STANDARDIZED PROCEDURE
CANNULATION/BYPASS

These procedures are intended to describe procedures performed by Nurse Practitioners and/or Certified Nurse Midwives (depending on the clinical privileges granted to the individual practitioner) at UC San Diego Health.

Policy

Function: To assist in Cardio Pulmonary Bypass Cannulation

Circumstances:

Setting: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedure

Supervision: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedure

Patient Conditions/Indications for Cardio-Pulmonary Bypass/Cannulation:

Cardiothoracic Surgery on Cardio-Pulmonary Bypass per Attending Physician decision

Protocol

Definition: Cardio-Pulmonary Bypass/Cannulation for the above condition

Objective: See section I-b-iii for indications for cannulation/bypass

Assessment: Patient which meets criteria outlined above as per Attending Cardiothoracic Surgery

Plan:

Equipment Necessary includes but is not limited to:

- Hands/Instrumentation as per Surgeon
- Tourniquets for cannulation sutures
- Sterile Environment (Scrubbed into Surgical Environment)
- Pump Lines provided by Perfusionist

Pre-Procedure

- Education provided during Pre-Operative period (See Pre-Operative Standardized Procedure)
- Consent signed Pre-Operatively for procedures performed in the Operating Room

Patient Position

As per Surgeon

Cannulation/Bypass Procedure

- Retract the heart and other vessels, utilizing hands or instrumentation for placement of the cannulation sutures as directed by Surgeon. (Also see Intra-operative Retraction Standardized Procedure)
- Place and secure the tourniquets on the cannulation sutures, as directed by the Surgeon
- Assist with placement and securing of cannulas in the vessels of the heart and/or femoral vessels.
- Tie knots to avoid slippage, as directed by the Surgeon.
- Connect cannulas to pump lines and secure the pump lines to the drapes as directed by the Surgeon
- Assist the Surgeon in placing the patient on the Cardio-Pulmonary Bypass machine
- **Patient conditions requiring Immediate Physician Attention (Complications) including but not limited to:**
    - Hemorrhage
    - Technical-Slipped stitches, loosening of knots
    - Tissue Damage
    - Cardiac Arrest- Emergency Protocols and ACLS will be instituted

Follow Up:

Continued evaluation and treatment provided throughout peri-operative course

Record Keeping: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedures

Requirements for the Nurse Practitioner

Education and Training: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedures

Evaluation: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedure

RESPONSIBILITY

Please contact the Advanced Practice Council if you need help. The administrative assistant for the Chief Nursing Officer can direct you. Call; 619-543-3438

HISTORY OF POLICY

Revised by the Committee of Interdisciplinary Practices: 2/26/2014, 9/28/2016
Reviewed by the Medical Staff Credentials Committee: 3/5/2014, 10/6/2016
Approved by the Medical Staff Executive Committee: 3/20/2014, 10/7/2016