

INTERVENTIONAL RADIOLOGY-INTEGRATED SCOPE OF PRACTICE PGY-2 – PGY-6

PGY-2

- Organize and review all general imaging studies under the supervision of an attending physician.
- Develop basic skills in plain film interpretation.
- Develop technical skills necessary to perform and interpret fluoroscopic procedures under the supervision of an attending physician.
- Develop technical skills necessary to perform and interpret basic ultrasound examinations under the supervision of an 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.

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- Participate in the teaching of medical students during Gross Anatomy, 3rd year selective, and 4th year electives at the workstation 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.

PGY-3

- Improve technical and interpretive skills for plain film, fluoroscopy, ultrasound, and CT.
- Continue to develop technical and interpretive skills for mammography, 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 an 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. Participate in the IR consult service.
- 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.

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- 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 workstation and with development of didactic conferences.
- Assume more responsibility for consultation with referring physicians.

PGY-4

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

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- Assume responsibility for immediate supervision of lower level residents on night float 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 workstation and with development of didactic conferences.

PGY-5 and above Resident Physicians

- Complete refinement of technical and interpretive skills for all types of diagnostic and image guided interventional examinations.
- 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.

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- 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 workstation and with development of didactic conferences.

Chief Administrative Residents

In addition to those privileges outlined in the PGY-4 and PGY-5 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
 - Preparation of the on-call schedules
 - Management of resident sick leave and vacation requests
 - Performance of any additional administrative duties at the request of the program directors

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- Develop and refine interpretive skills related to diagnostic vascular and nonvascular radiological imaging.
- Develop and refine technical performance of vascular and nonvascular interventional radiology procedures.
- Continually improve the efficiency in the assessment of clinical problems, and understand the risks and benefits of minimally invasive procedures as a possible cost effective solution.
- Assist in the supervision of lower level residents on their Vascular and Interventional Radiology rotation in daily work, during call, and in conferences.
- Consult with clinicians, surgeons, residents, and medical students with regards to choosing correctly indicated diagnostic and interventional studies, in order to provide support for their services and patients.
- Participate in radiology and interdepartmental conferences, providing assessment, consultation, and support in matters related to vascular and interventional radiology.
- Participate in the instruction of medical students taking the Vascular and Interventional Radiology elective as well as students visiting from other services.
- Participate in quality control of procedures and services.
- Develop and refine skills in the assessment of patients requiring diagnostic and interventional procedures.
- Participate in the preprocedural preparation and postprocedural care of patients undergoing diagnostic and interventional examinations under the supervision of attending physicians.
- Consult with clinicians, surgeons, residents, and medical students with regard to the follow up care of patients having undergone diagnostic and interventional procedures.

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- Participate in research projects within the division of Vascular and Interventional Radiology.
- Develop an understanding of moderate sedation as outlined by the Department of Anesthesia so it can be administered to patients in a safe manner.