C-)	(C+/ B)	(B+/ A-)	(A)	
Student demonstrated medical knowledge in pathophysiology, etiology, and epidemiology for patients seeking medical care for common conditions encountered in interventional radiology (MK#2, 3):						
Student demonstrated medical knowledge of patient presentations for common conditions encountered in interventional radiology (MK#2,3):						
Student demonstrated medical knowledge of differential diagnosis for patients seeking medical care for common conditions encountered in interventional radiology (MK#2,3)						
Student demonstrated medical knowledge of the diagnostic work-up for patients seeking medical care for common conditions encountered in interventional radiology (MK#2,3)						
Student demonstrated medical knowledge of patient management strategies for patients seeking medical care for common conditions						

encountered in interventional radiology (MK#2,3):						
Student demonstrated medical knowledge of health promotion and disease prevention for patients seeking medical care for common conditions encountered in interventional radiology (MK#2, 3)						
Additional Comments:						
Patient Care: This section evaluates the student’s ability to provide person-centered care that includes patient- and setting-specific assessment, evaluation, management, and health promotion.						
	60%	70%	80%	90%	100%	N/A
	(Failing)	(D+/ C-)	(C+/ B)	(B+/ A-)	(A)	
Student elicited a detailed and accurate history for populations encountered in interventional radiology (PC#1).						
Student elicited a detailed and accurate history for patients encountered in interventional radiology (PC#1).						
Student performed an appropriate physical examination for populations encountered in interventional radiology (PC#1).						
Student performed an appropriate physical examination for patients seeking care in interventional radiology (PC#1).						
Student demonstrated knowledge of the appropriate use and interpretation of diagnostic testing for populations encountered in interventional radiology (PC#3).						

Student demonstrated knowledge of the appropriate use and interpretation of diagnostic testing for patients seeking care in interventional radiology (PC#3).						
Student demonstrated knowledge of the appropriate use and interpretation of laboratory studies for populations encountered in interventional radiology (PC#3).						
Student demonstrated knowledge of the appropriate use and interpretation laboratory studies for patients seeking care in interventional radiology (PC#3).						
Student organized information from the interview, diagnostic testing, and physical examination to formulate differential diagnoses for populations encountered in interventional radiology (PC#4).						
Student organized information from the interview, diagnostic testing, and physical examination to formulate differential diagnoses for patients seeking care in interventional radiology (PC#4).						
Student organized information from the interview, diagnostic testing, and physical examination to formulate assessments for symptoms/conditions commonly encountered for populations encountered in interventional radiology (PC#4):						

Student organized information from the interview, diagnostic testing, and physical examination to formulate assessments for symptoms/conditions commonly encountered for patients seeking care in interventional radiology (PC#4).						
Student organized information from the interview, diagnostic testing, and physical examination to formulate management plans for symptoms/conditions commonly encountered for populations encountered in interventional radiology (PC#4).						
Student organized information from the interview, diagnostic testing, and physical examination to formulate management plans for symptoms/conditions commonly encountered for patients seeking care in interventional radiology (PC#4).						
Student demonstrated basic clinical and technical skills common to interventional radiology including (PC#5):						
Demonstrating proper surgical scrub technique (PC-PLO5)						
Selecting appropriate medications						
Selecting appropriate medication dosages						
Prescribe medications.						
Additional Comments:						
Interpersonal and Communication Skills: This section evaluates the student's ability to demonstrate verbal and non-verbal communication skills needed to have respectful, compassionate, and effective conversations with patients, patients' families, and health professionals to exchange information and make medical decisions.						
	60%	70%	80%	90%	100%	N/A

	(Failing)	(D+/ C-)	(C+/ B)	(B+/ A-)	(A)	
Student documented information clearly and appropriately for patient encounters (ICS#2).						
Student listened empathetically and effectively to patients seeking care in interventional radiology (ICS#1)						
Student communicated information clearly in interventional radiology (ICS#3)						
Student utilized shared decision making for patients seeking care in interventional radiology (ICS#5)						
Student provided patient education and counseling for patients seeking care in interventional radiology (ICS#5)						
Student facilitated difficult health care conversations in interventional radiology (ICS#4):						
Additional Comments:						
Professionalism: This section evaluates the student’s ability to demonstrate commitment to carrying out professional responsibilities and adhering to ethical principles and practices in interventional radiology.						
	60%	70%	80%	90%	100%	N/A
	(Failing)	(D+/ C-)	(C+/ B)	(B+/ A-)	(A)	
Student demonstrated compassion, integrity, and respect to patients seeking care in interventional radiology (P#1)						
Student demonstrated patient responsiveness while providing care to patients in interventional radiology (P#2)						

Student showed accountability while providing care to patients in interventional radiology (P#3)						
Additional Comments:						
Practice-Based Learning and Proficiency Improvement: This section evaluates the student's ability to acquire, appraise, and apply evidence-based medicine to patient care and accurately assess and improve clinical performance based on constant self-evaluation and lifelong learning						
	60%	70%	80%	90%	100%	N/A
	(Failing)	(D+/ C-)	(C+/ B)	(B+/ A-)	(A)	
Student sought, implemented, and accepted feedback related to undeserved medicine (PBLPI#1)						
Student reflected on their performance to identify strengths and deficiencies in their knowledge and expertise and develop a plan for self-improvement related to interventional radiology (PBLPI#2)						
Student located, appraised, and integrated evidence-based studies related to interventional radiology (PBLPI#3)						
Additional Comments:						
Systems-Based Practice: This section evaluates the student's ability to engage with other healthcare professionals in a manner that optimizes care within the context of the larger healthcare system.						
	60%	70%	80%	90%	100%	N/A
	(Failing)	(D+/ C-)	(C+/ B)	(B+/ A-)	(A)	
Student promoted a safe environment for patients seeking care in an interventional radiology setting (SBP#1)						
Student demonstrated knowledge of quality improvement methodologies						

and metrics in an interventional radiology setting (SBP#2)						
Student recognized the unique roles of PAs and those of other healthcare professions in an interventional radiology setting (SBP#3)						
Student worked effectively with other health professionals to provide collaborative, patient-centered care in an interventional radiology setting (SBP#4)						
Student worked effectively in an interventional radiology setting (SBP#5)						
Student incorporated considerations of cost awareness and funding sources into patients seeking care in an interventional radiology setting (SBP#6)						
Student described basic health payment systems and practice models for an interventional radiology setting (SBP#7)						
Additional Comments:						
<p>Did the student have any absences during the rotation?</p> <p style="text-align: center;">Yes</p> <p style="text-align: center;">No</p> <p>If yes, please indicate dates and reason for absence:</p> <p>Please write a short note commenting on this student's particular strengths.</p> <p>Please write a short note commenting on this student's particular areas for improvement.</p> <p>Was this evaluation discussed with the student?</p>						



Yes

No

Additional comments

Preceptor Signature:

