

UW HEALTH JOB DESCRIPTION

Cardiovascular Technologist- Senior

Job Code: 510002	FLSA Status: Non-Exempt	Mgt. Approval: H. Studier	Date: March 2024
Department: Cardiovascular Lab		HR. Approval: D. Ripp	Date: March 2024

JOB SUMMARY

The Senior Cardiovascular Technologist (CVT) functions independently as a member of the Heart & Vascular Care Procedure Center patient care team that includes registered nurses, cardiovascular technologists, nurse practitioners, physician assistants, cardiology fellows and faculty physicians. In addition to performing the most complex cardiovascular procedures, this position acts as the principal CVT overseeing the technical operations required for the performance of routine and advanced cardiovascular procedures. This individual is responsible for coordinating work assignments including on call schedule; reviews and updates procedure manuals and protocols; assists in staff education, maintaining competencies and training; performs proficiency testing; ensures daily quality controls and testing for all equipment; provides input to Invasive Cardiology Supervisor and Manager regarding hiring and annual performance appraisals for CVT objective staff; and assists in coordination of research and quality improvement projects in the department. The Senior CVT develops and implements systems to assure the smooth and efficient flow of patients for procedures in the Cardiovascular (CV) Laboratory. Duties for this Senior CVT position include all of the objective CVT duties but are not limited to: hemodynamic monitoring, circulating and scrubbing roles during Invasive Cardiovascular, Cardiac Device Implantable procedures, basic electrophysiology and other procedures scheduled in our Heart & Vascular Procedure Center. This position also includes patient teaching, assisting with pre and post patient assessment and patient care within scope of practice. This individual is able to demonstrate clinical and technical expertise in working with cardiovascular patients during invasive diagnostic and interventional angiographic procedures.

This position requires the individual to be flexible in their work schedule. This individual is considered an expert level CVT, has ACLS, BLS and RCIS certification. The ability to direct others and to organize a varied workload is required. This incumbent demonstrates competency in assisting with Cardiovascular procedures from newborn thru geriatric patient population. This position reports directly to the Invasive Cardiology Manager. This individual's annual performance is jointly evaluated with input from the Medical Director of the Cardiovascular Labs and Invasive Cardiology Supervisor.

MAJOR RESPONSIBILITIES

A. Leadership and Staff Education

1. In conjunction with the Invasive Cardiology Supervisor, Manager, Medical Directors and HVT Director, supports development and achievement of organizational goals and objectives.
2. Works to identify and solve operational problems, reduce costs, improve efficiency and continually improve overall operation of the Heart & Vascular Care Procedure Center.
3. Assists with On Call and Late CVT schedules for CVT staff including weekdays, weekends and holiday rotation in collaboration with Invasive Cardiology Supervisor. Submits weekly/monthly on call schedule to paging department.
4. Collaborates with the Inventory Coordinator to maintain and control the supply and equipment inventory par levels and expense for the department.
5. Reviews, edits, corrects and validates Daily Activity Journal (DAJ) to ensure accurate patient procedure and supply charge entry for Electrophysiology (EP) and Cardiovascular patient procedure hospital billing on a daily basis.
6. Provides back up support for patient procedure and supply charge billing entry into Health Link for EP and Cardiovascular patient procedures when department assistants are unavailable.
7. Promotes and models appropriate open and effective communication among staff, patients and providers.
8. Maintains constructive, positive working relationships with other IP units and support staff.
9. Shares responsibility for ensuring a safe and therapeutic environment for patients, families, visitors and staff.
10. Assists with planning to modify policies, procedures, staffing and expenses as required by new administrative strategies, CMS and TJC regulations and conditions of coverage or as reimbursement changes dictate.
11. Works to identify cost effective alternatives for staffing, equipment and supplies while maintaining high level quality of care.
12. Collaboration with Invasive Cardiology Supervisor, Manager, CNS, Nurse Educator and Medical Directors in planning, guiding, and evaluating technical staff's clinical skills and competency.
13. Serves as a clinical and technical expert resource to all staff, fellows and physicians as appropriate.
14. Precepts newly hired CVT associate and objective level staff. In conjunction with the Invasive Cardiology Supervisor and Manager ensures new CVT receives adequate and appropriate training, education, and clinical support during orientation.
15. Precept and train all staff, including fellows to the scrub role. Assists with cross training nursing staff to the monitoring role.
16. Communicates and interacts with all staff, internal and external customers in a professional manner.
17. Creates and promotes a healthy positive work environment.

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18. Participates in the process to ensure established CVT staff perform annual competencies, complete required testing and have access to appropriate continuing education opportunities.
19. Provide educational training and review sessions to prepare CVT and nursing staff for the RCIS examination and certification.
20. Serves as a role model to all personnel by demonstrating a high level of expertise with Cardiovascular systems, including trouble-shooting skills, effective interactions with patients & staff, leadership ability and professional behavior.
21. Provides feedback on staff members as requested by Supervisor and Manager for annual performance evaluation process.
22. Participates in activities supporting the advancement of clinical practice through best practice literature, professional organizations, research and hospital committees and councils.

B. Direct Patient Care and Clinical Skills

1. Implements safe, competent and efficient procedure care to Cardiovascular patients within policies, procedures and standards of care across a variety of populations and complexity of situations within the scope of practice.
2. Demonstrates expertise in CVT technical skills, image acquisition, transferring and archiving of images, trouble shooting skills and expert knowledge of catheters and equipment used during Cardiovascular procedures.
3. Participates in Radiation Safety committee with Invasive Cardiology Manager, Medical Physicists and Risk Management.
4. Responsible for initiating and monitoring all department staff, fellows, physicians and mid levels monthly radiation exposure information and badges in conjunction with the UWHC Radiation Safety Officer.
5. Oversees and actively participates in annual CV skills, ECG competency and unit competencies for HVC Procedure Center staff.
6. Demonstrates an expert knowledge of radiological equipment & safety, shielding techniques, expert imaging skills and X-Ray equipment trouble-shooting skills, analyzing and recording equipment and other equipment utilized in the Heart & Vascular Care Procedure Center.
7. Duties for this position include but are not limited to hemodynamic monitoring of patients during Cardiovascular procedures and other procedures scheduled in F6/3 Heart & Vascular Care Procedure Center. Intra and post procedure patient assessment and patient care within CVT scope of practice, patient teaching, circulating and scrubbing roles for invasive procedures performed in our department.
8. Systematically and continuously collects, assesses and documents data in collaboration with the multidisciplinary team to provide procedural care for the patient. Documentation of chronological events of the procedure and medical care during the procedure will require basic computer skills to complete electronic medical record.
9. Performs at an expert clinical level and assists the physician in the performance of pediatric and adult Cardiovascular procedures; including both diagnostic and interventional.
10. Demonstrates an in-depth knowledge of the affects of moderate sedation process. Assists with patient monitoring of level of moderate sedation in conjunction with procedure performed and individual patient's clinical state. Initiates additional patient comfort measures/alternatives for sedation, as appropriate.
11. Assures that informed patient consent has been obtained and that all questions and concerns have been answered to the patient's satisfaction. Ensures Universal Protocol standards are followed and met for all invasive procedures.
12. Implements safe, competent and efficient care to patients within UWHC and departmental policies, procedures and standards across a variety of populations and complexity of situations.
13. Foresees potential problems, adapts priorities and plans independently with and without medical direction in response to general information/data indicative of potential urgent or emergent life-threatening risks, initiates action to reduce or correct the risk per ACLS guidelines.
14. Demonstrates knowledge of cardiovascular medications, pressors and anti-arrhythmic agents including dosing, side effects and drug interactions per ACLS guidelines. Able to identify adverse events or unanticipated outcomes using critical thinking skills and notifies the medical staff including nurses, fellows and physicians appropriately.
15. Provides direct patient care and serves as a role model and expert resource for both internal and external customers regarding standards of care for the Heart & Vascular Care Procedure patients which include but is not limited to adult and pediatric diagnostic and interventional cardiac procedures, adult peripheral vascular and nephrology diagnostic and interventional procedures.

C. Quality Care and Performance Improvement Initiatives (PDCA)

1. Supports medical and nursing management of patient-family centered care on a daily basis.
2. Supports patient advocacy, patient rights and responsibilities and service standards.
3. Assists our Data Coordinator with accurate data collection, documentation and data entry for national registries including but not limited to ACC/NCDR Cath PCI, CARE, ACTION, TAVI and other registries.

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4. Maintains documentation and records, staff competencies, monitors and performs all relevant technical quality indicators as required by TJC/CLIA standards and regulation for Point of Care Clinical Labs, i.e. hemochron.
5. Promotes a unit-based, multi-disciplinary quality improvement program that incorporates patient care standards and meets CMS and TJC regulations.
6. Collaborates with and contacts outside consultants as needed to ensure equipment functionality, maintenance and other services are performed on schedule.
7. Performs specialty equipment trouble-shooting, repair and maintenance as indicated or instructed by vendor or clinical engineering.
8. Analyzes and assists in resolving problems resulting in improvement of patient care, practice and system operations.
9. Initiates PDCA projects which improve clinical practice, patient outcomes and delivery of patient-family centered care in the Heart & Vascular Care Procedure Center.
10. Participates in and assists with cardiovascular clinical research programs within our department. Operates specialty equipment utilized in clinical research (i.e. NOGA system).
11. Actively participates in quality improvement projects (SPRINT and In-House STEMI) and community events promoting our Level 1 Heart Attack program, both locally and regionally.

D. Professional Development

1. Develops and plans individual own professional growth and development in relation to expectations for practice in our specialty area.
2. Attend continuing educational programs, in-services and conferences to maintain and advance expert skills and knowledge level.
3. Obtain and maintain RCIS certification.
4. Maintain current BLS and ACLS certification.
5. Participate in ongoing, unit-based quality improvement programs.
6. Continue to enhance all clinical skills and expertise.
7. Provide quarterly unit based in-services, educational programs and training opportunities for staff.
8. Active participate and member of HVC Procedure Center Unit Council.

Job descriptions represent a general outline of job duties, functions, and qualifications. They are not intended to be comprehensive in nature and other duties may be assigned as appropriate.

ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE STANDARDS.

JOB REQUIREMENTS

Education	Minimum	Associate degree
	Preferred	Bachelor's degree
Work Experience	Minimum	Five (5) years of Cardiovascular Technologist work experience in a Cardiovascular Laboratory
	Preferred	Ten (10) years or more years of progressively responsible experience in the Cardiovascular Lab
Licenses & Certifications	Minimum	<ul style="list-style-type: none"> • BLS certification • ACLS certification • RCIS, RCES, or CEPS certification within six months of hire date
	Preferred	<ul style="list-style-type: none"> • RCIS certification, RCIT certification
Required Skills, Knowledge, and Abilities		<ul style="list-style-type: none"> • Expert technical skills and in-depth clinical knowledge of Cardiovascular Lab procedures. • Ability to handle multiple tasks/projects and meets objectives and deadlines. • Effective oral and written professional communication skills. • Ability to demonstrate ethical and professional behaviors at all times. • Ability to maintain patient confidentiality and privacy. • Ability to use initiative and independent judgment. • Ability to educate, direct and lead others responsibly and effectively. • Excellent interpersonal skills with the ability to interact effectively with patients, families, healthcare professionals and external vendors. • Knowledge regarding quality improvement and standards of care within practice area.

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	<ul style="list-style-type: none"> • Capable of demonstrating flexibility with demands of external/internal customers placed on operating functions of the department. • Knowledge of departmental policies and procedures. • Basic computer skills required. • Capable of wearing lead aprons for extended periods of time. <p>Physical ability to lift and position patients and assist with patient transfers utilizing beds or stretchers.</p> <p>On Call Requirement</p> <ul style="list-style-type: none"> • Call response time of 30 minutes from pager activation to arrival, dressed in scrubs and reported to F6/3 HVC Procedure Center.
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AGE SPECIFIC COMPETENCY (Clinical jobs only)

Identify age-specific competencies for direct and indirect patient care providers who regularly assess, manage and treat patients.

Instructions: Indicate the age groups of patients served either by direct or indirect patient care by checking the appropriate boxes below. Next,

X	Infants (Birth – 11 months)	X	Adolescent (13 – 19 years)
X	Toddlers (1 – 3 years)	X	Young Adult (20 – 40 years)
X	Preschool (4 – 5 years)	X	Middle Adult (41 – 65 years)
X	School Age (6 – 12 years)	X	Older Adult (Over 65 years)

JOB FUNCTION

Review the employee's job description and identify each essential function that is performed differently based on the age group of the patient.

PHYSICAL REQUIREMENTS

Indicate the appropriate physical requirements of this job in the course of a shift. *Note: reasonable accommodations may be made available for individuals with disabilities to perform the essential functions of this position.*

Physical Demand Level	Occasional Up to 33% of the time	Frequent 34%-66% of the time	Constant 67%-100% of the time
Sedentary: Ability to lift up to 10 pounds maximum and occasionally lifting and/or carrying such articles as dockets, ledgers and small tools. Although a sedentary job is defined as one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.	Up to 10#	Negligible	Negligible
Light: Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	Up to 20#	Up to 10# or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	Negligible or constant push/pull of items of negligible weight
X Medium: Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	20-50#	10-25#	Negligible-10#
Heavy: Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	50-100#	25-50#	10-20#
Very Heavy: Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	Over 100#	Over 50#	Over 20#
List any other physical requirements or bona fide occupational qualifications:			

Work/Environmental: Moderate noise level consistent with an office environment