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.

I. Policy  
a. Function: To assist in Cardio Pulmonary Bypass Cannulation  
b. Circumstances:  
  i. Setting: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedure  
  ii. Supervision: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedure  
  iii. Patient Conditions/Indications for Cardio-Pulmonary Bypass/Cannulation:  
     1. Cardiothoracic Surgery on Cardio-Pulmonary Bypass per Attending Physician decision

II. Protocol  
a. Definition: Cardio-Pulmonary Bypass/Cannulation for the above condition  
b. Objective: See section I-b-iii for indications for cannulation/bypass  
c. Assessment: Patient which meets criteria outlined above as per Attending Cardiothoracic Surgery  
d. Plan:  
  i. Equipment Necessary includes but is not limited to:  
     1. Hands/Instrumentation as per Surgeon  
     2. Tourniquets for cannulation sutures  
     3. Sterile Environment (Scrubbed into Surgical Environment)  
     4. Pump Lines provided by Perfusionist  
  ii. Pre-Procedure  
     1. Education provided during Pre-Operative period (See Pre-Operative Standardized Procedure)  
     2. Consent signed Pre-Operatively for procedures performed in the Operating Room  
  iii. Patient Position  
     1. As per Surgeon  
  iv. Cannulation/Bypass Procedure  
     1. 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)  
     2. Place and secure the tourniquets on the cannulation sutures, as directed by the Surgeon
3. Assist with placement and securing of cannulas in the vessels of the heart and/or femoral vessels.
4. Tie knots to avoid slippage, as directed by the Surgeon.
5. Connect cannulas to pump lines and secure the pump lines to the drapes as directed by the Surgeon.
6. Assist the Surgeon in placing the patient on the Cardio-Pulmonary Bypass machine.

v. Patient conditions requiring Immediate Physician Attention (Complications) including but not limited to:
1. Hemorrhage
2. Technical-Slipped stitches, loosening of knots
3. Tissue Damage
4. Cardiac Arrest- Emergency Protocols and ACLS will be instituted

vi. Follow Up:
1. Continued evaluation and treatment provided throughout peri-operative course

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

III. Requirements for the Nurse Practitioner


VII. 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

VIII. 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