



Job Code: 9347
Grade: FE
HCWR: N

Job Title
Cardiac Catheterization Nurse

Department
Medicine/Cardiology

Job Summary

The Cardiac Catheterization Nurse functions independently as a member of the Cardiac Catheterization and Electrophysiology Laboratory care team that includes registered nurses, cardiovascular technologists, advanced practice providers, cardiology fellows, and attending cardiologists. This individual is responsible for helping to develop and implement systems to assure the smooth, efficient flow of patients and safe high-quality of care in the Electrophysiology (EP) and Cardiac Catheterization (Cath) Laboratories. Duties include, but are not limited, to pre- and post-procedure patient assessment, administration of medications, moderate sedation, hemodynamic monitoring, circulating, and scrubbing during Cath/EP procedures and other procedures scheduled in the invasive procedure laboratories. This position will also assist in patient and family education and post-procedure follow-up visits. This individual should demonstrate clinical expertise in providing full spectrum of care before, during, and after invasive diagnostic, interventional, structural, vascular, electrophysiology, and device implantation procedures. This position requires the individual to be flexible in their work schedule

Typical Duties

- Under limited supervision provides a broad range of patient care for procedures performed in the Cardiac Cath and EP Labs. This includes, but not limited to: diagnostic and interventional cardiac and vascular procedures, electronic device implantation/revisions/explant, transesophageal echocardiography, and structural heart disease procedures.
- Systematically and continuously collects, assesses and documents data in collaboration with the multidisciplinary team to provide comprehensive care for patients and families. Documentation of patient assessment and medical care will require basic computer skills to complete electronic medical record.
- Assists the physician in the performance of cardiac procedures in the Cath/EP Lab. . Initiates or participates in cardiopulmonary resuscitation.
- Demonstrates leadership/management ability in the absence of the charge nurse.
- Delegates duties to professional and support personnel in absence of the charge nurse.
- Applies principles of infection control and safety.
- Promotes teamwork throughout the department.
- Ensures implementation of the nursing plan of care and appropriate documentation.
- Assesses psychosocial and physical status of patients presenting for these procedures.
- Documents and obtains accurate patient information for national registries including but not limited to ACC/NCDR and AHA registries.
- Performs an in-depth cardiovascular and sedation assessment in accordance with current CCH policies. Maintains a consistent level of moderate sedation during procedures.
- Assures that informed consent has been obtained on the patient and that all questions and concerns have been answered to the patient's satisfaction.
- Assures the performance of universal time-out before every procedure in the presence of the entire team, in accordance with hospital and laboratory policies and procedures.



Typical Duties

- Assists in the checking of daily quality controls for a wide range of equipment utilized in the Cardiac Cath and EP Lab, such as medication refrigerator, crash cart, point-of-care testing devices, etc.
- Develops/integrates standards of care for patients presenting to the lab. Implements safe, competent and efficient care to patients within CCH and departmental policies, procedures and standards.
- Foresees potential problems, adapts priorities and plans independently within the scope of the nursing license and core competencies.
- Actively participates in staff-development activities and competencies as required.
- Understands of radiological safety, techniques and X-ray equipment.
- Understands the analysis, recording, and intervention equipment utilized in Cardiac Cath procedures. Participates in entering patient data into the Cath/EP database, as required.
- Performs post-procedure visits or wellness checks, such as wound or site check and post-procedures wellness phone/video call.
- Assists with pre-procedure workup, clinic support, telephone triage, patient transfer, and coordination of care with the Heart team, inpatient units/wards, and other institutions.
- Serves as a role model and a resource for both internal and external customers regarding standards of care for this nursing practice.
- Takes responsibility for pre, intra and postprocedural care of diagnostic, therapeutic, and interventional procedures performed in the Cath Lab.
- Participates in scrubbing, pre-, intra-, and post procedural care of EP procedures within the scope of experience and core competencies.
- Transport patients within the department and to and from recovery area, critical care units, or operating room according to the clinical needs.
- Must be able to take call or stay after scheduled hours based on a rotational call schedule for Cath/EP Lab emergencies.
- Must be able to arrive to the cath lab within 30 minutes of an activation for cath lab emergencies, such as STEMI.
- identify and manage adverse events or unanticipated outcomes using critical thinking skills.
- Performs any assign duties within the training, experience, and core competencies of the Cath Lab nurse.

Minimum Qualifications

- Licensed as a Registered Professional Nurse in the State of Illinois
- Two (2) years of recent nursing experience in a Adult Critical Care Unit, or Emergency Department OR One (1) year of recent nursing experience in Cardiovascular Laboratory, Interventional Radiology, and/or Electrophysiology Laboratory
- Prior critical care experience with an emphasis on cardiology
- Prior experience using moderate or deep sedation
- Current experience and knowledge related to hemodynamic monitoring and titration of vasoactive medication infusions
- Current experience and knowledge of radiological safety, techniques and X-ray equipment and other analysis and recording equipment utilized in the Cardiac Catheterization Laboratory
- Must be able to respond to emergent calls in Cardiac Catheterization or Electrophysiology



Minimum Qualifications

and arriving to the cath lab suite within 30 minutes of an activation for cardiac emergencies

- Current Advanced Cardiovascular Life Support (ACLS) certification obtained through the American Heart Association
- Current Basic Life Support (BLS) certification obtained through the American Heart Association

Preferred Qualifications

- One (1) year Cardiac Catheterization Laboratory nursing experience
- Previous Nursing experience with an emphasis on cardiovascular patient care
- Certified Ambulatory Perianesthesia Nurse (CAPA)
- Certification in Critical Care Nursing (CCRN)
- Bilingual

Knowledge, Skills, Abilities and Other Characteristics

- Knowledge of using medical/surgical equipment
- Knowledge and understanding the analysis, recording, and other equipment utilized in various procedures performed in the lab
- Knowledge of cardiovascular medications, pressors and anti-arrhythmic agents including dosing, side effects, and drug interactions. Able to identify and manage adverse events or unanticipated outcomes using critical thinking skills
- Knowledge of the current requirements of accrediting and regulatory agencies
- Demonstrates working knowledge of the current requirements of accrediting and regulatory agencies
- Demonstrates knowledge of cardiovascular and anti-arrhythmic medications including dosing, side effects, and drug interactions Demonstrates knowledge in the current use of all forms and reports required in the day-to-day operation of the unit
- Knowledge of and rationale for the safe use of equipment
- Excellent verbal and written communication skills necessary to communicate with all levels of staff and a patient population composed of diverse cultures and age groups
- Emergency response skills
- Demonstrates responsibility and accountability for professional practice, growth, and development
- Demonstrates ability to self-direct and to organize and prioritize various tasks as necessary
- Demonstrates a basic understanding of radiological safety and X-ray equipment
- Demonstrates technical skills, trouble shooting skills, and expert knowledge of catheters and equipment used during EP and Cardiac procedures
- Demonstrates an in-depth knowledge and skill of the moderate sedation
- Accurate mathematical skills to calculate medications levels using weight, age, etc.
- Ability to self-direct
- Ability to apply the nursing process and utilize technical skills for patient care delivery
- Ability to make decisions under pressure
- Ability to see clearly, with or without visual correction



Knowledge, Skills, Abilities and Other Characteristics

- Ability to hear clearly
- Ability to distinguish regular/high pitched sounds; discriminate source of sound
- Ability to demonstrate rapid physical/mental coordination
- Ability to use both legs, hands, and fingers
- Ability to stand and ambulate for extended period of time
- Ability to organize varied workload
- Demonstrates attention to detail, accuracy and precision
- Demonstrates an ability to effectively utilize the nursing process as a basis for delivery of patient care
- Demonstrates responsibility for professional growth and development in maintaining competency in nursing practice

Physical and Environmental Demands

This position is functioning within a healthcare environment. The incumbent is responsible for adherence to all hospital and department specific safety requirements. This includes but is not limited to the following policies and procedures: complying with Personal Protective Equipment requirements, hand washing and sanitizing practices, complying with department specific engineering and work practice controls and any other work area safety precautions as specified by hospital wide policy and departmental procedures.

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of the personnel so classified.

For purposes of the American with Disabilities Act, “Typical Duties” are essential job functions.