

Interventional Radiology - Integrated Department of Radiology

SCOPE OF PRACTICE PGY-2 – PGY-6

PGY2

- Organize and review all general imaging studies under the supervision of attending physician
- Develop basic skills in plain film interpretation
- Develop technical skills necessary to perform and interpret fluoroscopic procedures under the supervision of attending physician
- Develop technical skills necessary to perform and interpret basic ultrasound examinations under the supervision of attending physician
- Assist in the performance of basic ultrasound guided interventional procedures
- Develop competency in the radiology information system, PACS, and voice recognition software to organize and complete work
- Evaluate examination requests for diagnostic studies and, with attending supervision, protocol examinations appropriately
- Dictate and sign off on reports for all studies reviewed or performed with attending physician in a timely fashion.
- Review radiologic examinations with appropriate clinicians, when necessary
- Develop competency in the principles of radiation physics, radiation biology, and quality assurance appropriate for the practice of radiology
- Participate in all teaching conferences, assisting in case conference presentations as requested by attending physicians
- Begin to appreciate the principles of evidence based medicine and life-long learning through participation in journal club activities, radiology grand rounds, and departmental QA initiatives
- Participate in the teaching of medical students during Gross Anatomy, 3rd year selective, and 4th year electives at the viewbox and with development of didactic conferences
- Assist in the performance of basic angiographic and interventional procedures. Participate in the IR consult service
- Develop competency in the principles of practice based learning and improvement by participation in departmental QA/QI initiatives.

PGY3

- Improve technical and interpretive skills for plain film, fluoroscopy, ultrasound, and CT
- Continue to develop technical and interpretive skills for mammography,

Updated on 11/01/2023

Page 1 of 7

Interventional Radiology - Integrated Department of Radiology

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- computed tomography, nuclear medicine, and magnetic resonance imaging
- Evaluate and protocol requests for all diagnostic examinations including fluoroscopy, ultrasound, computed tomography, nuclear medicine, mammography, PET/CT, and magnetic resonance imaging
- Organize, preview, and pre-dictate diagnostic examinations with attending physician
- Dictate accurate and concise reports for all studies reviewed and/or performed with an attending physician in a timely fashion
- Assist in the performance of basic angiographic and interventional procedures
- Obtain informed consent and perform appropriate pre- and post-procedural evaluations, with documentation in the chart, for patients undergoing interventional procedures
- Achieve a level of competency in the basic skills of plain film and head CT interpretation necessary for increasing independence in the practice of radiology under the supervision of an upper level resident and/or attending while on call
- Achieve a level of competency in the technical skills necessary to perform and interpret fluoroscopic procedures and ultrasound examinations under the supervision of an upper level resident and/or attending physician while on call
- Achieve competency in the principles of radiation physics, radiation biology, and quality assurance appropriate for the practice of radiology
- Participate in all teaching conferences, assisting in interdepartmental case conference presentations as requested by attending physicians
- Continue to develop competency in the principles of evidence-based medicine and life-long learning through participation in journal club, radiology grand rounds, and research projects
- Develop competency in the principles of practice-based learning and improvement by participation in departmental QA/QI initiatives
- Participate in the teaching of medical students during Gross Anatomy, 3rd year selective, and 4th year electives at the viewbox and with development of didactic conferences
- Assume more responsibility for consultation with clinical physicians

PGY4

- Continue to improve technical and interpretive skills for all types of diagnostic

Updated on 11/01/2023

Page 2 of 7

*For information regarding this scope of practice, please contact:
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Interventional Radiology - Integrated Department of Radiology

SCOPE OF PRACTICE PGY-2 – PGY-6

imaging examinations

- Assume greater responsibility for the organization and protocoling of the daily work
- In consultation with referring physicians and supervising attendings, assume greater responsibility for the direction of the imaging work-up of clinical problems
- Organize, preview, review and dictate diagnostic examinations with attending physician
- Perform increasingly complex angiographic and interventional techniques under the supervision of attending physicians, with documentation of pre- and post-procedural evaluations as well as procedure notes in the chart
- Assume responsibility for immediate supervision of lower level residents on MUH call service
- Participate in all teaching conferences, while assuming greater responsibility for interdepartmental conferences
- Continue to develop competency in the principles of evidence-based medicine and life-long learning through progressive leadership in journal club, involvement in research projects, and attendance at grand rounds and radiology research forum
- Develop competency in the principles of practice-based learning and improvement by participation in departmental QA/QI initiatives
- Participate in the teaching of medical students during Gross Anatomy, 3rd year selective, and 4th year electives at the view-box and with development of didactic conferences

PGY5

- Develop critical analysis during decision making process to deliver appropriate patient care
- Continue to refine technical and interpretive skills for all types of diagnostic and image guided interventional examinations
- Develop competency in Neuro-endovascular Surgery in managing acute stroke, including imaging interpretation, patient selection for invasive procedure and basic catheter skills
- Develop competency in managing critically-ill patients in the setting of a

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- Develop competency in systems-based practice by directing the work-up of clinical problems efficiently, economically, and expeditiously
- Supervise lower level residents during daily work routine, call, and conferences
- Act as a consultant to clinicians for radiologic interpretation and appropriate imaging evaluation
- Participate in all teaching conferences, while assuming greater responsibility for interdepartmental conferences
- Continue to develop competency in the principles of evidence-based medicine and life-long learning through progressive leadership in journal club, involvement in research projects, and participation in grand rounds and radiology research forum
- Develop competency in the principles of practice-based learning and improvement by participation in departmental QA/QI initiatives
- Participate in the teaching of medical students during Gross Anatomy, 3rd year selective, and 4th year electives at the view-box and with development of didactic conferences

PGY6

- Continue to refine technical and interpretive skills for all types of diagnostic and image guided interventional examinations/procedures, with increasing ability to perform independently.
- Continue to improve critical analysis during decision making process to deliver appropriate patient care
- Achieve level of competency in imaging interpretation and patient evaluation necessary the practice vascular and interventional radiology under the supervision of an attending physician while on call
- Master competency in systems-based practice by directing the work-up of clinical problems efficiently, economically, and expeditiously
- Supervise lower level residents during daily work routine, call, and conferences

Interventional Radiology - Integrated Department of Radiology

SCOPE OF PRACTICE PGY-2 – PGY-6

- Act as a consultant to clinicians for radiologic interpretation and appropriate imaging evaluation
- Participate in all teaching conferences, while assuming greater responsibility for interdepartmental conferences
- Continue to develop competency in the principles of evidence-based medicine and life-long learning through progressive leadership in journal club, involvement in research projects, and participation in grand rounds and radiology research forum
- Develop competency in the principles of practice-based learning and improvement by participation in departmental QA/QI initiatives
- Participate in the teaching of medical students during Gross Anatomy, 3rd year selective, and 4th year electives at the view-box and with development of didactic conferences

Interventional Radiology - Integrated Department of Radiology

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Chief Administrative Residents

In addition to those privileges outlined in the PGY-5 and PGY-6 years, the chief administrative residents will:

- Represent the residents at faculty meetings, designated departmental committee meetings, and College of Medicine meetings
- Develop competency in the day-to-day administration of a medical residency program, thereby assisting program directors and residency coordinator through
 - Communication of problems and potential solutions to residents and administration
 - Preparation of the monthly rotation coverage and enter into Simon.
 - Management of resident sick leave and vacation requests
 - Manage sick calls.
 - Make yearly schedule for 1st years weekend coverage, Friday R3 contrast coverage, journal club, Rad Path (provide copies to Tina when complete)
 - Serve as resident representative on department committees such as compliance and contrast
 - Participate actively in resident recruitment. Serve as resident representative on the resident selection committee, give tours and attend pre-interview dinners
 - Provide transportation and be available to assist with visiting professors.
 - Attend monthly faculty meetings, monthly GME chief resident meetings, monthly meetings with program director and monthly QA meetings
 - Consistent communication with residents regarding important information/events and national institutional and departmental level.
 - Update 1st year resident survival guide annually
 - Continuously work with Tina, Angie and Drs. Yamada and Lewis to improve the resident website.
 - Help insure residents' adherence to all program policies
 - Attend AUR annual meeting and MUSC chief resident workshop
 - Maintain confidentiality

Interventional Radiology - Integrated Department of Radiology

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- Chief should strive to be consistent on all issues. Communication between chief and w/ program director is essential.
- Follow the policies set forth in the resident handbook. Be consistent and fair.
- Serve as role model for fellow residents
- Have fun!