STANDARDIZED PROCEUDRE
CORONARY ARTERY ANASTOMOSIS

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 the Surgeon in coronary artery anastomosis during Coronary Artery Bypass Grafting (CABG)

a. 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 Coronary Artery Anastomosis:

- Patients undergoing CABG as determined by Surgeon

Protocol

a. Definition: Coronary Artery Anastomosis for CABG
b. Objective: To assist the Surgeon in performing coronary artery anastomosis during CABG
c. Assessment: Patient which meets coronary artery anastomosis as outlined in section I-b-iii above as determined by the Surgeon
d. Plan:

Equipment Necessary includes but is not limited to:

1. Sterile Environment (Scrubbed into the sterile OR environment)
2. Proper instrumentation as determined by the Surgeon for anastomosis (based on size/type of graft)
3. Suture as per Surgeon
4. Pump Sucker (from Cardio-Pulmonary Bypass machine if on bypass) Wall Sucker with Cell-Saver device if performed off bypass
5. Sodium Chloride Solution for irrigation
6. Vein/Artery Graft of choice per Surgeon

Pre-Procedure

1. Education provided during Pre-Operative period (see Pre-Operative Evaluation Standardized Procedure)
2. Consent signed Pre-Operatively for procedures performed in the Operating Room

Patient Position

As per Surgeon

Coronary Artery Anastomosis Procedure

- Select the proper instruments for the anastomosis as directed by the Surgeon
- Retract the coronary artery, as directed by the Surgeon
- Maintain proper tension on the suture while following stitch as directed by Surgeon
- Tie knots to avoid slippage
- Maintain a field free of blood by suctioning, irrigating area, or blowing air on the anastomosis

Patient conditions requiring Immediate Physician Attention (Complications) including but not limited to:

a. Hemorrhage
b. Technical-Slipped stitches, loosening of knots
c. Cardiac Arrest-Emergency Protocols and ACLS will be instituted

Follow-Up:

1. Continued evaluation and treatment throughout peri-operative course

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

III. Requirements for the Nurse Practitioner

a. Education and Training: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedures
b. Evaluation: See Cardiothoracic Surgery Nurse Practitioner General Policy for Operative Procedures Standardized Procedures

IV. 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.

V. HISTORY OF PROCEDURE

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