

Cardiothoracic Surgery Service

Patient Care

Goals and Objectives

- 1) Participate in the care of immediate post-op CABG/valve patients in ICU.
- 2) Be able to obtain a focused history and physical examination on patients being admitted to the service for
 - a) elective or emergency operations
 - b) coronary artery disease
 - c) valvular heart disease
 - d) thoracic aortic disease (dissection/aneurysm)
- 3) Have a clear understanding of indications for and procedure of CABG surgery.
- 4) Perform complete physical exam with emphasis on heart and lungs.
- 5) Understand preliminary treatment plan for postop heart patients including:
 - a) Management of fluid electrolyte balance
 - b) Management of atrial fibrillation
 - c) Management of postoperative pain
 - d) Management of anticoagulation for prosthetic valves
 - e) Management of sternal wound infection

Responsibilities & expectations

- 1) Evaluate service and consult patients daily on rounds with the team to discuss status, formulate management plans and anticipate discharge planning
- 2) Review all patient imaging studies and reports with the team and a radiologist as appropriate, particularly studies performed at other facilities.
- 3) Use Apex for patient tracking and sign-out.
- 4) Promptly notify the service chief resident and/or attending of changes in patient status as directed by
 - a) any change in the level of care.
 - b) any drop in hematocrit >3 units
 - c) any patient with abnormally changed vital signs.

Medical knowledge

Goals & objectives

- 1) Understand and be able to state/describe:
 - a) Anatomy of the heart
 - b) Anatomy of the lung and trachea
 - c) Anatomy of the mediastinum

- d) Course and tributaries of thoracic aorta
- e) Anatomy, innervation, blood supply of esophagus
- 2) Etiology and Pathophysiology of the following disease processes:
 - a) Coronary artery disease
 - b) Valvular heart disease
 - c) Thoracic aortic dissection and aneurysm
- 3) Diagnosis, non-surgical and surgical treatment of
 - a) Coronary artery disease
 - b) Aortic stenosis, regurgitation
 - c) Mitral stenosis, regurgitation
 - d) Types A and B aortic dissection
 - e) Ascending, descending aortic aneurysm
 - f) Atrial fibrillation
 - g) Ventricular arrhythmias
- 4) Diagnosis and management of postoperative complications including:
 - a) mediastinal hemorrhage
 - b) cardiogenic shock
 - c) cardiac arrhythmias
 - d) heart block
 - e) atrial fibrillation
 - f) ventricular tachycardia
 - g) Sternal wound infection
- 5) Understand the goals of advanced cardiac therapies such as:
 - a) Extracorporeal life support (ECMO)
 - b) Temporary epidardial pacing
 - c) Intraaortic balloon counterpulsation

Technical skills

Goals & objectives

- 1) Competently remove central lines
- 2) Competently remove drains and chest tubes

Responsibilities & expectations

- 1) Notify service chief of any complications when removing CVC or drains

Practice-based learning and improvement

Goals & objectives

- 1) Analyze common complications related to CT surgery
- 2) Attend weekly service teaching conference
- 3) Attend service M and M.

Responsibilities & expectations

- 1) Meet with the NP fellowship at least once during rotation to review goals and objectives

Interpersonal & communication skills

Goals & objectives

- 1) Communicate effectively as a member of the multidisciplinary which rounds together
- 2) Communicate effectively with patients and families

Responsibilities & expectations

- 1) Establish appropriate role in the multidisciplinary team
- 2) Maintain appropriate lines of communication within the care team and across disciplines
- 3) Communicate with the service NPs, fellow, and attending of all changes in patients' status in a timely manner

Professionalism

Goals & objectives

- 1) Functions as a licensed independent practitioner.
- 2) Enhance the body of knowledge in advanced practice nursing through exchange of ideas and knowledge in professional organizations, conferences, research activities, and written publications

Responsibilities & expectations

- 1) Adhering to the UCSF Medical Center Mission
- 2) Demonstrate respect, compassion, and integrity
- 3) Provides patient centered care recognizing cultural diversity and the patient or designee as a full partner in decision making

Systems-based practice

Goals & objectives

- 1) Coordinate patient care including discharge and transfer within the health care system

Responsibilities & expectations

- 1) Become proficient in the process of patient transfer to a lower level of care
- 2) Become proficient in the management of a patient through the discharge process
 - a) appropriate documentation of care for the primary physician

- b) appropriate referral to local specialists for follow-up management of health issues that developed during the UCSF treatment
- 3) Practice cost effective, evidence based health care and resource allocation that does not compromise quality of care
- 4) Consider the cost of daily medical care and monitor the need for repetitive lab tests