Division: CONTINENTAL

DHP Classification: CARDIOVASCULAR PERFUSIONIST

Name of Dependent Healthcare Professional (DHP):

Cardiovascular Perfusionist:
The Cardiovascular Perfusionist must have equivalent qualifications, competence and function in the same role as employed individuals performing the same or similar services at the facility, as defined by facility job description.

Definition of Care or Service:
The Cardiovascular Perfusionist performs those functions necessary for the support, treatment, measurement or supplementation of the cardiopulmonary and circulatory system of a patient. Scope of Service may include:

- Set up and operation of heart/lung machine
- Set up and operation of autotransfusion device
- Myocardial preservation/protection
- Anti-coagulation and hematologic monitoring/analysis/intervention
- Blood gas and blood chemistry monitoring/analysis/intervention
- Induction of hypothermia/hyperthermia with reversal; Thermal regulation; therapeutic hypothermia/hyperthermia; hemogetic lavage
- Hemodilution
- Hemofiltration (i.e., Aquapheresis)
- Administration of pharmaceuticals, blood components and anesthetic agents via the extracorporeal circuit as directed by physician
- Intra-Aortic Balloon Counterpulsation (IABP)/External counterpulsation
- Extracorporeal membrane oxygenation procedures (ECMO)
- Circulatory support/ventricular assistance/device management
- Documentation in patient medical record associated with described duties
- Isolated limb/organ perfusion/organ delivery of chemotherapeutics, progenitor cells, gene therapy vectors, etc.
- Physiological monitoring/analysis/intervention
- Organ preservation/procurement
- Hemoconcentration
- Cardiopulmonary bypass
- Extracorporeal Circulation/Cardiopulmonary/Resuscitation Support
- Blood conservation techniques/auto-transfusion
- Heart Failure Therapy and Support
- Transportation of Extracorporeal Supported Patients if accompanied by a physician
- Periodic flow augmentation therapy
- Blood Management
- Non-Differentiated Progenitor Cell Harvest
- Acute Normovolemic Hemodilution
- Hemostasis monitoring and analysis
- EKG monitoring in the OR
- Intravascular membrane oxygenation
- Permission to accept verbal orders
- Maintenance of equipment logs
- Specific treatment modalities:
  - Participation in delivery of autologous platelet gel
  - Participation in conducting research studies
  - Prepare heart-lung machine during resuscitations

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# Division Scope of Service

- Coordination of care with other disciplines
- Maintains and secures patient data and records
- Documents the procedure in the medical record
- Demonstrates Clinical and Service excellence behaviors to include code of HCA conduct core fundamentals in daily interactions with patients, families, co-workers and physicians.

## Setting(s):
Hospitals: Surgical Services; Cardiac Catheterization Laboratory; Intensive Care or Cardiovascular Intensive Care Units, or any other area of the hospital requiring emergent bypass intervention

## Supervision:
- Direct supervision by physician performing the specific procedure
  - Indirect supervision by department director, site manager or designee
- Supervision is defined by any limitations in practice that may be addressed by state law

## Evaluator:
Department director or designee in conjunction with supervising physician

## Qualifications:
- Graduate of an accredited cardiovascular perfusion education program or received training prior to 4/15/81.
- Admissible for certification or certified by the American Board of Cardiovascular Perfusion (ABCP) within three years of completing training
- New Perfusionist or experienced Perfusionist who wish to specialize in pediatric patients will work with a Chief Perfusionist (whether employed or contracted) until the Chief Perfusionist deems the Perfusionist to be competent (within input from surgeons).
- American Heart Association health care provider BLS Certification

## Experience:
At least 1 yr as Certified Cardiovascular Perfusionist

## Competencies:
The Cardiovascular Perfusionist will demonstrate:
- Safe and effective operation of cardiac perfusion equipment
  - Maintains equipment in good working order
  - Informs Biomed of maintenance that needs to be performed on equipment
  - Demonstrates effective infection control practices related to equipment operation
- Accurate patient information review
  - Uses at least two ways to identify patients before treating or performing a procedure
  - Verifies that the requested procedure correlates with the patient’s clinical history, presentation and physician order
  - Participates in the preprocedure process to verify the correct procedure, for the correct patient, at the correct site and involves the patient in the verification process when possible
  - Participates in a time-out immediately before the start of an invasive procedure or making of the incision.
  - Accesses the patient medical record appropriately
  - Documents in the medical record according to the facility standard / policy
- Maintains a safe environment
  - Labels containers used for blood and specimens in the presence of the patient
  - Labels all medications and solutions on and off the sterile field in perioperative and procedural settings
- Infection Prevention
  - Practices consistent hand hygiene
  - Uses personal protective equipment (PPE)
# DIVISION SCOPE OF SERVICE

- Required immunizations per DHP Division requirements
- Complies with Isolation precautions

**References:**


**DHP Printed Name:** _______________________  **DHP Signature:** _________________________

**Company/ Vendor:** _______________________________  **Date:** ______________________